

# Medworth Energy from Waste Combined Heat and Power Facility

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August 2022



## Environmental Permit Application Operational Noise Impact Assessment

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with energy.**




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## Report for

Tim Marks  
Head of Planning  
MVV Environment Ltd

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## Site Name and Location

Medworth EFW CHP Facility  
Algores Way  
Wisbech  
Cambridgeshire  
PE13 2TQ

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## Permit no.

EPR/VP3705BL/A001

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## Document revisions

No.	Details	Date
1	Issue	04/08/2022



# Synopsis

## Purpose of this report

This report presents the Operational Noise Impact Assessment (Operational NIA) that sets out the likely noise impact from the operation of the Energy from Waste (EfW) Combined Heat and Power (CHP) Facility at the nearest Receptors likely to be affected. This Operational NIA forms a standalone document, separate to the Environmental Impact Assessment (EIA) reported in the Environmental Statement (ES) and which accompanied the DCO Application, submitted to the Planning Inspectorate (PINS) on the 7 July 2022.

The sole purpose of this Operational NIA is to provide appropriate information to accompany the Environmental Permit (EP) Application. An EP will be required to operate the EfW CHP Facility in accordance with the Environmental Permitting (England and Wales) Regulations 2016 as amended (EPR).

This Operational NIA sets out the results of the baseline survey undertaken to determine representative baseline sound levels and sets out further work to be undertaken to ensure that potential noise impacts are suitably controlled in accordance with Best Available Techniques (BAT).

All personnel contributing to the Operational NIA were appropriately qualified and experienced.

## Summary of findings

The results of the Operational NIA indicate that, without additional mitigation, significant adverse impacts are likely at R2 (9 New Bridge Lane) and R3 (10 New Bridge Lane) during weekday daytimes, and adverse impacts are likely at R3 during weekend daytimes. Below adverse to low impacts are anticipated at all other receptor locations assessed at all times. The assessment of turbine bypass mode operations indicates identical impacts as in normal operation.

Currently unoccupied, the Applicant acquired R2 in July 2022 and, subject to receiving DCO Consent, will be removed from residential use. Consequently, there will be no residual impacts experienced at R2.

To avoid adverse impacts at R3 during both the construction and operation phases, an acoustic fence is proposed at the property boundary (external to the permitted installation boundary). The assessment indicates that, with the proposed acoustic fence, adverse impacts will be avoided. The provision of the acoustic fence, including detailed designs, will be secured through a DCO Requirement.

The assessment indicates that, with the proposed acoustic fence to 10 New Bridge Lane, residual impacts would be below adverse during normal and turbine bypass mode operation.



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# 1. Introduction

## Purpose of this report

- 1.1.1 The sole purpose of this Operational NIA is to provide appropriate information to accompany the Environmental Permit (EP) Application.
- 1.1.2 This report presents the Operational Noise Impact Assessment that sets out the likely noise impact from the operation phase of the EfW CHP Facility at the nearest Receptors likely to be affected. This Operational NIA forms a standalone document, separate to the Environmental Impact Assessment (EIA) reported in the Environmental Statement (ES)<sup>1</sup>.

## The structure of this report

- 1.1.3 This report has been produced with reference to the Environment Agency guidance<sup>2</sup> on structure and presentation of NIA reports. The report is structured in the following format:
- Section 1 Introduction: description of the EfW CHP Facility, the site and its surroundings, main operational processes, key operational information for the Operational NIA and an outline of previous studies undertaken;
  - Section 2 Assessment location: definition of Study Area, identification of receptors, monitoring locations and major noise sources;
  - Section 3 Equipment and meteorology: details of the equipment and software used in the monitoring and assessment, meteorological conditions during the monitoring period, protocols for data analysis and sound level prediction;
  - Section 4 Methodology: the assessment methodology, including relevant standards and guidance relied on;
  - Section 5 Noise monitoring data and predictions: noise survey results and predicted operational sound levels used in the assessment;
  - Section 6 Noise Impact Assessment: for the operation of the EfW CHP Facility, including start-up, maintenance, abnormal and emergency conditions;
  - Section 7 Noise control: the mitigation applied to control noise at sensitive Receptors;
  - Section 8 Uncertainty: consideration of uncertainty in the acoustics surveying, modelling and assessment;
  - Section 9 Conclusions and next steps; and
  - Section 10 References.

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<sup>1</sup> Medworth CHP Limited, 2022. Environmental Statement – PINS ref. EN010110, Volume 6.2

<sup>2</sup> Environment Agency, January 2022. Noise and vibration management: environmental permits. Available online: <https://www.gov.uk/government/publications/noise-and-vibration-management-environmental-permits/noise-and-vibration-management-environmental-permits#NIA-report> [Accessed 4th August 2022]



## 1.2 Background

- 1.2.1 Medworth CHP Limited (the Applicant) is applying to the Secretary of State for a Development Consent Order (DCO) to construct operate and maintain an Energy from Waste (EfW) Combined Heat and Power (CHP) Facility on the industrial estate, Algores Way, Wisbech, Cambridgeshire. Together with associated Grid Connection, CHP Connection, Water Connections, and Temporary Construction Compound (TCC), these works are the Proposed Development.
- 1.2.2 The Proposed Development would recover useful energy in the form of electricity and steam from over half a million tonnes of non-recyclable (residual), non-hazardous municipal, commercial and industrial waste each year. The Proposed Development has a generating capacity of over 50 megawatts and the electricity would be exported to the grid. The Proposed Development would also have the capability to export steam and electricity to users on the surrounding industrial estate.
- 1.2.3 The Proposed Development is a Nationally Significant Infrastructure Project (NSIP) under Part 3 Section 14 of the Planning Act 2008 (2008 Act) by virtue of the fact that the generating station is located in England and has a generating capacity of over 50 megawatts (section 15(2) of the 2008 Act). It, therefore, requires an application for a DCO to be submitted to the Planning Inspectorate (PINS) under the 2008 Act. PINS will examine the application for the Proposed Development and make a recommendation to the Secretary of State (SoS) for Business, Energy and Industrial Strategy (BEIS) to grant or refuse consent. On receipt of the report and recommendation from PINS, the SoS will then make the final decision on whether to grant the Medworth EfW CHP Facility DCO.
- 1.2.4 Separate to the DCO consenting process, an EP will be required to operate the regulated installation (the EfW CHP Facility) in accordance with the Environmental Permitting (England and Wales) Regulations 2016<sup>3</sup> as amended (EPR).

## 1.3 The Applicant and the project team

- 1.3.1 The Applicant is a wholly owned subsidiary of MVV Environment Limited (MVV). MVV is part of the MVV Energie AG group of companies. MVV Energie AG is one of Germany's leading energy companies, employing approx. 6,500 people with assets of around €5 billion and annual sales of around €4.1 billion. The Proposed Development represents an investment of approximately £350m.
- 1.3.2 The company has over 50-years' experience in constructing, operating, and maintaining EfW CHP facilities in Germany and the UK. MVV Energie's portfolio includes a 700,000 tonnes per annum residual EfW CHP facility in Mannheim, Germany.
- 1.3.3 MVV Energie has a growth strategy to be carbon neutral by 2040 and thereafter carbon negative, i.e., climate positive. Specifically, MVV Energie intends to:

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<sup>3</sup> HMSO, 2016. Environmental Permitting Regulations (as amended). [Accessed 12 April 2022].



- reduce its direct carbon dioxide (CO<sub>2</sub>) emissions by over 80% by 2030 compared to 2018;
- reduce its indirect CO<sub>2</sub> emissions by 82% compared to 2018;
- be climate neutral by 2040; and
- be climate positive from 2040.

1.3.4 MVV's UK business retains the overall group ethos of 'belonging' to the communities it serves whilst benefitting from over 50 years' experience gained by its German sister companies.

1.3.5 MVV's largest project in the UK is the Devonport EfW CHP Facility in Plymouth. Since 2015, this modern and efficient facility has been using around 265,000 tonnes of municipal, commercial and industrial residual waste per year to generate electricity and heat, notably for Her Majesty's Naval Base Devonport in Plymouth, and exporting electricity to the grid.

1.3.6 In Dundee, MVV has taken over the existing Baldovie EfW Facility and has developed a new, modern facility alongside the existing facility. Operating from 2021, it uses up to 220,000 tonnes of municipal, commercial and industrial waste each year as fuel for the generation of usable energy.

1.3.7 Biomass is another key focus of MVV's activities in the UK market. The biomass power plant at Ridham Dock, Kent, uses up to 195,000 tonnes of waste and non-recyclable wood per year to generate green electricity and is capable of exporting heat.

1.3.8 To prepare the ES for the Proposed Development, the Applicant has engaged Wood Group UK Limited (Wood). Wood is registered with the Institute of Environmental Management and Assessment (IEMA)'s Environmental Impact Assessment (EIA) Quality Mark scheme. The scheme allows organisations that lead the co-ordination of EIAs in the UK to make a commitment to excellence in their EIA activities and have this commitment independently reviewed.

1.3.9 All personnel contributing to the Operational NIA were appropriately qualified and experienced. **Annex A** presents statements of competence for all personnel who contributed.

## 1.4 The Proposed Development

1.4.1 The Proposed Development comprises the following key elements:

- The EfW CHP Facility;
- CHP Connection;
- Temporary Construction Compound (TCC);
- Access Improvements;
- Water Connections; and
- Grid Connection.



1.4.2

A summary description of each Proposed Development element is provided below.

- **EfW CHP Facility Site:** A site of approximately 5.3ha located south-west of Wisbech, located within the administrative areas of Fenland District Council and Cambridgeshire County Council. The main buildings of the EfW CHP Facility would be located in the area to the north of the Hundred of Wisbech Internal Drainage Board (HWIDB) drain bisecting the site and would house many development elements including the tipping hall, waste bunkers, boiler house, turbine hall, air cooled condenser, air pollution control building, chimneys and administration building. The gatehouse, weighbridges, 132kV switching compound and laydown maintenance area would be located in the southern section of the EfW CHP Facility Site.
- **CHP Connection:** The EfW CHP Facility would be designed to allow the export of steam and electricity from the facility to surrounding business users via dedicated pipelines and private wire cables located along the disused March to Wisbech railway. The pipeline and cables would be located on a raised, steel structure.
- **TCC:** Located adjacent to the EfW CHP Facility Site, the compound would be used to support the construction of the Proposed Development. The compound would be in place for the duration of construction.
- **Access Improvements:** includes access improvements on New Bridge Lane (road widening and site access) and Algores Way (relocation of site access 20m to the south).
- **Water Connections:** A new water main connecting the EfW CHP Facility into the local network will run underground from the EfW CHP Facility Site along New Bridge Lane before crossing underneath the A47 (open cut trenching or horizontal directional drilling (HDD)) to join an existing Anglian Water main. An additional foul sewer connection is required to an existing pumping station operated by Anglian Water located to the northeast of the Algores Way site entrance and into the EfW CHP Facility Site.
- **Grid Connection:** This comprises a 132kV electrical connection using underground cables. The Grid Connection route begins at the 132kV switching compound in the EfW CHP Facility Site and runs underneath New Bridge Lane, before heading north within the verge of the A47 to the Walsoken Substation on Broadend Road. From this point the cable would be connected underground to the Walsoken DNO Substation.

## 1.5 Description of EfW CHP Facility

### Site and surroundings

1.5.1

The EfW CHP Facility Site is located in the town of Wisbech within the administrative areas of Cambridgeshire County Council (CCC) and Fenland District Council (FDC).



- 1.5.2 The EfW CHP Facility Site forms part of a wider industrial estate centred on Algores Way. The location of the EfW CHP Facility is predominantly located on an area of land currently operated by Mick George Ltd as a waste and aggregates recycling facility and waste transfer station (WTS). The south-east section of the site is unoccupied scrubland owned by Fenland District Council. It is separated from the current WTS by an earth bund and trees.
- 1.5.3 Land to the north and east comprises industrial units and land to the south comprises vacant land. The EfW CHP Facility Site is bounded directly to the north by land occupied by BJ Books and Floorspan Contracts. To the east of the site's existing entrance, occupiers of the industrial units include James Mackle (UK) Ltd, Hair World UK Ltd and Lineage Logistics, which includes a cold store.
- 1.5.4 The southern end of the EfW CHP Facility Site is bounded by New Bridge Lane. This connects with Cromwell Road to the west which provides direct access to the A47 via a four-arm roundabout.
- 1.5.5 To the west, the EfW CHP Facility Site is bordered by scrubland and a mature strip of vegetation, comprising self-set trees and undergrowth. This land includes the disused March to Wisbech Railway, known locally as the 'Bramley Line'. West of the railway, the industrial estate extends for a further 300m until it reaches Cromwell Road, after which there is a retail park comprising a cinema, Tesco Extra superstore and restaurants. The retail park is bordered to the west by the River Nene, which is a Local Wildlife Site (LWS).
- 1.5.6 Approximately 200m and 500m, respectively, to the north-east of the site, and within Algores Way industrial estate, Cambian Wisbech School occupies a unit along Anglia Way, and TBAP Unity Academy occupies a unit on Algores Way. Other notable schools within the wider area, but outside of Algores Way industrial estate, include the Thomas Clarkson Academy, approximately 750m to the north-east off Weasenham Lane.
- 1.5.7 The closest residential properties to the site consist of isolated properties along New Bridge Lane. 9 and 10 New Bridge Lane are located approximately 30m to the west and south, respectively, of the installation boundary. 10 New Bridge Lane includes land currently used as a smallholding. One residential property known as 'Potty Plants', with associated farmland, is located approximately 300m to the south-east of the site along New Bridge Lane. 2 New Bridge Lane is located approximately 300m west along New Bridge Lane. Further afield, Oakdale Place Travellers Site and Caravan Site are located south-east of the intersection of New Bridge Lane and the A47, at 400m and 500m distance respectively. The main residential areas and town centre of Wisbech lie beyond the industrial estate more than 1km to the north and the east.
- 1.5.8 The Nene Washes Special Area of Conservation (SAC), Special Protection Area (SPA) and Ramsar site is situated approximately 6.3km to the south-west of the EfW CHP Facility Site, whilst the Ouse Washes SAC/SPA/Ramsar site is located approximately 12.3km to the south-east.
- 1.5.9 Further details, and mapping indicating the EfW CHP Facility Site and the nearest Receptors, are provided in **Section 2. Assessment location.**





## Description of main operational processes

- 1.5.10 A description of the main operational processes is provided below, followed by a summary which sets out key operational information in terms of shift patterns, different operating modes and activities undertaken during certain hours. Further information is provided in the EP Application **Supplementary Information Report**<sup>4</sup>.
- 1.5.11 Waste would be delivered to the EfW CHP Facility in covered or enclosed HGVs such as RCVs and walking floor articulated lorries. These vehicles would enter the enclosed tipping hall, reverse up to the bunker edge and tip the waste into the tipping bunker.
- 1.5.12 Mechanical cranes transfer waste from the tipping bunker to the main waste bunker. The waste would be mixed and stored in the main waste bunker waiting to be loaded into the furnace by a mechanical crane. The main waste bunker would be able to store up to 11.5-days' worth of waste.
- 1.5.13 Waste would be fed from the main waste bunker into the furnace using mechanical cranes. The combustion of the waste would take place on an inclined reciprocating grate. Waste would be fed via a waste feed hopper and a set of feed rams onto the grate. Primary combustion air would be drawn from above the waste bunker. Furnace temperatures will range from 850°C to 1,250°C.
- 1.5.14 Incinerator Bottom Ash (IBA) generated from combustion would drop off the end of the grate directly into a water bath equipped with a mechanical ash discharge conveyor. This would quench the hot ash and act as an air seal to prevent uncontrolled ingress of air into the primary combustion zone. The IBA, a non-hazardous waste, would then be conveyed to the IBA storage bunker before being taken away for recycling.
- 1.5.15 Air Pollution Control (APC) is carried out with a dry APC system using hydrated lime and activated carbon, which would be delivered in sealed bulk powder carriers that are pneumatically loaded and emptied. The treatment process would be adjusted to ensure that the emissions meet the strict emission limits set out in the EP. Finally, the treated flue gases would be discharged to the atmosphere, via the chimneys.
- 1.5.16 The filter bags in the bag filter houses act as a foundation for the formation of a filter cake, which protects the filter bags and serves as a reaction medium for both the acid gas neutralisation and the adsorption of heavy metals and organic compounds and provides particulate filtration.
- 1.5.17 The filter cake would be periodically removed from the bags by the automatic cleaning system, to control the filter cake build up and hence the pressure drop across the bags. The bags are cleaned in rows by reverse jet pulses from compressed air nozzles. The cleaning sequence is triggered automatically when a pre-set pressure drop across the bags has been reached.
- 1.5.18 The superheated steam from the boiler would be transferred by pipework to the steam turbine in the turbine hall. The expansion of the steam would deliver energy

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<sup>4</sup> Air Quality Consultants Ltd, August 2022. Supplementary Technical Information Report for Medwath CHP Ltd (Doc ref. 12417A-10-R02-01-F01).





in the form of shaft power which, in turn, would be used to drive an electrical generator (alternator).

- 1.5.19 The EfW CHP Facility would use a high efficiency, single shaft condensing steam turbine. The turbine would drive a water-cooled synchronous generator possibly via a reduction gearbox. The system would be complete with all necessary auxiliary water steam system equipment, valves, pipework and fittings. The turbine would be provided with oil systems for lubricating the turbine, reduction gearbox (if required) and generator main and subsidiary bearings and for the high-pressure hydraulic operation and servo control of the governing and emergency shut off valves. The oil systems would have main, secondary and emergency pumps and filtration and cooling systems as required.
- 1.5.20 The EfW CHP Facility would use a finned-tube Air Cooled Condenser (ACC) to condense the exhaust steam from the steam turbine. In the ACC, the steam would be condensed under vacuum to extract the maximum practical mechanical energy from the expansion in the steam turbine.

### Summary of key operational information

- 1.5.21 In general, except for start-up, emergencies or during maintenance, the EfW CHP Facility will operate continuously. Hours for the acceptance of waste (and delivery/export of APC reagents and IBA) would be limited to 07:00 to 20:00 hrs. There may be some occasions when waste deliveries are accepted outside the normal opening hours; for example, in the case of an emergency or to accommodate the delivery of waste where vehicles have been unavoidably delayed, or in other similar circumstances. On the waste acceptance side, there will be six Waste Acceptance Operatives and a Waste Acceptance Supervisor reporting to the Waste/Contract Manager.
- 1.5.22 Outside of the normal hours for waste deliveries, to ensure the EfW CHP Facility's continued operation, and for security purposes, a shift team would be present. A shift team of 18 skilled operators, working in shifts of three at a time, would cover the 24-hour operation of the power generation aspect. Timing of shift changes is not yet confirmed. In addition to the personnel supporting the waste acceptance and power generation functions there would be a number of management, administration, catering and cleaning staff who would typically be present at the site during normal working hours.
- 1.5.23 There may be temporary variations in operational noise emissions during start-up or maintenance conditions. Noise sources associated with start-up and maintenance conditions primarily consist of steam venting and increased noise from the exhaust steam ducting to the ACC when it is necessary to bypass the turbine. Steam vents will be fitted with silencers to reduce noise emissions when venting occurs.
- 1.5.24 In emergency conditions, the primary focus must be the health and safety of personnel at the EfW CHP Facility and avoiding damage to any operational plant, and in any case, this will be controlled and maintained in accordance with the EP.



## 1.6 Previous studies

### 2019 Baseline survey

- 1.6.1 Prior to undertaking the EIA, a program of short-term attended baseline sound level measurements was undertaken in November 2019 to quantify the baseline noise environment to guide the design of the EfW CHP Facility.
- 1.6.2 A series of short-term attended measurements were undertaken at locations selected to be representative of the nearest NSRs to the EfW CHP Facility. The monitoring was undertaken in accordance with BS 4142:2014+A1:2019 and BS 7445-1:2003. A summary of the monitoring methodology and monitoring results are provided in **Annex G** of the **Baseline Monitoring Report (Annex B)**.

### Environmental Statement

- 1.6.3 Assessments of predicted operational noise impacts due to the operation of the EfW CHP Facility are presented in the ES.
- 1.6.4 The assessments presented in the ES were informed by an extensive programme of baseline surveying undertaken November 2021. The representative baseline sound levels, determined on the basis of analysis of the monitoring data acquired, are presented in **Section 5.1**. Detailed results, analysis and validation of monitoring data are presented in Section 3 and Section 4 of the **Baseline Monitoring Report (Annex B)**.
- 1.6.5 Predicted operational sound levels in the ES vary slightly from those presented in this standalone Operational NIA. This is because, for the ES, some additional sources beyond the permit installation boundary were included. These sources consist of heavy vehicle movements on New Bridge Lane approximately up to the junction with Salters Way. As they are outwith the permit boundary, therefore not relevant to the permitting process, these sources are excluded from this standalone Operational NIA. This position was agreed with the Environment Agency at the preapplication meeting on.



## 2. Assessment location

### 2.1 Study Area

- 2.1.1 The determination of the Study Area for the assessment of potential operational noise impacts has been based on professional judgement and experience of similar facilities.
- 2.1.2 In general, the assessment has been limited to the consideration of the nearest Receptors, as Receptors further away would be most unlikely to experience effects greater than those experienced at the nearest Receptors. As such, baseline data gathering has generally been limited to locations representative of the nearest Receptors to the EfW CHP Facility.
- 2.1.3 The Study Area for the Operational NIA is a zone 1 km from the EfW CHP Facility Site boundary. Potential adverse noise effects will likely be confined to those Receptors in closest proximity to the EfW CHP Facility, due to attenuation of noise over distance. The Study Area for the Operational NIA is provided in **Figure C1 (Annex C)**.

### 2.2 Major noise sources and nature of ground between the site and the receptors

- 2.2.1 The EfW CHP Facility Site boundary and approximate location of proposed major noise sources associated with the operational activities are shown in **Figure C2 (Annex C)**.
- 2.2.2 In general, the ground between the Receptors and the EfW CHP Facility Site is flat and consists of mixed soft and hard ground. The closest Receptors tend to have a relatively unobstructed propagation path to the EfW CHP Facility Site, and the propagation path to all other Receptors features a significant amount of screening from existing buildings in the surrounding industrial and commercial areas to the west, north and east.

### 2.3 Receptors

#### Potential receptors

- 2.3.1 An initial desk-based review of the EfW CHP Facility Site and surrounding area was undertaken to identify potential human Receptors that could be subject to significant effects during operation. The desk-based review focussed solely on human Receptors which are already extant within the Study Area, as described above and as shown in **Figure C1 (Annex C)**. No ecological Receptors sensitive to noise and vibration impacts were identified by the project ecologists.
- 2.3.2 The potential Receptor locations identified in the desk-based review are provided in **Table 2.1**, below. Receptor numbering is consistent with the ES, omitting those which relate to other aspects of the Proposed Development and do not form part of



the Operational NIA for the EfW CHP Facility. All Receptors are identified in **Figure C1** in **Annex C**.

**Table 2.1 Potential noise sensitive Receptors**

ID	Receptor	Direction from EfW CHP Facility Site boundary	Approx. distance from EfW CHP Facility Site boundary
<b>Dwellings nearest to the EfW CHP Facility Site, CHP Connection and associated construction activities, including Access Improvements and provision of Water Connections</b>			
R1	2 New Bridge Lane	west	330m
R2	9 New Bridge Lane	south-west	20m
R3	10 New Bridge Lane	south	20m
R4	Dwelling known as 'Potty Plants' off New Bridge Lane, north of the A47	south-east	330m
R5	Newbridge Lane Caravan Park	south-east	450m
R6	Oakdale Place Caravan Site	south	350m
R7	The Chalet, New Drove	south-east	350m
R8	125 New Drove	east	500m
R9	93 South Brink	west	550m
R10	97 South Brink	west	550m
R11	25 Cromwell Road	west	550m
R12	27 – 37 Cox Close	north-west	450m
R13	23 Victory Road	north	900m
R14	Bruce Close	north-east	950m
R15	50 – 60 Weasenham Lane	north-east	820m
R29	64 Weasenham Lane	north	670m
R30	66 Weasenham Lane	north	670m
R38	25 Victory Road	north	920m
R39	27 Victory Road	north	940m
<b>Non-residential Receptors within Study Area</b>			
R16	BJ Books Ltd, Algores Way	north-east	20m



ID	Receptor	Direction from EfW CHP Facility Site boundary	Approx. distance from EfW CHP Facility Site boundary
R17	DHL, 11 Salters Way	west	120m
R18	Welbourns of Wisbech Ltd, 3 New Bridge Lane	west	100m
R19	Kirk Coachworks, New Bridge Lane	west	200m
R20	Thurlow Nunn, 14 Cromwell Road	west	400m
R21	Tesco Filling Station, Cromwell Road	west	390m
R22	James Mackle (UK) Ltd, Algores Way	east	30m
R23	Industrial Operation, Boleness Road	east	180m
R24	Fountain Frozen Ltd, Salters Way	west	60m
R25	The Anglia Community Eye Service Clinic, 32 Cromwell Road	west	400m
R51	Floorspan Contracts, Unit 1, Europa Way	north	20m
R52	Hair World UK Ltd, Algores Way	east	30m
R53	The Builders Yard, rear of 9 New Bridge Lane	west	20m

#### Educational Receptors within Study Area

R26	TBAP Unity Academy, Algores Way/Weasenham Lane	north-east	570m
R27	Cambian Education Foundation Learning Centre, Anglia Way	north-east	150m
R28	Thomas Clarkson Academy	north-east	750m

### Receptors taken forward for assessment

2.3.3 In general, the closest Receptors to the EfW CHP Facility Site have been identified for inclusion within the assessment. This is on the basis that any adverse effects would be unlikely to be of greater magnitude at any Receptors which are further than the closest Receptors. This approach was agreed in advance during the scoping process and guided the methodology for the baseline surveying.

2.3.4 With reference to **Table 2.1**, the receptors taken forward for the assessment are as follows:

- Residential Receptors 1 – 10;
- Industrial and commercial Receptors 16 – 19, 22 – 25 and 51 – 53; and



- Educational Receptor 27.

2.3.5 However, for information, predicted specific sound levels are provided for all Receptors identified in **Table 2.1** in **Annex D**.

2.3.6 The justification for not including all Receptors identified in **Table 2.1** is as outlined above: that there are closer receptors, where baseline sound levels are anticipated to be lower. If operational sound levels can be demonstrated to have been appropriately controlled at these locations, then there will be no unacceptable impacts at Receptors further from the EfW CHP Facility.

## 2.4 Monitoring locations

2.4.1 Photographs of the monitoring locations are provided in **Annex E** of the **Baseline Monitoring Report (Annex B)**.

2.4.2 A number of surrogate monitoring locations were used when gathering baseline data used to inform the assessment. These are set out in **Table 2.2**, below, with justifications provided for each location. Validation of the survey results, and any corrections applied to any monitoring data based on comparisons of relevant datasets, are described in detail in **Section 4** of the **Baseline Monitoring Report (Annex B)**.

**Table 2.2 Surrogate monitoring locations**

Surrogate monitoring location	To be representative of receptors	Justification/Corrections
LT1c	R2, R3	<p>Agreement could not be reached to site the monitoring equipment at R2 or R3.</p> <p>Baseline data acquired in 2019 indicated that the baseline environment at R2 and R3 were equivalent and, in some cases, identical (measured day, evening and night-time background sound levels varied from 0 to 1 dB at R2 and R3).</p> <p>Agreement was reached to site the equipment at the southern end of the EfW CHP Facility Site, at a location approximately equidistant between R2 and R3, where the baseline environment was anticipated to be equivalent to that at R2 and R3. The monitoring equipment was located near the bottom of an earth bund and was therefore subject to a greater degree of screening from local noise sources (particularly from the south, i.e., road traffic noise from the A47) than R2 and R3.</p> <p>To overcome the influence of the earth bund, and to validate measurement data acquired at LT1c, concurrent short-term measurements were undertaken at ST-LT1, which was approximately 30m south of LT1c. Comparisons of the datasets were used to determine corrections to be applied to the data acquired at LT1c to be better representative of ST-LT1, R2 and R3.</p>



Surrogate monitoring location	To be representative of receptors	Justification/Corrections
<b>LT2 Backup/Alternative</b>	R4	<p>Agreement could not be reached to site the monitoring equipment at R4.</p> <p>The surrogate monitoring location was approximately equidistant to the nearest major local noise source dominating residual sound levels – the A47. LT2 Backup/Alternative was approximately 40m north of the nearest carriageway edge of the A47. The boundaries of the dwelling at R4 are approximately between 25 to 50m from the nearest carriageway edge of the A47. Data acquired at LT2 Backup/Alternative is therefore considered to be representative of R4.</p>
<b>ST1 Backup/Alternative</b>	R7	<p>There was concern about disturbing residents at the isolated dwelling at R7 during night-time measurements at the proposed survey location ST1. As such, location ST1 Backup/Alternative was agreed with the local authorities as being a suitable alternative that would be adequately representative.</p> <p>Data acquired at ST1 Backup/Alternative is considered representative of dwellings at R8, approximately 80m northeast of the monitoring location.</p> <p>Comparison of the data acquired at ST1 Backup/Alternative with the 2019 monitoring data acquired at ST1, in close proximity to R7, was used to derive a correction which was applied to the data acquired at ST1 Backup/Alternative to be better representative of R7.</p>



## 3. Equipment and meteorology

### Sound Level Meters and Acoustic Calibrators

- 3.1.1 All sound level measurements were undertaken using Rion NL-52 Sound Level Meters (SLMs). Field calibration checks, undertaken at the beginning and end of each measurement set, were carried out using Rion NC-74 acoustic calibrators, producing 94 dB at 1 kHz. Field calibration checks confirmed no offset at the start of each measurement set, and no significant deviation was recorded at the end of each measurement set (maximum drift of 0.1 dB).
- 3.1.2 All SLMs conformed to Class 1 as defined by BS EN 61672-1:2013 '*Electroacoustics, Sound level meters, Specifications*'. All acoustic calibrators conformed to BS EN 60942:2018 '*Electroacoustics – Sound calibrators*'. to the microphone to check the sensitivity of the measuring equipment.
- 3.1.3 All SLMs used during the monitoring had undergone laboratory calibration within a period not exceeding two years prior to use. All acoustic calibrators used had undergone laboratory calibration within a period not exceeding one year prior to use. Details of the laboratory calibrations undertaken on the instrumentation are provided below in **Table 3.1**, and calibration certificates are provided in **Annex D** of the **Baseline Monitoring Report (Annex B)**.

**Table 3.1 Instrumentation calibration details**

Kit ID	Manufacturer	Instrument	Type	Serial Number	Calibration Date
28	Rion	Sound Level Meter	NL – 52	00331828	29/03/2021
	Rion	Pre Amplifier	NH – 25	21779	29/03/2021
	Rion	Microphone	UC – 59	04895	29/03/2021
29	Rion	Sound Level Meter	NL – 52	00331829	29/03/2021
	Rion	Pre Amplifier	NH – 25	21780	29/03/2021
	Rion	Microphone	UC – 59	04896	29/03/2021
32	Rion	Sound Level Meter	NL – 52	1143532	29/03/2021
	Rion	Pre Amplifier	NH – 25	43549	29/03/2021
	Rion	Microphone	UC – 59	7392	29/03/2021
33	Rion	Sound Level Meter	NL – 52	1143533	29/03/2021
	Rion	Pre Amplifier	NH – 25	43550	29/03/2021
	Rion	Microphone	UC – 59	7393	29/03/2021
35	Rion	Sound Level Meter	NL – 52	1143535	30/03/2021





Kit ID	Manufacturer	Instrument	Type	Serial Number	Calibration Date
	Rion	Pre Amplifier	NH – 25	43552	30/03/2021
	Rion	Microphone	UC – 59	7396	30/03/2021
94	Rion	Sound Level Meter	NL – 52	01121394	29/03/2021
	Rion	Pre Amplifier	NH – 25	21438	29/03/2021
	Rion	Microphone	UC – 59	10448	29/03/2021
95	Rion	Sound Level Meter	NL – 52	01121395	29/03/2021
	Rion	Pre Amplifier	NH – 25	21439	29/03/2021
	Rion	Microphone	UC – 59	04412	29/03/2021
C1	Rion	Calibrator	NC – 74	34251550	26/03/2021
C2	Rion	Calibrator	NC – 74	34251551	29/03/2021
C4	Rion	Calibrator	NC – 74	34251553	27/05/2021
C6	Rion	Calibrator	NC – 74	34251556	26/03/2021

3.1.4 Noise monitoring equipment was set to measure for intervals of 15-minutes in accordance with BS 4142:2014+A1:2019 *'Methods for rating and assessing industrial and commercial sound'* (BS 4142:2014), which states:

“8.1.3 Ensure that the measurement time interval is sufficient to obtain a representative value of the background sound level for the period of interest. This should comprise continuous measurements of normally not less than 15 min intervals, which can be continuous or disaggregated.”

3.1.5 All sound level measurements were undertaken in accordance with BS 4142:2014+A1:2019 and BS 7445-1:2003 *'Description and measurement of environmental noise. Part 1: Basic quantities and procedures'*, i.e., with microphones mounted to a minimum height of 1.2 to 1.5m above ground level and no less than 3.5 m from any reflecting surface other than the ground.

## Meteorological conditions

### *Meteorological Equipment*

3.1.6 Meteorological conditions throughout the monitoring period were logged with a Davis Vue 6250UK weather station, located approximately 100m north of the sound level meter at LT1c. The meteorological station was positioned on top of an earth bund at approximately 3m above local ground level.



### *Meteorological Data*

- 3.1.7 Meteorological conditions varied throughout the long-term surveys, but were generally calm, with average wind speeds up to  $4\text{ms}^{-1}$  but below  $2\text{ms}^{-1}$  for the majority of the time, and very limited precipitation, with short periods of rainfall experienced on three days of the survey.
- 3.1.8 Wind direction statistics based on analysis of the logged meteorological data are provided below in **Table 3.2**. The wind statistics indicate that the wind direction over the monitoring period is consistent with the prevailing wind direction, with winds from the west, southwest and south for around half of the monitoring period.

**Table 3.2 Wind direction as percentage of time over whole monitoring period**

Wind Direction	N	NW	W	SW	S	SE	E	NE	No direction recorded (speed too low)
% of monitoring period	4	5	18	27	4	15	6	14	7

- 3.1.9 Though average wind speeds (averaged over each 15-minute period) did not exceed  $4\text{ms}^{-1}$ , maximum wind speeds (gust speeds) were also logged. Review of the maximum wind speed data indicated that there were two periods when maximum wind speeds exceeded  $5\text{ms}^{-1}$ . The first occurred between 12/11/2021 12:15 hrs and 13/11/2021 16:30 hrs when, for the majority of the time, maximum wind speeds exceeded  $5\text{ms}^{-1}$ . The second period occurred 17/11/2021 between 10:30 and 14:30 hrs when maximum wind speeds exceeded  $5\text{ms}^{-1}$  approximately half of the time.

### *Data excluded due to meteorological conditions*

- 3.1.10 Review of the measured sound levels showed that, at LT1c, the  $L_{Aeq,T}$  and  $L_{A90,T}$  sound levels appear to have been affected by maximum wind speeds, with LT2 relatively unaffected and LT3 somewhat affected. Therefore, time periods where gusts above  $5\text{ms}^{-1}$  occurred were removed from the analysis of long-term measurement data. The limited number of periods where precipitation was logged were also excluded from the analysis of long-term measurement data, to ensure that the influence of adverse weather conditions was minimised.
- 3.1.11 No short-term data was excluded from the analysis due to weather conditions. The subjective audibility of 'wind in flora' did not exceed 'audible' during any of the short-term measurements (with the next greatest subjective audibility category being 'significant source'), as detailed in **Annex F** of the **Baseline Monitoring Report (Annex B)**.



3.1.12 **Table 3.3** shows the total time monitored at each long-term location alongside the number of samples excluded due to meteorological conditions, and the duration of each dataset after exclusions.

**Table 3.3 Duration of long-term datasets with and without excluded data**

Monitoring location	Total no. 15 minute samples	Total duration of dataset	No. samples excluded due to meteorological conditions	Duration of dataset, with exclusions
LT1c	758	7 days, 21 hours, 30 minutes	76	7 days, 2 hours, 30 minutes
LT2	669	6 days, 23 hours, 15 minutes	76	6 days, 4 hours, 15 minutes
LT3	753	7 days, 20 hours, 15 minutes	76	7 days, 1 hour, 15 minutes

### Baseline data analysis: software & protocol

3.1.13 Sound level data was analysed using proprietary spreadsheets setup in Microsoft® Excel® for Microsoft 365 MSO (Version 2203 Build 16.0.15028.20240).

3.1.14 Long-term datasets were subjected to statistical analysis which outputs the range, median, 25<sup>th</sup> percentile and 75<sup>th</sup> percentile levels, and arithmetic and logarithmic (in the case of the  $L_{eq,T}$ ) averages. Time histories, showing the measured sound levels and meteorological conditions, and histograms, indicating the distribution of the measured sound level data, were also produced and are presented in the **Baseline Monitoring Report (Annex B)**.

3.1.15 Short-term datasets were subjected to analysis which outputted the range (in the case of the  $L_{max,T}$ ), arithmetic averages (in the case of statistical sound levels  $L_{n,T}$ ) and logarithmic averages (in the case of the  $L_{eq,T}$ ).

3.1.16 The protocol for analysing the baseline sound level data was as follows:

- Collate the measurement data for each measurement location;
- Carry out exclusions for meteorological conditions for the long-term datasets;
- Calculate/output averages, ranges, etc.;
- Carry out validation checks on the measured data;
- Where appropriate, undertake comparisons with data acquired during the 2019 baseline monitoring, and carry out corrections for location based on the comparisons; and
- Carry out quality management checks on all data collation, processing and analysis. Where checks identify any issues, perform remedial actions as necessary and revise outputs as necessary.



## Prediction of specific sound levels: software & protocol

3.1.17 Specific sound levels were predicted using the software package SoundPLAN 8.2.

3.1.18 The protocol for the prediction of specific sound levels was as follows:

- Receive and review the source sound level data, mapping of the proposed EfW CHP Facility, tabular data on proposed building heights and information on the anticipated flows of vehicles into and out of the site provided by the Applicant and the project team;
- Produce draft noise model input data table based on the information received;
- Provide draft noise model input data table for review by the Applicant, and carry out amendments based on comments received;
- Produce noise model based on:
  - ▶ Agreed noise model input data table;
  - ▶ Drawings indicating layout of EfW CHP Facility;
  - ▶ Geographic Information Systems (GIS) data describing the Study Area (locations of existing buildings, roads, topography within 100m of the EfW CHP Facility Site boundary, etc);
- Run calculations to predict specific sound levels;
- Draft report tables and predicted noise contour figures; and
- Carry out quality management checks on the model inputs, model outputs and draft report tables in the modelling software, spreadsheets and within the report and figures. Where checks identify any issues, perform remedial actions as necessary and revise outputs as necessary.



## 4. Methodology

### 4.1 Standards and guidance

4.1.1 The standards and guidance used to inform the assessment methodology are listed in **Table 4.1** below.

**Table 4.1 Technical guidance for noise and vibration assessment**

Technical guidance	Implications
<b>BS 4142:2014+A1:2019 <i>Methods for rating and assessing industrial and commercial sound</i><sup>5</sup></b>	Standard used to assess potential noise impact due to operational noise upon residential Receptors.
<b>BS 7445 – <i>Description and Measurement of Environmental Noise – Part 1: Basic quantities and procedures</i><sup>6</sup></b>	Standard setting out basic guidelines and requirements for reporting of measured environmental sound levels.
<b>BS 7445 – <i>Description and Measurement of Environmental Noise – Part 2: Guide to the acquisition of data pertinent to land use</i><sup>7</sup></b>	Standard setting out basic guidelines and requirements for acquisition of environmental sound levels, where these may be used to determine appropriate use of land.
<b>BS 5228–1:2009+A1:2014 <i>Code of practice for noise and vibration control on construction and open sites – Part 1: Noise</i><sup>8</sup></b>	Standard for construction noise magnitude of impact and threshold of sensitivity (used to inform baseline sound level survey methodology).
<b><i>Joint Guidance on the Impact of COVID-19 on the Practicality and Reliability of Baseline Sound Level Surveying and the Provision of Sound &amp; Noise Impact Assessments</i><sup>9</sup></b>	Provides guidance on undertaking, and validating data acquired during, baseline sound level surveys carried out at times which may have been influenced by variations in local activity because of the COVID-19 pandemic.
<b>ISO 9613-2:1996 <i>Acoustics – Attenuation of sound during propagation outdoors – Part 2: General method of calculation</i><sup>10</sup></b>	This standard details the prediction methodology which has been used to predict operational noise levels. Specific sound levels have been predicted using noise modelling software which implements this prediction methodology.

<sup>5</sup> British Standards Institution, 2019. BS 4142:2014 + A1:2019 Methods for rating and assessing industrial and commercial sound. BSI, London.

<sup>6</sup> British Standards Institution. BS 7445-1:2003 Description and measurement of environmental noise – Part 1: Basic quantities and procedures. BSI, 2003.

<sup>7</sup> British Standards Institution. BS 7445-2:1991 Description and measurement of environmental noise – Part 2: Guide to the acquisition of data pertinent to land use. BSI, 1991.

<sup>8</sup> British Standards Institution, 2014. BS 5228-1:2009 + A1:2014 Code of construction practice for noise and vibration control on construction and open sites – Part 1: Noise. BSI, London.

<sup>9</sup> Association of Noise Consultants and the Institute of Acoustics. Joint Guidance on the Impact of COVID-19 on the Practicality and Reliability of Baseline Sound Level Surveying and the Provision of Sound & Noise Impact Assessments. 2020.

<sup>10</sup> International Standards Organisation, 1996. ISO 9613-2:1996 Acoustics – Attenuation of sound during propagation outdoors – Part 2: General method of calculation. ISO, London.



Technical guidance	Implications
<b>Guidelines for environmental noise impact assessment<sup>11</sup></b>	Contains guidance on undertaking EIA for noise impacts, including guidance on criteria for ambient noise changes, which has been used to inform consideration of context.
<b>NANR116: Open/Closed Window Research – Sound Insulation through Ventilated Domestic Windows<sup>12</sup></b>	This document contains the results of research carried out to determine sound reduction due to windows in different states of opening and has been referred to when considering likely internal sound levels due to a particular external sound level.
<b>World Health Organisation (WHO) Guidelines for Community Noise<sup>13</sup></b>	Presents guideline noise levels for community noise in specific residential environments. The criteria presented in this guidance has been referred to when considering potential impacts due to absolute sound levels.
<b>BS 8233:2014 Guidance on sound insulation and noise reduction for buildings<sup>14</sup></b>	Presents guidelines for ambient noise levels for various situations. Criteria for executive offices and for reliable speech communication have been used to assess noise impacts at industrial and commercial Receptors.

## 4.2 Baseline sound level survey

- 4.2.1 The methodology for the baseline sound level survey was produced in accordance with the requirements of BS 4142, BS 7445-1, BS 7445-2 and BS 5228-1 as set out above in **Section 4.1**. The methodology for the baseline sound level survey was agreed in advance with the Local Planning Authorities, through submission and review of a number of iterations of a Survey and Monitoring Plan (SMP). The agreed SMP is provided in **Annex B** of the **Baseline Monitoring Report (Annex B)**.
- 4.2.2 Validation of measured data was undertaken with reference to the results of the 2019 baseline sound level survey undertaken prior to the EIA (undertaken in accordance with BS 4142, BS 7445-1 and BS 7445-2), with reference to Strategic noise maps produced under the Environmental Noise (England) Regulations, 2006 (as amended) and with reference to traffic flow data provided by the UK Government, in accordance with the guidance provided in '*Joint Guidance on the Impact of COVID-19 on the Practicality and Reliability of Baseline Sound Level Surveying and the Provision of Sound & Noise Impact Assessments*'.
- 4.2.3 All baseline surveying and subsequent data processing and analysis was undertaken in accordance with the relevant British Standards and guidance as set out above, and as described in **Section 4.1**.

<sup>11</sup> IEMA, November 2014. Guidelines for environmental noise impact assessment, Version 1.2.

<sup>12</sup> The Building Performance Centre, School of the Built Environment, Napier University, 2007. NANR116: Open/Closed Window Research – Sound Insulation through Ventilated Domestic Windows.

<sup>13</sup> World Health Organisation, 1999. Guidelines for Community Noise. WHO, Geneva.

<sup>14</sup> British Standards Institute, 2014, BS 8233:2014 Guidance on sound insulation and noise reduction for buildings. BSI, London.



## Considerations on survey location, duration, timing and meteorological conditions and effect of the above on uncertainty

### Survey locations

- 4.2.4 Long-term monitoring was targeted at Receptor locations closest to the EfW CHP Facility Site, where noise impacts would likely be greatest, as they are located on the fringe of the industrial area. In general, short-term monitoring was targeted at Receptor locations where comparisons could be made with long-term monitoring in comparable locations (i.e., affected by the same/similar noise sources) or at more remote locations where potential impacts were expected to be lower/where the noise environment comprised of different sources as compared to the long-term monitoring locations in closer proximity to the EfW CHP Facility Site.
- 4.2.5 All monitoring was undertaken in free-field conditions. The influence of screening or reflected sound was therefore minimised and this has reduced the uncertainty associated with the baseline sound level measurements.

### Survey durations and timings

- 4.2.6 Long-term monitoring at the long-term measurement locations was undertaken for a duration of approximately seven days, including a weekend, during local school term times. BS 4142 advises that *“The monitoring duration should reflect the range of background sound levels for the period being assessed.”* It is considered that the long-term measurements were of an adequate duration, capturing both weekday and weekend data, and that the duration of the long-term monitoring has, therefore, reduced the uncertainty in the measured baseline sound levels.
- 4.2.7 Short-term monitoring was conducted over a number of different weekdays, in daytime (07:00 to 19:00 hrs), evening (19:00 to 23:00 hrs) and night-time (23:00 to 07:00 hrs) periods. Efforts were made to avoid peaks in local activity associated with morning and evening rush hours and to undertake measurements with a good distribution from 00:00 to 23:59 hrs, to acquire conservative, representative sound levels. Measurements at each short-term measurement location totalled approximately 3 hours and 15 minutes. It's considered that the duration and timings of the short-term measurements have reduced uncertainty in the measured baseline sound levels.
- 4.2.8 Where appropriate, validation and correction of short-term monitoring data has been undertaken to ensure that the representative sound levels used in the assessment are robust and conservative. The validation checks and corrections have further reduced the uncertainty associated with the long-term and short-term measurement data.

### Meteorological conditions

- 4.2.9 Meteorological conditions during the survey period are discussed above in **Section 0**. As outlined in **Section 0**, average wind speeds did not exceed  $4\text{ms}^{-1}$  during the monitoring period. However, analysis of gust speeds indicated that gusts influenced the measured sound levels at the long-term measurement locations and some data was excluded from the analysis on this basis. The gust speeds did not





confound the short-term measurements, as subjective rating of the audibility of wind induced noise never exceeded 'audible' and was not found to be a 'significant contributor' in any of the short-term measurements.

4.2.10 A limited number of samples were excluded from the analysis of the long-term datasets due to periods of precipitation.

4.2.11 Based on the above it is considered that the influence of meteorological conditions on the baseline data has been minimised and the influence of any uncertainty associated with the influence of meteorological conditions has also been minimised.

### 4.3 Prediction of specific sound levels

4.3.1 Predictions of specific sound levels have been undertaken implementing the prediction methodology provided in ISO 9613-2:1996 '*Acoustics – Attenuation of sound during propagation outdoors – Part 2: General method of calculation*'. The use of this prediction methodology provides a conservative approach, as it is based on down-wind propagation, i.e., it assumes a wind direction away from each individual source in every direction, such that the wind favours propagation from every source to every Receptor.

4.3.2 The noise model used to predict specific sound levels generally assumes flat, acoustically mixed (intermediately soft/hard) ground, but includes topography data for an area 100m beyond the boundary of the EfW CHP Facility Site. Topography data was used in this way to enhance the accuracy of the modelling of acoustic screening to the nearest Receptor locations. Ground at the EfW CHP Facility Site is assumed to be acoustically hard. Existing buildings, outside the EfW CHP Facility Site, have been included. Specific sound levels have been predicted at ground floor and first floor level, and the greater of the two have been used in the assessment, except at R3, R5, R6 and R7, as these Receptors are single storey and hence only ground floor level predictions are used at these Receptors.

4.3.3 The stated accuracy of the prediction methodology is  $\pm 3$  dB for mean source and receiver heights not exceeding 5 m, for propagation distances up to 1000m. It is considered that the majority of mean source and receiver heights fall within this range, and therefore the stated accuracy of the prediction methodology will be valid in this case. However, for any source and receiver combination with a mean source height of  $>5$ m, then the uncertainty associated with the predicted specific sound level may exceed  $\pm 3$  dB.

### 4.4 Assessment methodology

#### General approach

4.4.1 For residential Receptors, the assessment methodology is that provided in BS 4142, as set out in **Section 4.1**. Baseline sound levels have been quantified by measurement and analysis in accordance with BS 4142, and other relevant British Standards, as described in **Section 4.2**, following the protocol set out in **Section 0**.

4.4.2 As the EfW CHP Facility is not yet consented, constructed or operational, the assessment is based on predicted specific sound levels as outlined in **Section 4.3**,





taking account of the proposed times of day when specific activities would occur, in accordance with the protocol set out in **Section 0**.

- 4.4.3 Rating penalties were determined subjectively based on experience of similar facilities, the sound level data provided by the Applicant, discussion with the Applicant's planning team, comparison of the predicted specific sound levels with the representative residual sound levels and consideration of the subjective audibility of the specific sound based on the character and level of the residual sound.

### Consideration of context – ambient noise change criteria

- 4.4.4 In accordance with BS 4142:2014+A1:2019, the results of the initial estimate do not define the results of the assessment without further consideration of the context. It is sometimes necessary to modify the result of the initial estimate following consideration of contextual aspects.

- 4.4.5 BS 4142:2014+A1:2019 states *'Where the initial estimate of the impact needs to be modified due to the context, take all pertinent factors into consideration, including the following.*

*1) The absolute level of sound. For a given difference between the rating level and the background sound level, the magnitude of the overall impact might be greater for an acoustic environment where the residual sound level is high than for an acoustic environment where the residual sound level is low.*

*Where background sound levels and rating levels are low, absolute levels might be as, or more, relevant than the margin by which the rating level exceeds the background. This is especially true at night.*

*Where residual sound levels are very high, the residual sound might itself result in adverse impacts or significant adverse impacts, and the margin by which the rating level exceeds the background might simply be an indication of the extent to which the specific sound source is likely to make those impacts worse.*

*2) The character and level of the residual sound compared to the character and level of the specific sound. Consider whether it would be beneficial to compare the frequency spectrum and temporal variation of the specific sound with that of the ambient or residual sound to assess the degree to which the specific sound source is likely to be distinguishable and will represent an incongruous sound by comparison to the acoustic environment that would occur in the absence of the specific sound. Any sound parameters, sampling periods and averaging time periods used to undertake character comparisons should reflect the way in which sound of an industrial and/or commercial nature is likely to be perceived and how people react to it.*

*3) The sensitivity of the receptor and whether dwellings or other premises used for residential purposes will already incorporate design measures that secure good internal and/or outdoor acoustic conditions, such as:*

*i) facade insulation treatment;*

*ii) ventilation and/or cooling that will reduce the need to have windows open so as to provide rapid or purge ventilation; and*



iii) *acoustic screening.*'

- 4.4.6 To aid consideration of context, a noise change assessment has been undertaken which assesses the predicted change in ambient noise levels with the addition of the specific sound to the residual acoustic environment. The character and absolute level of the specific sound and residual sound are also considered in the noise change assessment.
- 4.4.7 The criteria for increases in ambient noise are based on guidance contained in '*Guidelines for environmental noise impact assessment*' and are provided in **Table 4.2**, below. A change in sound level of +3 dB is considered to be a just noticeable change, for the majority of the population, for sounds of a similar character. As such, increases of up to +2 dB will tend to be imperceptible, for a source/sources of a similar character. On this basis, increases of 0 dB (i.e., no ambient noise increase) indicate an impact of negligible magnitude, increases up to +2 dB are considered to indicate an impact of low magnitude, increases between +3 to +5 dB indicate an impact of medium magnitude and increases equal to, or in excess, of +6 dB indicate an impact of high magnitude.

**Table 4.2 Magnitude of impact due to ambient noise change**

Indicative magnitude	Noise change, dB	Description
<b>Negligible</b>	0	No increase in ambient noise levels.
<b>Low</b>	+1 to +2	Increase in ambient noise level tending to be imperceptible.
<b>Medium</b>	+3 to +5	Perceptible ambient noise level increase.
<b>High</b>	>= +6	Perceptible and noticeable increase in ambient noise level.



## 5. Noise monitoring data and predictions

### 5.1 Representative baseline sound levels for use in the assessment

- 5.1.1 Measurement data was validated as outlined in **Section 4.2**. The durations of the measurements, also outlined in **Section 4.2**, were agreed in advance with the LPAs and are considered adequate to provide suitably representative samples. Determination of the representative sound levels was based on rigorous statistical analyses and included corrections, where appropriate.
- 5.1.2 The analyses and corrections are set out in Section 4 of the Baseline Monitoring Report provided in **Annex B**. Also included in Section 4 of the Baseline Monitoring Report are summaries of the subjective observations, describing the sources which were audible, and found to be contributing most significantly to the acoustic environment, at each measurement location.
- 5.1.3 In summary of the analyses set out in **Section 4** of the **Baseline Monitoring Report (Annex B)**, statistical analyses of the long-term datasets indicated that the 25<sup>th</sup> percentile background sound levels and median residual sound levels are considered representative. These sound levels were used in further comparisons, corrections and validation checks, to aid the determination of representative sound levels at R7 and ST-LT1 (representative of R2 and R3).
- 5.1.4 Average short-term measurement data acquired at ST4 was considered representative of R27 without correction. The noise environment at this location was dissimilar to any other, negating the possibility of validation checks. This location was within an industrial area and was found to be subject to continuous industrial and commercial sound at all times of day, and it's therefore considered that the uncertainty associated with the baseline data at ST4 is low.
- 5.1.5 **Table 5.1** and **Table 5.2** provide the representative baseline sound levels for weekdays and weekends, respectively, alongside Receptor locations that these levels are considered representative of, that will be used in the assessment of operational noise.



**Table 5.1 Representative baseline sound levels to be used in the assessment of operational noise – weekdays**

Location	Representative of Receptor IDs	Daytime (07:00 to 1900 hrs)		Evening (19:00 to 23:00 hrs)		Night-time (23:00 to 07:00 hrs)	
		Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$	Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$	Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$
ST-LT1*	R2, R3	54	49	50	46	51	43
LT2 Alt.	R4, R5, R6	62	54	58	42	55	39
LT3	R1, R9, R10	54	44	50	44	48	43
ST1**	R7	56	53	55	52	54	52
ST1 Alt.	R8	48	46	48	45	46	45
ST4	R27	58	48	54	48	57	43

\* - Representative levels based on measured sound levels from LT1c, corrected to ST-LT1.

\*\* - Representative levels based on measured sound levels from ST1 Alternative/Backup, corrected to ST1.



**Table 5.2 Representative baseline sound levels to be used in the assessment of operational noise - weekends**

Location	Representative of Receptor IDs	Daytime		Evening		Night-time	
		Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$	Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$	Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$
ST-LT1*	R2, R3	52	48	48	45	50	45
LT2 Alt.	R4, R5, R6	59	51	55	43	52	40
LT3	R1, R9, R10	50	40	46	38	42	35
ST1**	R7	53	50	52	52	51	52
ST1 Alt.	R8	45	43	45	45	43	45
ST4 ***	R27	58	48	54	48	57	43

\* - Representative levels based on measured sound levels from LT1c, corrected to ST-LT1.

\*\* - Representative levels based on measured sound levels from ST1 Alternative/Backup, corrected to ST1

\*\*\* - Weekend baseline sound levels assumed to be same as weekdays, where no weekend data are available.



## 5.2 Predicted specific sound levels

### Source data and character of the specific sound

- 5.2.1 The majority of the source sound level data (for major plant items, ambient sound levels within buildings, and sound reduction index provided by the construction of the proposed buildings) was provided by the Applicant and is based on manufacturer's data, and data acquired during construction and operation of similar developments.
- 5.2.2 Some source sound level data (for external loader movements and for HGVs traversing the site) were obtained from the library data provided in the annexes of BS 5228-1. Transport data provided in ES Chapter 6: Traffic and Transport (Volume 6.2), Appendix 6B Transport Assessment, Section 6.3 Operational Phase Proposed Development Details (Volume 6.4) indicating the expected numbers of HGV movements over a 24-hour period on weekdays and weekends were used to model vehicle flows around the site.
- 5.2.3 The assessors undertaking the Operational NIA have experience of assessing numerous similar facilities, and review of the source sound level data indicated that the data was representative and, generally, typical of what would be expected in terms of the sound power levels of individual items and the internal sound levels anticipated within the proposed buildings. The nature of the source sound level data, and review of this data by the assessors who have experience of assessing many similar facilities, has reduced the uncertainty associated with the predicted specific sound levels.
- 5.2.4 The source sound level data is presented in in **Annex D**. All sources have been modelled with uniform directivity.
- 5.2.5 The specific sound from the operation of the EfW CHP Facility consists of sound from fixed plant and from vehicle movements. Fixed plant will be designed such that sound emitted will be broadband in nature, with no tonal components. There is therefore no requirement to apply any rating penalties for tonal characteristics. The facility will operate continuously and will not feature any impulsive components. There is therefore no requirement to apply any rating penalties for intermittency or impulsivity. In general, at the nearest Receptors, the residual sound is dominated by existing industrial and commercial sources and by road traffic noise. Therefore, the character of the specific sound is identical in nature to the residual sound. As such, rating penalties may only be applied for 'other sound characteristics' at the nearest Receptors, Numbers 9 and 10 New Bridge Lane (R2 and R3, respectively), where the predicted specific sound level exceeds the residual sound level, indicating that the specific sound could be readily distinguishable in the residual acoustic environment.

### Prediction details

- 5.2.6 Ground floor receivers were modelled at a height of 1.5m above local ground level and first floor receivers were modelled at a height of 4m above local ground level. Average propagation heights can be determined by averaging the receiver heights



and the source heights provided in the 'mean propagation  $L_{eq}$ ' tables shown in **Annex D**. The same tables also provide details of the influence of ground effect, barrier attenuation, propagation distance, distance attenuation, atmospheric absorption, etc.

## Prediction results

### Normal Operation

5.2.7 Predicted specific sound levels on weekdays and weekends at all Receptors within the Study Area are presented below in **Table 5.3** for the 'normal operation' scenario.

**Table 5.3 Predicted specific sound levels, normal operation**

R. ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB $L_{Aeq,T}$			EfW CHP Facility, Weekends, dB $L_{Aeq,T}$		
			Day	Eve	Night	Day	Eve	Night
R01	2 New Bridge Lane	GF	39	36	35	37	35	35
R01	2 New Bridge Lane	F 1	41	38	37	39	37	37
R02	9 New Bridge Lane	GF	54	47	46	50	46	46
R02	9 New Bridge Lane	F 1	54	48	47	50	47	47
R03	10 New Bridge Lane	GF	57	48	46	52	46	46
R04	Dwelling known as 'Potty Plants' off new Bridge Lane, north of A47	GF	43	40	39	41	39	39
R04	Dwelling known as 'Potty Plants' off new Bridge Lane, north of A47	F 1	45	41	41	42	41	41
R05	Newbridge Lane Caravan Park	GF	39	38	38	38	38	38
R06	Oakdale Place Park	GF	40	35	35	36	35	35
R07	The Chalet, New Drove	GF	44	42	42	44	42	42
R08	125 New Drove	GF	37	35	35	36	35	35
R08	125 New Drove	F 1	39	36	36	38	36	36
R09	93 South Brink	GF	33	29	29	30	29	29
R09	93 South Brink	F 1	35	31	30	33	31	30
R10	97 South Brink	GF	35	31	30	33	31	30
R10	97 South Brink	F 1	36	33	32	34	32	32
R11	25 Cromwell Road	GF	36	33	32	34	32	32
R11	25 Cromwell Road	F 1	38	34	34	36	34	34
R12	27 - 37 Cox Close	GF	35	32	31	34	32	31
R12	27 - 37 Cox Close	F 1	37	33	32	36	33	32
R13	23 Victory Road	GF	31	28	27	30	28	27
R13	23 Victory Road	F 1	32	29	29	31	29	29
R14	Bruce Close	GF	28	27	27	28	27	27
R14	Bruce Close	F 1	31	30	30	30	30	30
R15	50 – 60 Weasenham Lane	GF	29	27	27	28	27	27
R15	50 – 60 Weasenham Lane	F 1	31	29	29	30	29	29
R16	BJ Books Ltd, Algores Way	GF	65	59	55	64	59	55
R16	BJ Books Ltd, Algores Way	F 1	65	60	56	64	60	56



R. ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB LAeq,T			EfW CHP Facility, Weekends, dB LAeq,T		
			Day	Eve	Night	Day	Eve	Night
R17 (E)	DHL, 11 Salters Way	GF	52	47	46	48	46	46
R17 (E)	DHL, 11 Salters Way	F 1	52	47	47	49	47	47
R17 (S)	DHL, 11 Salters Way	GF	35	30	29	31	29	29
R17 (S)	DHL, 11 Salters Way	F 1	37	31	31	33	31	31
R18	Welbourns of Wisbech Ltd, 3 New Bridge Lane	GF	48	43	42	44	42	42
R18	Welbourns of Wisbech Ltd, 3 New Bridge Lane	F 1	49	44	44	46	44	44
R19	Kirk Coachworks, New Bridge Lane	GF	33	28	28	30	28	28
R19	Kirk Coachworks, New Bridge Lane	F 1	35	30	29	31	29	29
R20	Thurlow Nunn, 14 Cromwell Road	GF	37	33	32	35	33	32
R20	Thurlow Nunn, 14 Cromwell Road	F 1	39	35	34	37	35	34
R21	Tesco Filling Station, Cromwell Road	GF	36	34	33	35	34	33
R21	Tesco Filling Station, Cromwell Road	F 1	38	35	35	37	35	35
R22 (S)	James Mackle (UK) Ltd, Algores Way	GF	51	47	46	48	46	46
R22 (S)	James Mackle (UK) Ltd, Algores Way	F 1	52	49	49	50	49	49
R22 (W)	James Mackle (UK) Ltd, Algores Way	GF	60	57	57	59	57	57
R22 (W)	James Mackle (UK) Ltd, Algores Way	F 1	61	59	59	60	59	59
R23	Industrial Operation, Boleness Road	GF	49	47	47	47	47	47
R23	Industrial Operation, Boleness Road	F 1	51	48	48	49	48	48
R24	Fountain Frozen Ltd, Salters Way	GF	59	53	52	57	53	52
R24	Fountain Frozen Ltd, Salters Way	F 1	59	54	53	57	54	53
R25	The Anglia Community Eye Service Clinic, 32 Cromwell Road	GF	39	36	36	37	36	36
R25	The Anglia Community Eye Service Clinic, 32 Cromwell Road	F 1	41	37	37	39	37	37
R26	TBAP Unity Academy, Algores Way/Weasenham Lane	GF	34	33	32	33	33	32
R26	TBAP Unity Academy, Algores Way/Weasenham Lane	F 1	35	34	34	35	34	34
R27	Cambian Education Foundation Learning Centre, Anglia Way	GF	44	44	43	44	44	43
R27	Cambian Education Foundation Learning Centre, Anglia Way	F 1	46	45	45	46	45	45
R28	Thomas Clarkson Academy	GF	30	29	29	30	29	29
R28	Thomas Clarkson Academy	F 1	32	31	30	32	30	30
R29	64 Weasenham Lane	GF	32	31	31	32	31	31
R29	64 Weasenham Lane	F 1	35	33	33	34	33	33
R30	66 Weasenham Lane	GF	31	30	30	31	30	30
R30	66 Weasenham Lane	F 1	34	33	33	33	33	33
R38	25 Victory Road	GF	31	28	27	30	28	27
R38	25 Victory Road	F 1	32	29	28	31	29	28
R39	27 Victory Road	GF	30	27	27	29	27	27
R39	27 Victory Road	F 1	32	28	28	30	28	28





R. ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB LAeq,T			EfW CHP Facility, Weekends, dB LAeq,T		
			Day	Eve	Night	Day	Eve	Night
R50	21 Cromwell Road	GF	32	30	29	31	30	29
R50	21 Cromwell Road	F 1	34	31	30	33	31	30
R51	Floorspan Contracts, Unit 1, Europa Way	GF	58	54	52	56	54	52
R52	Hair World UK Ltd, Algores Way	F 1	58	54	53	57	54	53
R52	Hair World UK Ltd, Algores Way	GF	59	56	54	58	55	54
R53	The Builders Yard, rear of 9 New Bridge Lane	F 1	57	50	49	52	49	49

5.2.8 **Figure D.1, Figure D.2 and Figure D.3, in Annex D,** provide predicted noise contours for daytime, evening and night-time, respectively.

5.2.9 **Table 5.4, Table 5.5 and Table 5.6** below show which sources are predicted to be the greatest and lesser contributors to specific sound levels at R1 – R10. The sources were ranked based on calculation of the logarithmic average of the source contributions at Receptors R1 – R10. The sources in the tables are in rank order with the greatest contributor first and the lowest contributor last.

**Table 5.4 Ranked sources: weekday daytime**

Weekday Daytime, Ranked Sources (Greatest contributor first)
A - HGVs
ID16 - Air cooled condenser
ID05 - Boiler house building
ID02 - Tipping hall
ID08 - Induced draft fans buildings
ID07b - Bag filter houses
ID18 - Water treatment plant
ID24 - Water recooling system (full load)
ID09 - Chimney outlets
ID17 - Turbine hall
ID13 - Compressed air station
ID07a - APC plant, silos and reactors
ID04 - Waste bunker
ID10 - Switchgear building




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 Weekday Daytime, Ranked Sources (Greatest contributor first)
 

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C - Exhaust Steam Pipe
B - Loader (external movements)
ID21 - 132 kV switching compound
ID23 - Private wire switchgear compound
ID22 - Private wire transformer
ID14 - Main transformer

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**Table 5.5 Ranked sources: weekday evening**


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 Weekday Daytime, Ranked Sources (Greatest contributor first)
 

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ID16 - Air cooled condenser
A - HGVs
ID05 - Boiler house building
ID08 - Induced draft fans buildings
ID07b - Bag filter houses
ID18 - Water treatment plant
ID24 - Water recooling system (full load)
ID09 - Chimney outlets
ID02 - Tipping hall
ID17 - Turbine hall
ID13 - Compressed air station
ID07a - APC plant, silos and reactors
ID04 - Waste bunker
ID10 - Switchgear building
C - Exhaust Steam Pipe
ID21 - 132 kV switching compound
ID23 - Private wire switchgear compound
B - Loader (external movements)

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 Weekday Daytime, Ranked Sources (Greatest contributor first)
 

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ID22 - Private wire transformer
ID14 - Main transformer

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**Table 5.6 Ranked sources: weekday night-time**


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 Weekday Night-time, Ranked Sources (Greatest contributor first)
 

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ID16 - Air cooled condenser
ID05 - Boiler house building
ID08 - Induced draft fans buildings
ID07b - Bag filter houses
ID18 - Water treatment plant
ID24 - Water recooling system (full load)
ID09 - Chimney outlets
ID17 - Turbine hall
ID02 - Tipping hall
ID13 - Compressed air station
ID07a - APC plant, silos and reactors
ID04 - Waste bunker
ID10 - Switchgear building
C - Exhaust Steam Pipe
ID21 - 132 kV switching compound
ID23 - Private wire switchgear compound
ID22 - Private wire transformer
ID14 - Main transformer

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### *Turbine bypass mode operation*

5.2.10 Predicted specific sound levels on weekdays and weekends at all Receptors within the Study Area are presented below in **Table 5.7** for the 'turbine bypass mode operation' scenario.



Table 5.7 Predicted specific sound levels, turbine bypass

R. ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB LAeq,T			EfW CHP Facility, Weekends, dB LAeq,T		
			Day	Eve	Night	Day	Eve	Night
R01	2 New Bridge Lane	GF	39	36	35	37	35	35
R01	2 New Bridge Lane	F 1	41	38	37	39	38	37
R02	9 New Bridge Lane	GF	54	47	46	50	46	46
R02	9 New Bridge Lane	F 1	54	48	47	50	47	47
R03	10 New Bridge Lane	GF	57	48	46	52	46	46
R04	Dwelling known as 'Potty Plants' off new Bridge Lane, north of A47	GF	44	40	40	41	40	40
R04	Dwelling known as 'Potty Plants' off new Bridge Lane, north of A47	F 1	45	41	41	42	41	41
R05	Newbridge Lane Caravan Park	GF	40	38	38	39	38	38
R06	Oakdale Place Park	GF	40	35	35	37	35	35
R07	The Chalet, New Drove	GF	45	43	43	44	43	43
R08	125 New Drove	GF	38	36	36	37	36	36
R08	125 New Drove	F 1	39	37	37	38	37	37
R09	93 South Brink	GF	33	29	29	30	29	29
R09	93 South Brink	F 1	35	31	30	33	31	30
R10	97 South Brink	GF	35	31	30	33	31	30
R10	97 South Brink	F 1	36	33	32	34	32	32
R11	25 Cromwell Road	GF	36	33	32	34	33	32
R11	25 Cromwell Road	F 1	38	34	34	36	34	34
R12	27 - 37 Cox Close	GF	35	32	31	34	32	31
R12	27 - 37 Cox Close	F 1	37	33	32	36	33	32
R13	23 Victory Road	GF	31	29	28	30	28	28
R13	23 Victory Road	F 1	33	30	29	31	30	29
R14	Bruce Close	GF	28	28	28	28	28	28
R14	Bruce Close	F 1	31	30	30	31	30	30
R15	50 – 60 Weasenham Lane	GF	29	28	27	28	28	27
R15	50 – 60 Weasenham Lane	F 1	31	29	29	30	29	29
R16	BJ Books Ltd, Algores Way	GF	65	60	56	64	60	56
R16	BJ Books Ltd, Algores Way	F 1	65	60	57	64	60	57
R17 (E)	DHL, 11 Salters Way	GF	52	47	46	48	46	46
R17 (E)	DHL, 11 Salters Way	F 1	52	47	47	49	47	47
R17 (S)	DHL, 11 Salters Way	GF	35	30	29	32	30	29
R17 (S)	DHL, 11 Salters Way	F 1	37	31	31	33	31	31
R18	Welbourns of Wisbech Ltd, 3 New Bridge Lane	GF	48	43	42	45	42	42
R18	Welbourns of Wisbech Ltd, 3 New Bridge Lane	F 1	49	44	44	46	44	44
R19	Kirk Coachworks, New Bridge Lane	GF	33	28	28	30	28	28
R19	Kirk Coachworks, New Bridge Lane	F 1	35	30	29	31	29	29
R20	Thurlow Nunn, 14 Cromwell Road	GF	37	33	33	35	33	33
R20	Thurlow Nunn, 14 Cromwell Road	F 1	39	35	34	37	35	34
R21	Tesco Filling Station, Cromwell Road	GF	36	34	33	35	34	33



R. ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB LAeq,T			EfW CHP Facility, Weekends, dB LAeq,T		
			Day	Eve	Night	Day	Eve	Night
R21	Tesco Filling Station, Cromwell Road	F 1	38	35	35	37	35	35
R22 (S)	James Mackle (UK) Ltd, Algores Way	GF	51	48	48	49	48	48
R22 (S)	James Mackle (UK) Ltd, Algores Way	F 1	53	50	50	51	50	50
R22 (W)	James Mackle (UK) Ltd, Algores Way	GF	61	59	58	60	59	58
R22 (W)	James Mackle (UK) Ltd, Algores Way	F 1	62	60	60	61	60	60
R23	Industrial Operation, Boleness Road	GF	49	48	47	48	47	47
R23	Industrial Operation, Boleness Road	F 1	51	49	49	50	49	49
R24	Fountain Frozen Ltd, Salters Way	GF	59	53	52	57	53	52
R24	Fountain Frozen Ltd, Salters Way	F 1	59	54	53	57	54	53
R25	The Anglia Community Eye Service Clinic, 32 Cromwell Road	GF	39	36	36	37	36	36
R25	The Anglia Community Eye Service Clinic, 32 Cromwell Road	F 1	41	38	37	39	37	37
R26	TBAP Unity Academy, Algores Way/Weasenham Lane	GF	34	33	33	34	33	33
R26	TBAP Unity Academy, Algores Way/Weasenham Lane	F 1	36	35	35	35	35	35
R27	Cambian Education Foundation Learning Centre, Anglia Way	GF	45	44	44	45	44	44
R27	Cambian Education Foundation Learning Centre, Anglia Way	F 1	47	46	46	46	46	46
R28	Thomas Clarkson Academy	GF	31	29	29	30	29	29
R28	Thomas Clarkson Academy	F 1	32	31	30	32	31	30
R29	64 Weasenham Lane	GF	33	32	31	32	32	31
R29	64 Weasenham Lane	F 1	35	34	33	35	34	33
R30	66 Weasenham Lane	GF	31	31	30	31	31	30
R30	66 Weasenham Lane	F 1	34	33	33	34	33	33
R38	25 Victory Road	GF	31	28	27	30	28	27
R38	25 Victory Road	F 1	32	29	29	31	29	29
R39	27 Victory Road	GF	31	28	27	29	28	27
R39	27 Victory Road	F 1	32	29	28	30	29	28
R50	21 Cromwell Road	GF	33	30	29	31	30	29
R50	21 Cromwell Road	F 1	34	31	30	33	31	30
R51	Floorspan Contracts, Unit 1, Europa Way	GF	58	54	52	56	54	52
R52	Hair World UK Ltd, Algores Way	F 1	58	55	54	58	55	54
R52	Hair World UK Ltd, Algores Way	GF	59	56	55	58	56	55
R53	The Builders Yard, rear of 9 New Bridge Lane	F 1	57	50	49	52	49	49

5.2.11

Comparison of the predicted specific sound levels presented for the 'normal operation' scenario, in **Table 5.3**, with the predicted specific sound levels during 'turbine bypass' mode operation, in **Table 5.7**, indicate that the greatest increase in predicted specific sound level at any Receptor, at any time of day, due to turbine



bypass mode operation is 1 dB. The majority of Receptor locations are predicted to experience no change in specific sound level during turbine bypass mode operation when compared with normal operation.



## 6. Noise Impact Assessment

### 6.1 Normal operation

- 6.1.1 As set out above in **Section 5**, the specific sound will not be tonal, impulsive or intermittent. It is therefore inappropriate to apply any rating penalties for tonality, impulsiveness or intermittency. As set out in the baseline monitoring report in **Annex B**, the residual acoustic environment at the nearest Receptors tends to be dominated by industrial and commercial sound, from numerous industrial and commercial sources. As such, rating penalties have only been applied for 'other sound characteristics' where the predicted specific sound level equals or exceeds the residual sound level, indicating that the specific sound could be readily distinguishable in the residual acoustic environment.
- 6.1.2 The structure of the assessment section is as follows. Firstly, the initial estimates of impact for weekdays and weekends are presented. The initial estimates of impact are followed by: consideration of context and determination of significance for weekdays, then by consideration of context and determination of significance for weekends. A summary is provided setting out the results of the initial estimates and any modifications to the results of the initial estimates required following consideration of context.

#### Initial estimates of impact

- 6.1.3 Predicted specific sound levels have been compared with the representative baseline sound levels for those Receptors closest to the EfW CHP Facility in the BS 4142:2014+A1:2019 initial estimates of impact. With the exception of the Cambian Wisbech School (R27), all Receptors are residential. **Table 6.1 BS 4142:2014 Assessment (normal operation): initial estimate of impact: weekdays** and **Table 6.2 BS 4142:2014 Assessment (normal operation): initial estimate of impact: weekends** show the results of the BS 4142:2014 initial estimates of impact for the weekdays and weekends, respectively.

**Table 6.1 BS 4142:2014 Assessment (normal operation): initial estimate of impact: weekdays**

Location	Background Sound Level, dB LA90,T	Residual Sound Level, dB LAeq,T	Specific Sound Level, dB Ls	Rating Penalty, dB	Rating Level, dB LAr,Tr	Rating minus Background, dB	Level
Day							
R1	44	54	41	0	41	-3	
R2	49	54	54	+3	57	+8	
R3	49	54	57	+3	60	+11	
R4	54	62	45	0	45	-9	
R5	54	62	39	0	39	-15	
R6	54	62	40	0	40	-14	



Location	Background Sound Level, dB LA90,T	Residual Sound Level, dB LAeq,T	Specific Sound Level, dB Ls	Rating Penalty, dB	Rating Level, LAr,Tr	Rating minus Background, dB	Level
R7	53	56	44	0	44	-9	
R8	46	48	39	0	39	-7	
R9	44	54	35	0	35	-9	
R10	44	54	36	0	36	-8	
R27	48	58	46	0	46	-2	
Evening							
R1	44	50	38	0	38	-6	
R2	46	50	48	0	48	+2	
R3	46	50	48	0	48	+2	
R4	42	58	41	0	41	-1	
R5	42	58	38	0	38	-4	
R6	42	58	35	0	35	-7	
R7	52	55	42	0	42	-10	
R8	45	48	36	0	36	-9	
R9	44	50	31	0	31	-13	
R10	44	50	33	0	33	-11	
R27	48	54	45	0	45	-3	
Night							
R1	43	48	37	0	37	-6	
R2	43	51	47	0	47	+4	
R3	43	51	46	0	46	+3	
R4	39	55	41	0	41	+2	
R5	39	55	38	0	38	-1	
R6	39	55	35	0	35	-4	
R7	52	54	42	0	42	-10	
R8	45	46	36	0	36	-9	
R9	43	48	30	0	30	-13	
R10	43	48	32	0	32	-11	
R27	43	57	45	0	45	+2	

6.1.4 With reference to **Table 6.1 BS 4142:2014 Assessment (normal operation): initial estimate of impact: weekdays**, the results of the initial estimate indicate that significant adverse impacts could occur at R2 and R3 during weekday daytimes and adverse impacts could occur at R2 and R3 during weekday night-times. At all other locations, during all periods of the day, predicted rating levels are between +2 dB above and -15 dB below background sound levels, indicating below adverse to low impacts. All impacts indicated by the initial estimate of impact on weekdays are considered further under the heading '**Consideration of context - weekdays**'.





**Table 6.2 BS 4142:2014 Assessment (normal operation): initial estimate of impact: weekends**

Location	Background Sound Level, dB L <sub>A90,T</sub>	Residual Sound Level, dB L <sub>Aeq,T</sub>	Specific Sound Level, dB L <sub>s</sub>	Rating Penalty, dB	Rating Level, dB L <sub>Ar,Tr</sub>	Rating Level minus Background, dB
Day						
R1	40	50	39	0	39	-1
R2	48	52	50	0	50	+2
R3	48	52	52	+3	55	+7
R4	51	59	42	0	42	-9
R5	51	59	38	0	38	-13
R6	51	59	36	0	36	-15
R7	50	53	44	0	44	-6
R8	43	45	38	0	38	-5
R9	40	50	33	0	33	-7
R10	40	50	34	0	34	-6
R27	48	58	46	0	46	-2
Evening						
R1	38	46	37	0	37	-1
R2	45	48	47	0	47	+2
R3	45	48	46	0	46	+1
R4	43	55	41	0	41	-2
R5	43	55	38	0	38	-5
R6	43	55	35	0	35	-8
R7	52	52	42	0	42	-10
R8	45	45	36	0	36	-9
R9	38	46	31	0	31	-7
R10	38	46	32	0	32	-6
R27	48	54	45	0	45	-3
Night						
R1	35	42	37	0	37	+2
R2	45	50	47	0	47	+2
R3	45	50	46	0	46	+1
R4	40	52	41	0	41	+1
R5	40	52	38	0	38	-2
R6	40	52	35	0	35	-5
R7	52	51	42	0	42	-10
R8	45	43	36	0	36	-9
R9	35	42	30	0	30	-5
R10	35	42	32	0	32	-3
R27	43	57	45	0	45	+2



6.1.5 With reference to **Table 6.2 BS 4142:2014 Assessment (normal operation): initial estimate of impact: weekends**, the results of the initial estimate indicate that adverse impacts could occur at R3 during weekend daytimes. At all other locations, during all periods of the day, predicted rating levels are between +2 dB above and -15 dB below background sound levels, indicating below adverse to low impacts. All impacts indicated by the initial estimate of impact on weekends are considered further under the heading '**Consideration of context - weekends**'.

### Consideration of context - weekdays

6.1.6 To contextualise the impacts indicated by the initial estimate of impact during weekdays, predicted increases of ambient sound levels at each Receptor have been calculated. These are shown below in **Table 6.3 Noise Change Calculation: Weekdays**.

**Table 6.3 Noise Change Calculation (normal operation): Weekdays**

Location	Residual Level, dB L <sub>Aeq,T</sub>	Sound Specific Level, dB L <sub>s</sub>	Sound Ambient Level, dB	Noise Change, dB
Day				
R1	54	41	54	0
R2	54	54	57	+3
R3	54	57	59	+5
R4	62	45	62	0
R5	62	39	62	0
R6	62	40	62	0
R7	56	44	56	0
R8	48	39	49	+1
R9	54	35	54	0
R10	54	36	54	0
R27	58	46	58	0
Evening				
R1	50	38	50	0
R2	50	48	52	+2
R3	50	48	52	+2
R4	58	41	58	0
R5	58	38	58	0
R6	58	35	58	0
R7	55	42	56	+1
R8	48	36	48	0
R9	50	31	50	0
R10	50	33	50	0
R27	54	45	55	+1
Night				



Location	Residual Level, dB $L_{Aeq,T}$	Sound Specific Level, dB $L_s$	Sound Ambient Level, dB	Noise Change, dB
R1	48	37	48	0
R2	51	47	52	+1
R3	51	46	52	+1
R4	55	41	55	0
R5	55	38	55	0
R6	55	35	55	0
R7	54	42	54	0
R8	46	36	47	+1
R9	48	30	48	0
R10	48	32	48	0
R27	57	45	57	0

6.1.7 With reference to the predicted ambient noise changes during weekdays presented above in **Table 6.3 Noise Change Calculation: Weekdays** the majority of locations are not predicted to experience any notable increase in ambient sound levels. It is noted that, at all locations where ambient sound levels are predicted to increase, the residual acoustic environments already contain a significant component of industrial and commercial sound, that tends to be continuous and broadband in character (except at R7 and R8 where there is also a significant low frequency component to the residual sound).

6.1.8 On the basis of the above, where ambient sound levels are predicted to increase, it is considered that the specific sound and residual sound are of similar character. Therefore, considerations regarding the perceptibility of changes in sound level for sources which are similar character, in **paragraph 4.4.4**, are valid and applicable.

6.1.9 With reference to **Table 6.3 Noise Change Calculation: Weekdays** and **Table 4.2 Magnitude of impact due to ambient noise change**, the outcomes of the noise change assessment, in terms of increases in total ambient sound levels, are listed below:

- Ambient noise increases of +3 dB and +5 dB at R2 and R3, respectively, during daytimes indicate an impact of medium magnitude.
- Ambient noise increases of +1 dB and +2 dB (at R8 during the daytime; R2, R3, R7 and R27 during the evening; and at R2, R3 and R8 during the night-time) indicate impacts of low magnitude.
- Ambient noise increases of 0 dB at all other Receptors indicate impacts of negligible magnitude.

6.1.10 In consideration of the absolute sound levels it is considered that the total ambient sound level at R2 and R3 during the daytime could have the potential to give rise to adverse impacts. Total ambient sound levels at all other locations where ambient noise increases are predicted are considered unlikely to give rise to adverse impacts.



## Determination of significance - weekdays

6.1.11 Based on the above, and with reference to the results of the initial estimate of impact during weekdays presented in **Table 6.1 BS 4142:2014 Assessment (normal operation): initial estimate of impact: weekdays**, it is considered that the result of the initial estimate of impact is correct for R2 and R3 during the daytime, and that significant adverse impacts are confirmed. However, based on consideration of context, it is considered that the adverse impacts identified in the initial estimate at R2 and R3 during the night-time are unlikely. Therefore, the results of the initial estimate of impact at R2 and R3 during the night-time are modified from 'adverse impact' to 'low impact'. It is considered that, during weekdays, low to negligible impacts are confirmed at all other locations in all periods of the day.

## Consideration of context - weekends

6.1.12 To contextualise the impacts indicated by the initial estimate of impact during weekends, predicted increases of ambient sound levels at each Receptor have been calculated. These are shown below in **Table 6.4 Noise Change Calculation (normal operation): Weekends**.

**Table 6.4 Noise Change Calculation (normal operation): Weekends**

Location	Residual Sound Level, dB $L_{Aeq,T}$	Specific Sound Level, dB $L_s$	Ambient Sound Level, dB	Noise Change, dB
Day				
R1	50	39	50	0
R2	52	50	54	+2
R3	52	52	55	+3
R4	59	42	59	0
R5	59	38	59	0
R6	59	36	59	0
R7	53	44	54	+1
R8	45	38	46	+1
R9	50	33	50	0
R10	50	34	50	0
R27	58	46	58	0
Evening				
R1	46	37	47	+1
R2	48	47	50	+2
R3	48	46	50	+2
R4	55	41	55	0
R5	55	38	55	0
R6	55	35	55	0
R7	52	42	53	+1
R8	45	36	45	0



Location	Residual Level, dB $L_{Aeq,T}$	Sound Specific Level, dB $L_s$	Sound Ambient Level, dB	Noise Change, dB
R9	46	31	46	0
R10	46	32	46	0
R27	54	45	55	+1
Night				
R1	42	37	43	+1
R2	50	47	52	+2
R3	50	46	51	+1
R4	52	41	52	0
R5	52	38	52	0
R6	52	35	52	0
R7	51	42	52	+1
R8	43	36	44	+1
R9	42	30	42	0
R10	42	32	42	0
R27	57	45	57	0

6.1.13 With reference to the predicted ambient noise changes during weekends presented above in **Table 6.4 Noise Change Calculation (normal operation): Weekends** the majority of locations are not predicted to experience any notable increase in ambient sound levels. It is noted that, at all locations where ambient sound levels are predicted to increase, the residual acoustic environments already contain a significant component of industrial and commercial sound, that tends to be continuous and broadband in character (except at R7 and R8 where there is also a significant low frequency component to the residual sound).

6.1.14 On the basis of the above, where ambient sound levels are predicted to increase, it is considered that the specific sound and residual sound are of similar character. Therefore, considerations regarding the perceptibility of changes in sound level for sources which are similar character, in **paragraph 4.4.4**, are valid and applicable.

6.1.15 With reference to **Table 6.4 Noise Change Calculation (normal operation): Weekends** and **Table 4.2 Magnitude of impact due to ambient noise change**, the outcomes of the noise change assessment, in terms of increases in total ambient sound levels, are listed below:

- Ambient noise increases of +3 dB at R3 during daytimes indicates an impact of medium magnitude.
- Ambient noise increases of +1 dB and +2 dB (at R2, R7 and R8 during the daytime; R1, R2, R3, R7 and R27 during the evening; and at R1, R2, R3, R7 and R8 during the night-time) indicate impacts of low magnitude.
- Ambient noise increases of 0 dB at all other Receptors indicate impacts of negligible magnitude.



- 6.1.16 In consideration of the absolute sound levels it is considered that the predicted total ambient sound levels at all assessment locations are unlikely to give rise to adverse impacts.

### Determination of significance - weekends

- 6.1.17 Based on the above, and with reference to the results of the initial estimate of impact during weekends presented in **Table 6.2 BS 4142:2014 Assessment (normal operation): initial estimate of impact: weekends**, it is considered that the result of the initial estimate of impact is correct for R3 during the daytime, and that adverse impacts are confirmed. Consideration of context also supports the results of the initial estimate at all times at all other locations.

### Summary

- 6.1.18 The results of the initial estimate of impact during weekdays indicated that significant adverse impacts could occur at R2 and R3 during daytimes and adverse impacts could occur at R2 and R3 during night-times. At all other locations and times of day on weekdays the initial estimate indicated below adverse to low impacts.
- 6.1.19 The results of the initial estimate of impact during weekends indicated that adverse impacts could occur at R3 during daytimes. At all other locations and times of day on weekends the initial estimate indicated below adverse to low impacts.
- 6.1.20 Consideration of context generally supported the results of the initial estimates. However, consideration of context indicated that adverse impacts identified in the initial estimate at R2 and R3 during weekday night-times are unlikely. The results of the initial estimate for R2 and R3 during weekday night-times was therefore modified to reflect the findings of the consideration of context, and the adverse impacts identified were modified to low impacts.
- 6.1.21 Based on the above, the results of the BS 4142 assessment of sound arising during normal operation are summarised below:
- Significant adverse impacts are likely at R2 and R3 during weekday daytimes;
  - Adverse impacts are likely at R3 during weekend daytimes;
  - Below adverse impacts are likely at R2 and R3 on all other days, at all other times day; and
  - Below adverse impacts are likely at all times at all other assessment locations.

## 6.2 Start-up, maintenance, abnormal and emergency conditions

- 6.2.1 Variations in operational noise levels are likely to occur during start-up, abnormal and emergency operating conditions. Such conditions would be short-term and temporary.
- 6.2.2 There would be occasional noise sources that are active during start-up, abnormal or emergency conditions which do not form part of the normal operational noise. These sources primarily consist of steam venting and increased noise from the exhaust steam ducting to the ACC when it is necessary to bypass the turbine. Steam



vents will be fitted with silencers to reduce noise emissions when venting occurs. Specific sound levels during turbine bypass mode have been predicted and are presented and discussed below.

- 6.2.3 It is difficult to predict the frequency of occurrence and duration of steam venting operations. However, these will tend to be of limited duration and would only occur under certain conditions. Individual steam releases may result in slight increases in audible noise from the EfW CHP Facility, but it is most unlikely that this would be of a level and duration that would give rise to any additional impacts beyond those identified in the assessment of operational noise, as steam vents will be fitted with silencers that will appropriately attenuate noise emissions from steam venting.
- 6.2.4 In emergency conditions, the primary focus must be the health and safety of personnel at the EfW CHP Facility and avoiding damage to any operational plant, and in any case, this will be controlled and maintained in accordance with the EP.

### Turbine bypass mode operation

- 6.2.5 Use of the turbine bypass mode operations can typically range from 1 day to up to 3 weeks during turbine outages. Predictions of operational noise levels during turbine bypass mode operations have been undertaken based on the source levels as detailed in **Annex D** at the nearest Receptors. The results of the predictions indicate that specific sound levels may increase by 1 dB at the following Receptors:
- R1 during weekend evenings;
  - R5 during weekend evenings; and
  - R7, R8 and R27 during all times of day on weekends and weekdays.
- 6.2.6 Increases of less than 1 dB are predicted at the other nearest Receptors during all times of day on weekdays and weekends.
- 6.2.7 Note that the increases in specific sound levels outlined above are based on a comparison of the model results before rounding, and that the same increases may not be observed in all cases in the assessment below, where rating minus background sound level differences are calculated based on whole decibel values rounded to zero decimal places.
- 6.2.8 Assessment of the predicted specific sound levels indicates that the assessment outcomes are identical for both turbine bypass mode operation and normal operation, despite the 1 dB increases in specific sound levels outlined above. The full BS 4142:2014+A1:2019 assessment of turbine bypass mode operation is provided below.

### Initial estimates of impact

- 6.2.9 Predicted specific sound levels have been compared with the representative baseline sound levels for those Receptors closest to the EfW CHP Facility in the BS 4142:2014+A1:2019 initial estimates of impact. With the exception of the Cambian Wisbech School (R27), all Receptors are residential. **Table 6.5 BS 4142:2014 Assessment (turbine bypass mode operation): initial estimate of impact: weekdays** and **Table 6.6 BS 4142:2014 Assessment turbine bypass**



mode operation): initial estimate of impact: weekends show the results of the BS 4142:2014 initial estimates of impact for the weekdays and weekends, respectively.

**Table 6.5 BS 4142:2014 Assessment (turbine bypass mode operation): initial estimate of impact: weekdays**

Location	Background Sound Level, dB LA90,T	Residual Sound Level, dB LAeq,T	Specific Sound Level, dB Ls	Rating Penalty, dB	Rating Level, dB LAr,Tr	Rating minus Background, dB	Level
Day							
R1	44	54	41	0	41	-3	
R2	49	54	54	+3	57	+8	
R3	49	54	57	+3	60	+11	
R4	54	62	45	0	45	-9	
R5	54	62	40	0	40	-14	
R6	54	62	40	0	40	-14	
R7	53	56	45	0	45	-8	
R8	46	48	39	0	39	-7	
R9	44	54	35	0	35	-9	
R10	44	54	36	0	36	-8	
R27	48	58	47	0	47	-1	
Evening							
R1	44	50	38	0	38	-6	
R2	46	50	48	0	48	+2	
R3	46	50	48	0	48	+2	
R4	42	58	41	0	41	-1	
R5	42	58	38	0	38	-4	
R6	42	58	35	0	35	-7	
R7	52	55	43	0	43	-9	
R8	45	48	37	0	37	-8	
R9	44	50	31	0	31	-13	
R10	44	50	33	0	33	-11	
R27	48	54	46	0	46	-2	
Night							
R1	43	48	37	0	37	-6	
R2	43	51	47	0	47	+4	
R3	43	51	46	0	46	+3	
R4	39	55	41	0	41	+2	
R5	39	55	38	0	38	-1	
R6	39	55	35	0	35	-4	
R7	52	54	43	0	43	-9	
R8	45	46	37	0	37	-8	





Location	Background Sound Level, dB LA90,T	Residual Sound Level, dB LAeq,T	Specific Sound Level, dB Ls	Rating Penalty, dB	Rating Level, dB LAr,Tr	Rating Level minus Background, dB	Level
R9	43	48	30	0	30	-13	
R10	43	48	32	0	32	-11	
R27	43	57	46	0	46	+3	

6.2.10 With reference to **Table 6.5 BS 4142:2014 Assessment (turbine bypass mode operation): initial estimate of impact: weekdays**, the results of the initial estimate indicate that significant adverse impacts could occur at R2 and R3 during weekday daytimes and adverse impacts could occur at R2, R3 and R27 during weekday night-times. At all other locations, during all periods of the day, predicted rating levels are between +2 dB above and -14 dB below background sound levels, indicating below adverse to low impacts. All impacts indicated by the initial estimate of impact on weekdays are considered further under the heading ‘**Consideration of context - weekdays**’.

**Table 6.6 BS 4142:2014 Assessment (turbine bypass mode operation): initial estimate of impact: weekends**

Location	Background Sound Level, dB LA90,T	Residual Sound Level, dB LAeq,T	Specific Sound Level, dB Ls	Rating Penalty, dB	Rating Level, dB LAr,Tr	Rating Level minus Background, dB	Level
Day							
R1	40	50	39	0	39	-1	
R2	48	52	50	0	50	+2	
R3	48	52	52	+3	55	+7	
R4	51	59	42	0	42	-9	
R5	51	59	39	0	39	-12	
R6	51	59	37	0	37	-14	
R7	50	53	44	0	44	-6	
R8	43	45	38	0	38	-5	
R9	40	50	33	0	33	-7	
R10	40	50	34	0	34	-6	
R27	48	58	46	0	46	-2	
Evening							
R1	38	46	38	0	38	0	
R2	45	48	47	0	47	+2	
R3	45	48	46	0	46	+1	
R4	43	55	41	0	41	-2	
R5	43	55	38	0	38	-5	
R6	43	55	35	0	35	-8	
R7	52	52	43	0	43	-9	
R8	45	45	37	0	37	-8	



Location	Background Sound Level, dB L <sub>A90,T</sub>	Residual Sound Level, dB L <sub>Aeq,T</sub>	Specific Sound Level, dB L <sub>s</sub>	Rating Penalty, dB	Rating Level, dB L <sub>Ar,Tr</sub>	Rating Level minus Background, dB
R9	38	46	31	0	31	-7
R10	38	46	32	0	32	-6
R27	48	54	46	0	46	-2
Night						
R1	35	42	37	0	37	+2
R2	45	50	47	0	47	+2
R3	45	50	46	0	46	+1
R4	40	52	41	0	41	+1
R5	40	52	38	0	38	-2
R6	40	52	35	0	35	-5
R7	52	51	43	0	43	-9
R8	45	43	37	0	37	-8
R9	35	42	30	0	30	-5
R10	35	42	32	0	32	-3
R27	43	57	46	0	46	+3

6.2.11 With reference to **Table 6.6 BS 4142:2014 Assessment turbine bypass mode operation): initial estimate of impact: weekends**, the results of the initial estimate indicate that adverse impacts could occur at R3 during weekend daytimes and at R27 during weekend night-times. At all other locations, during all periods of the day, predicted rating levels are between +2 dB above and -14 dB below background sound levels, indicating below adverse to low impacts. All impacts indicated by the initial estimate of impact on weekends are considered further under the heading '**Consideration of context - weekends**'.

### *Consideration of context - weekdays*

6.2.12 To contextualise the impacts indicated by the initial estimate of impact during weekdays, predicted increases of ambient sound levels at each Receptor have been calculated. These are shown below in **Table 6.7 Noise Change Calculation (turbine bypass mode operation): Weekdays**.

**Table 6.7 Noise Change Calculation (turbine bypass mode operation): Weekdays**

Location	Residual Sound Level, dB L <sub>Aeq,T</sub>	Specific Sound Level, dB L <sub>s</sub>	Sound Ambient Level, dB	Noise Change, dB
Day				
R1	54	41	54	0
R2	54	54	57	+3
R3	54	57	59	+5
R4	62	45	62	0



Location	Residual Level, dB $L_{Aeq,T}$	Sound Specific Level, dB $L_s$	Sound Ambient Level, dB	Noise Change, dB
R5	62	40	62	0
R6	62	40	62	0
R7	56	45	56	0
R8	48	39	49	+1
R9	54	35	54	0
R10	54	36	54	0
R27	58	47	58	0
Evening				
R1	50	38	50	0
R2	50	48	52	+2
R3	50	48	52	+2
R4	58	41	58	0
R5	58	38	58	0
R6	58	35	58	0
R7	55	43	56	+1
R8	48	37	48	0
R9	50	31	50	0
R10	50	33	50	0
R27	54	46	55	+1
Night				
R1	48	37	48	0
R2	51	47	52	+1
R3	51	46	52	+1
R4	55	41	55	0
R5	55	38	55	0
R6	55	35	55	0
R7	54	43	54	0
R8	46	37	47	+1
R9	48	30	48	0
R10	48	32	48	0
R27	57	46	57	0

6.2.13

With reference to the predicted ambient noise changes during weekdays presented above in **Table 6.7 Noise Change Calculation (turbine bypass mode operation): Weekdays** the majority of locations are not predicted to experience any notable increase in ambient sound levels. It is noted that, at all locations where ambient sound levels are predicted to increase, the residual acoustic environments already contain a significant component of industrial and commercial sound, that tends to be continuous and broadband in character (except at R7 and R8 where there is also a significant low frequency component to the residual sound).



6.2.14 On the basis of the above, where ambient sound levels are predicted to increase, it is considered that the specific sound and residual sound are of similar character. Therefore, considerations regarding the perceptibility of changes in sound level for sources which are similar character, in **paragraph 4.4.4**, are valid and applicable.

6.2.15 With reference to **Table 6.7 Noise Change Calculation (turbine bypass mode operation): Weekdays** and **Table 4.2 Magnitude of impact due to ambient noise change**, the outcomes of the noise change assessment, in terms of increases in total ambient sound levels, are listed below:

- Ambient noise increases of +3 dB and +5 dB at R2 and R3, respectively, during daytimes indicate an impact of medium magnitude.
- Ambient noise increases of +1 dB and +2 dB (at R8 during the daytime; R2, R3, R7 and R27 during the evening; and at R2, R3 and R8 during the night-time) indicate impacts of low magnitude.
- Ambient noise increases of 0 dB at all other Receptors indicate impacts of negligible magnitude.

6.2.16 In consideration of the absolute sound levels it is considered that the total ambient sound level at R2 and R3 during the daytime could have the potential to give rise to adverse impacts. Total ambient sound levels at all other locations where ambient noise increases are predicted are considered unlikely to give rise to adverse impacts.

### *Determination of significance - weekdays*

6.2.17 Based on the above, and with reference to the results of the initial estimate of impact during weekdays presented in **Table 6.5 BS 4142:2014 Assessment (turbine bypass mode operation): initial estimate of impact: weekdays**, it is considered that the result of the initial estimate of impact is correct for R2 and R3 during the daytime, and that significant adverse impacts are confirmed. However, based on consideration of context, it is considered that the adverse impacts identified in the initial estimate at R2, R3 and R27 during the night-time are unlikely. It is also noted that R27 is a school and is therefore not typically noise sensitive during night-time hours. Therefore, the results of the initial estimate of impact at R2, R3 and R27 during the night-time are modified from 'adverse impact' to 'low impact'. It is considered that, during weekdays, consideration of context supports the results of the initial estimate where low impacts were identified and that low impacts are confirmed at all other locations in all periods of the day.

### *Consideration of context - weekends*

6.2.18 To contextualise the impacts indicated by the initial estimate of impact during weekends, predicted increases of ambient sound levels at each Receptor have been calculated. These are shown below in **Table 6.8 Noise Change Calculation (turbine bypass mode operation): Weekends**.


**Table 6.8 Noise Change Calculation (turbine bypass mode operation): Weekends**

Location	Residual Level, dB $L_{Aeq,T}$	Sound Specific Level, dB $L_s$	Sound Ambient Level, dB	Noise Change, dB
<b>Day</b>				
R1	50	39	50	0
R2	52	50	54	+2
R3	52	52	55	+3
R4	59	42	59	0
R5	59	39	59	0
R6	59	37	59	0
R7	53	44	54	+1
R8	45	38	46	+1
R9	50	33	50	0
R10	50	34	50	0
R27	58	46	58	0
<b>Evening</b>				
R1	46	38	47	+1
R2	48	47	51	+3
R3	48	46	50	+2
R4	55	41	55	0
R5	55	38	55	0
R6	55	35	55	0
R7	52	43	53	+1
R8	45	37	45	0
R9	46	31	46	0
R10	46	32	46	0
R27	54	46	55	+1
<b>Night</b>				
R1	42	37	43	+1
R2	50	47	52	+2
R3	50	46	51	+1
R4	52	41	52	0
R5	52	38	52	0
R6	52	35	52	0
R7	51	43	52	+1
R8	43	37	44	+1
R9	42	30	42	0
R10	42	32	42	0
R27	57	46	57	0



- 6.2.19 With reference to the predicted ambient noise changes during weekends presented above in **Table 6.8 Noise Change Calculation (turbine bypass mode operation): Weekends** the majority of locations are not predicted to experience any notable increase in ambient sound levels. It is noted that, at all locations where ambient sound levels are predicted to increase, the residual acoustic environments already contain a significant component of industrial and commercial sound, that tends to be continuous and broadband in character (except at R7 and R8 where there is also a significant low frequency component to the residual sound).
- 6.2.20 On the basis of the above, where ambient sound levels are predicted to increase, it is considered that the specific sound and residual sound are of similar character. Therefore, considerations regarding the perceptibility of changes in sound level for sources which are similar character, in **paragraph 4.4.4**, are valid and applicable.
- 6.2.21 With reference to **Table 6.8 Noise Change Calculation (turbine bypass mode operation): Weekends** and **Table 4.2 Magnitude of impact due to ambient noise change**, the outcomes of the noise change assessment, in terms of increases in total ambient sound levels, are listed below:
- Ambient noise increases of +3 dB at R3 during daytimes and at R2 during the evening indicate impacts of medium magnitude.
  - Ambient noise increases of +1 dB and +2 dB (at R2, R7 and R8 during the daytime; R1, R3, R7 and R27 during the evening; and at R1, R2, R3, R7 and R8 during the night-time) indicate impacts of low magnitude.
  - Ambient noise increases of 0 dB at all other Receptors indicate impacts of negligible magnitude.
- 6.2.22 In consideration of the absolute sound levels it is considered that the predicted total ambient sound levels at all assessment locations are unlikely to give rise to adverse impacts.

### *Determination of significance - weekends*

- 6.2.23 Based on the above, and with reference to the results of the initial estimate of impact during weekends presented in **Table 6.6 BS 4142:2014 Assessment turbine bypass mode operation): initial estimate of impact: weekends**, it is considered that the result of the initial estimate of impact is correct for R3 during the daytime, and that adverse impacts are confirmed. However, consideration of context indicates that night-time adverse impacts time indicated by the initial estimate at R27 are unlikely. It is therefore considered appropriate to modify the night-time 'adverse impact' identified in the initial estimate at R27 to a 'low impact'. It is also noted that R27 is a school and is therefore not typically noise sensitive during weekends or night-time hours. It is considered that, during weekends, consideration of context supports the results of the initial estimate where low impacts were identified and that low impacts are confirmed at all other locations in all periods of the day.

### *Summary*

- 6.2.24 The results of the initial estimate of impact during weekdays indicated that significant adverse impacts could occur at R2 and R3 during daytimes and adverse impacts



could occur at R2, R3 and R27 during night-times. At all other locations and times of day on weekdays the initial estimate indicated below adverse to low impacts.

6.2.25 The results of the initial estimate of impact during weekends indicated that adverse impacts could occur at R3 during daytimes and at R27 during night-times. At all other locations and times of day on weekends the initial estimate indicated below adverse to low impacts.

6.2.26 Consideration of context generally supported the results of the initial estimates. However, consideration of context indicated that adverse impacts identified in the initial estimate at R2, R3 and R27 during weekday night-times, and at R27 during weekend night-times, are unlikely. The results of the initial estimates for these Receptors and time periods were therefore modified to reflect the findings of the consideration of context, and the adverse impacts identified were modified to low impacts.

6.2.27 Based on the above, the results of the BS 4142 assessment of operational sound arising during turbine bypass mode operations are summarised below:

- Significant adverse impacts are likely at R2 and R3 during weekday daytimes;
- Adverse impacts are likely at R3 during weekend daytimes;
- Below adverse to low impacts are likely at R2 and R3 on all other days, at all other times day; and
- Below adverse to low impacts are likely at all times at all other assessment locations.



## 7. Noise control

7.1.1 The BS 4142 assessments presented above in **Section 6** identified a number of significant adverse and adverse impacts at R2 and R3 in both normal operation and turbine bypass mode of operation. No adverse impacts were identified at any other Receptor location in either mode of operation.

### 7.2 R2 (9 New Bridge Lane)

7.2.1 In addition to the operational impacts identified at R2 in **Section 6**, significant adverse impacts due to construction noise were also identified at R2 at various stages of the construction programme in the EIA presented in the ES.

7.2.2 Since submitting the DCO Application to PINS, in July 2022, the Applicant completed the purchase of 9 New Bridge Lane. The property is unoccupied and will be removed from residential use.

7.2.3 Therefore, the removal of 9 New Bridge Lane (R2) as a sensitive Receptor will ensure significant effects are avoided during both construction and operational phases. Therefore, any significant effects identified at 9 New Bridge Lane will not occur and there would be no residual effects at this Receptor.

### 7.3 R3 (10 New Bridge Lane)

7.3.1 For R3, the results of the BS 4142 assessments presented above in **Section 6** were as follows for both normal and turbine bypass modes of operation:

- Significant adverse impacts during weekday daytimes;
- Adverse impacts during weekend daytimes; and
- Below adverse to low impacts at all other times.

7.3.2 The most dominant source indicated by the source contributions provided in **Table 5.4 Ranked sources: weekday daytime** is the same for R3 during daytimes: HGV movements. The contribution from HGV movements at R3 during daytimes is significantly above the contribution from all other sources, and was therefore targeted as the prime source to be attenuated by any mitigation measures. For information, the source contributions at R3 during normal operation in the daytime are provided below in **Table 7.1**.

**Table 7.1 Ranked sources: Weekday daytimes**

Weekday Daytime, Ranked Sources (Greatest contributor first)	Predicted Sound Level at R3, dB LAeq,T
A - HGVs	57





Weekday Daytime, Ranked Sources (Greatest contributor first)	Predicted Sound Level at R3, dB L <sub>Aeq,T</sub>
ID05 - Boiler house building	41
ID08 - Induced draft fans buildings	38
ID18 - Water treatment plant	37
ID24 - Water recooling system (full load)	37
ID07b - Bag filter houses	36
ID16 - Air cooled condenser	35
ID09 - Chimney outlets	33
ID17 - Turbine hall	30
ID10 - Switchgear building	29
B - Loader (external movements)	26
ID02 - Tipping hall	25
ID21 - 132 kV switching compound	24
ID07a - APC plant, silos and reactors	24
ID04 - Waste bunker	24
ID23 - Private wire switchgear compound	20
C - Exhaust Steam Pipe	19
ID13 - Compressed air station	18
ID22 - Private wire transformer	17
ID14 - Main transformer	16

7.3.3 The results in **Table 7.1** confirm that HGV movements are the dominant source at R3. Calculations indicate that the contribution from HGV movements are predicted to be around 11 dB greater than all other sources combined at R3.

7.3.4 As there is no practical method to reduce the sound level from HGV movements at the source (as the nature of the size and type of vehicles is outside of the control of the Applicant, and a facility of this type typically requires all deliveries and export to be via HGV, and New Bridge Lane has been selected as the preferred route for



HGVs to access the site), an acoustic fence is proposed to reduce received specific sound levels at R3, and hence reduce the severity of the adverse impacts identified.

- 7.3.5 It is considered that implementing an acoustic fence would be a cost effective and available technique. In addition to the operational impacts identified at R3 in **Section 6**, significant adverse impacts due to construction noise were also identified at R3 at various stages of the construction programme (as early as Month 2) in the EIA presented in the ES. As such, construction of the acoustic fence is proposed at the beginning, or in the very early stages, of the construction programme. The provision of the acoustic fence, including provision of full design details, will be secured through a DCO Requirement. The acoustic fence will therefore be in-situ at the time that commissioning and normal operation of the EfW CHP Facility will commence.
- 7.3.6 An investigation into the attenuations that may be provided by a barrier either to the boundary of the property at R3, or near the southern carriageway edge of New Bridge Lane, indicated that an acoustic barrier to the property boundary would achieve the greatest attenuation.
- 7.3.7 Therefore, the proposed acoustic fence to the property boundary of R3 was progressed and investigated further. The outline design for the acoustic fence is a fence of approximately 49m length and 3m height. The fence should have no gaps and have a minimum surface mass of 10kg/m<sup>2</sup>. Solid automated doors will be provided for the vehicular access to the property and, if required, solid doors will also be provided to the access to the field to the west of the property. The doors should be designed to minimise gaps as far as reasonably practicable. The provision of the acoustic fence, including provision of full design details, will be secured through a DCO Requirement. The location and extent of the proposed acoustic fence is shown in **Figure 5.1 Proposed acoustic fence to 10 New Bridge Lane** of the **Operational Noise Management Plan (Annex E)**. The attenuation predicted to be achieved by the proposed acoustic fence is indicated below in **Table 7.2**.

**Table 7.2 Predicted performance of proposed acoustic fence to 10 New Bridge Lane**

Time Period/ Operating Mode	Predicted Specific Sound Level, dB L <sub>s</sub>		Attenuation achieved with acoustic fence, dB
	Without acoustic fence	With acoustic fence	
<b>Normal operation, weekdays</b>			
Daytime	57	51	-6
Evening	48	45	-4
Night-time	46	44	-3
<b>Turbine bypass operation, weekdays</b>			
Daytime	57	51	-6
Evening	48	45	-3



Time Period/ Operating Mode	Predicted Specific Sound Level, dB L <sub>s</sub>		Attenuation achieved with acoustic fence, dB
	Without acoustic fence	With acoustic fence	
Night-time	46	44	-2

- 7.3.8 The results in **Table 7.2** indicate that, during the daytime, when adverse impacts are predicted to occur, specific sound levels are predicted to be attenuated by 6 dB. On the basis of the predicted specific sound levels presented above, the BS 4142 assessment of the 'with acoustic fence' scenario is presented below.
- 7.3.9 Note that specific sound levels are predicted to be identical at R3 during weekday and weekend daytimes in both normal and turbine bypass operating modes. Therefore, only the normal operation mode is considered below, as the results will be directly applicable to the turbine bypass mode also (all results for both the initial estimate and noise change calculations are numerically identical, to the nearest whole decibel value, in both normal operation and turbine bypass modes of operation).

## Noise impact assessment at R3 with proposed acoustic fence

### Initial estimate of impact

- 7.3.10 Predicted specific sound levels have been compared with the representative baseline sound levels at R3 in a BS 4142:2014+A1:2019 initial estimate of impact. **Table 7.3 BS 4142:2014 Assessment: initial estimate of impact: R3 (with proposed acoustic fence)** shows the results of the initial estimate of impact during weekday and weekend daytimes. It is considered appropriate to apply zero rating penalties in accordance with the explanation provided in **paragraph 6.1.1**.

**Table 7.3 BS 4142:2014 Assessment: initial estimate of impact: R3 (with proposed acoustic fence)**

Location	Background Sound Level, dB L <sub>A90,T</sub>	Residual Sound Level, dB L <sub>Aeq,T</sub>	Specific Sound Level, dB L <sub>s</sub>	Rating Penalty, dB	Rating Level, dB L <sub>Af,Tr</sub>	Rating minus Background, dB	Level
<b>Weekday daytime</b>							
R3	49	54	51	0	51	+2	
<b>Weekend daytime</b>							
R3	48	52	51	0	51	+3	

- 7.3.11 The results of the initial estimate in **Table 7.3** indicate that, with the proposed acoustic fence during weekday daytimes low impacts are likely at R3 and that, during weekend daytimes adverse impacts could occur.



### Consideration of context

- 7.3.12 To contextualise the impacts indicated by the initial estimate of impact in **Table 7.3**, predicted increases of ambient sound levels at R3 have been calculated. These are shown below in **Table 7.4**.

**Table 7.4 Noise Change Calculation: R3 (with proposed acoustic fence)**

Location	Residual Level, dB $L_{Aeq,T}$	Sound Specific Level, dB $L_s$	Sound Ambient Level, dB	Noise Change, dB
<b>Weekday daytime</b>				
R3	54	51	56	+2
<b>Weekend daytime</b>				
R3	52	51	54	+2

- 7.3.13 It is noted that, at R3, the residual acoustic environment already contains a significant component of industrial and commercial sound, that tends to be continuous and broadband in character (and, at times, with a low frequency component). Therefore, where ambient sound levels are predicted to increase, it is considered that the specific sound and residual sound are of similar character and that the considerations regarding the perceptibility of changes in sound level for sources of a similar character, in **paragraph 4.4.4**, are valid and applicable.
- 7.3.14 With reference to **Table 7.4 Noise Change Calculation: R3 (with proposed acoustic fence)** and **Table 4.2 Magnitude of impact due to ambient noise change**, the outcomes of the noise change assessment, in terms of increases in total ambient sound levels, are that, with the proposed acoustic fence, ambient noise increases at R3 during weekday and weekend daytimes will tend to be imperceptible and give rise to impacts of low magnitude. In consideration of absolute sound levels, it is considered that the predicted total ambient sound levels are unlikely to give rise to adverse impacts.

### Determination of significance

- 7.3.15 Based on the above, and with reference to the results of the initial estimate of impact presented in **Table 7.3 BS 4142:2014 Assessment: initial estimate of impact: R3 (with proposed acoustic fence)**, it is considered that the result of the initial estimate of impact is correct for R3 during weekday daytimes, and that low impacts (i.e., below 'adverse impact') are confirmed. However, based on consideration of context, it is considered that the adverse impacts identified in the initial estimate at R3 during weekend daytimes are unlikely. Therefore, the results of the initial estimate of impact at R3 during weekend daytimes are modified from 'adverse impact' to 'low impact'.
- 7.3.16 The results of the assessment therefore indicate that, with the proposed acoustic fence, predicted impacts are low (i.e., below 'adverse impact') during both weekday and weekend daytimes at R3.
- 7.3.17 Based on the above, the proposed acoustic fence is therefore considered an effective and appropriate method of mitigating the significant adverse and adverse



impacts identified at R3 in the assessments presented in **Section 6**. On this basis, and accounting for the considerations presented in **Section 7.3.4** and **7.3.5**, the proposed mitigation is considered to accord with BAT.



## 8. Uncertainty

### 8.1 Introduction

8.1.1 In all assessments, it is important to consider uncertainty and the influence it may have on the outcomes of the assessment. Uncertainty can arise from a number of aspects, including but not limited to:

- Acquisition of data by acoustic surveying:
  - ▶ The instrumentation used;
  - ▶ The measurement methodology (including duration of monitoring);
  - ▶ The variability and complexity of the ambient acoustic environment or source being measured, and the number and duration of measurements taken;
  - ▶ Weather conditions at the time of the measurements;
  - ▶ The specifics of the measurement location, nearby sources, reflecting and screening surfaces, times of day when measurements are undertaken, etc;
- Acoustic modelling:
  - ▶ The input data used;
  - ▶ The modelling of physical objects and topography, which may provide screening, reflections, acoustic absorption, etc;
  - ▶ The prediction methodologies implemented;
- The assessment:
  - ▶ The uncertainty inherent in the assessment methodology; and
  - ▶ The subjective response of the individual.

### 8.2 Consideration of uncertainty associated with acoustic surveying

8.2.1 The baseline surveying consisted of unattended and attended monitoring. Details of the surveying are provided in **Annex B**. Unattended monitoring was conducted for durations of approximately 1 week. Generally, attended surveys consisted of 15-minute sample measurements during daytime, evening and night-time, typically with a total of 13 sample measurements undertaken at each location. Weather conditions during the survey was generally dry and fine with some minimal precipitation and average wind speeds not exceeding 4m/s, and generally from the prevailing wind direction. Analysis of the long-term measurement data indicated some wind gusts may have influenced the measured sound levels, therefore periods when maximum wind speeds exceeded 5m/s were removed from the analysis.

8.2.2 As detailed in the Baseline Noise Monitoring Report in **Annex B**, the 25<sup>th</sup> percentile background sound levels and median residual sound levels indicated in the analysis



of the long-term measurement datasets were considered representative. The use of the 25<sup>th</sup> percentile background sound levels is considered to provide a robust, conservative approach. In consideration of the period when adverse impacts were identified in the assessments presented in **Section 6**, i.e., daytimes, and with reference to the long-term monitoring results presented in **Annex B**, it is noted that the median daytime sound levels are below or equal to the logarithmic average sound levels in all cases. As such, it is considered that the use of the median sound residual sound level provides a robust, conservative approach.

8.2.3 Instrumentation used in the surveying consisted of Class 1 sound level meters. Field calibration checks were undertaken and no significant drift was found. The instrumentation was subject to regular traceable laboratory calibration to international standards.

8.2.4 The surveys were undertaken in accordance with BS 7445<sup>6,7</sup> and BS 4142:2014+A1:2019 'Methods for rating and assessing industrial and commercial sound'<sup>5</sup>. All baseline surveying was conducted in free-field locations. Validation checks were undertaken with reference to baseline data gathered prior to the start of the Covid-19 pandemic, with results of Strategic noise maps produced under the Environmental Noise (England) Regulations, 2006 (as amended) and with reference to traffic flow data provided by the UK Government, in accordance with the guidance provided in '*Joint Guidance on the Impact of COVID-19 on the Practicality and Reliability of Baseline Sound Level Surveying and the Provision of Sound & Noise Impact Assessments*'.

8.2.5 All measurement data and data processing was subject to peer review by appropriately qualified personnel to ensure the validity of the data. Based on review of the data, and on the experience of each monitoring location gained whilst at each location, professional experience of undertaking numerous similar assessments and local knowledge (Giles Hine, who supervised the monitoring and assessment, worked as an environmental protection officer for Fenland District Council between 2002 and 2007), the baseline data is deemed representative.

8.2.6 On the basis of the above, it is considered that the uncertainty associated with the acoustic surveying has been reduced as far as reasonably practicable. This has been achieved by use of modern instrumentation which is appropriately calibrated, by undertaking measurements over suitable durations accounting for different times of day, by the implementation of appropriate methodologies, by undertaking validation checks using multiple data sources and by using appropriate sound levels which tend to be representative of the lower range of existing sound levels at the assessment locations. It is considered that the level of uncertainty associated with the representative sound levels is most unlikely to have a significant influence on the outcome of the assessments.

## 8.3 Consideration of uncertainty associated with acoustic modelling

8.3.1 Source levels for fixed and mobile plant are based on manufacturer's data and real-world data from similar plant and facilities. It is considered that the influence that different operators/different materials should have will be negligible on the noise



emissions from the EfW CHP Facility, as the waste will tend to be relatively homogenous, and personnel training will ensure that plant and processes are operated properly and consistently, as set out in **Annex E Section 5.3 'Training' & Section 5.4 'Noise Management'**. In general, where any assumptions have been made, these have tended towards moderate worst-case assumptions. The ground around the EfW CHP Facility Site is generally flat and acoustically mixed, and this is reflected in the noise model. Based on the above the source levels and ground effects are considered to be subject to negligible uncertainty.

- 8.3.2 The prediction methodology implemented in the model is that contained in ISO 9613-2:1996 'Acoustics – Attenuation of sound during propagation outdoors: Part 2 General Method of Calculation'<sup>10</sup>. The stated accuracy of the prediction methodology is  $\pm 3$  dB for mean source and receiver heights not exceeding 5m, for propagation distances up to 1000m. It's considered that the majority of mean source and receiver heights will fall within this range, and therefore the stated accuracy of the prediction methodology will be valid in this case. The dominant source during the daytime is HGV movements, the modelled source height of the line sources modelling HGV movements is 1m AGL. Therefore, the mean propagation height for the dominant source during the daytime (and evening, on average) will fall within the stated range above.
- 8.3.3 In consideration of the worst-case uncertainty associated with the prediction methodology, if specific sound levels were increased by 3 dB, then the outcomes of the assessment of normal operation, without mitigation, would be as follows. During weekend daytimes there would be a new significant adverse impact at R2 and the impact at R3 would increase from adverse to significant adverse. During weekday and weekend evenings, new adverse and significant adverse impacts would be identified at R2 and R3. During weekday night-times a new adverse impact would be identified at R2 and during weekend night-times new significant adverse and adverse impacts would be identified at R2 and R3. All other assessment outcomes would be identical.
- 8.3.4 However, as R2 will be removed as a Receptor, then the residual impacts at R2 would be identical.
- 8.3.5 In consideration of R3, and accounting for the attenuation provided by the proposed acoustic fence, then all assessment outcomes would be identical to the 'with mitigation' scenario in the absence of the +3 dB for uncertainty, except for a new significant adverse impact during weekday daytimes.
- 8.3.6 However, this is only in the worst-case +3 dB for uncertainty scenario. In this case the specific sound level is equal to the residual sound level, and the noise change would be +3 dB. As such, the threshold for triggering the +3 dB rating penalty for 'other sound characteristics' has only just been met, the rating minus background sound level would be +8 dB, the criteria for a 'medium' impact noise change will have just been met, and the noise change would be considered just perceptible to most people. Based on the above (i.e., that the indicator for a 'significant adverse' impact is only just met, and that other indicators point to an 'adverse' impact, rather than a 'significant adverse' impact), it would be considered appropriate to modify the initial estimate of 'significant adverse impact' and conclude that, accounting for the worst-case uncertainty of +3 dB inherent in the prediction methodology, residual impacts at R3 during weekday daytimes would be adverse. This would still be a





substantial improvement on the significant adverse impact at R3 during weekday daytimes identified in the assessment in **Section 6**.

8.3.7 Furthermore, as R3 is located to the southwest of the EfW CHP Facility, and many of the assessment indicators indicating a significant adverse/adverse impact are at the threshold as outlined above, and as the prevailing winds will tend to aid propagation of the specific sound away from this Receptor (rather than favour propagation towards it, as is the case in the prediction methodology), it is considered most unlikely that this scenario would frequently occur, even if some or a majority of source sound power levels had been underestimated. On this basis, even if some or a majority of source sound power levels had been underestimated, it is considered that residual impacts at R3 during weekday daytimes would be below adverse for the majority of the time.

8.3.8 On the basis of the above, it is considered that the uncertainty associated with the prediction methodology would be unlikely to change the outcome of the assessment, even at the upper bound of the range of uncertainty.

## 8.4 Consideration of uncertainty associated with the assessment

8.4.1 The assessment has been undertaken in accordance with BS 4142:2014+A1:2019. In consideration of subjective response, the methods provided in BS 4142:2014+A1:2019 are based on the subjective responses of the majority of the population. This is considered to yield the most robust outcome possible, accounting for a wide variance in subjective response, which is dependent on numerous factors. On the basis of the above, it is considered that the uncertainty associated with the assessment has been reduced as far as reasonably practicable, as set out above, and by undertaking the assessment in accordance with guidance provided in BS 4142:2014+A1:2019.



## 9. Conclusion and next steps

9.1.1 This report presents the Operational NIA that sets out the likely noise impact from the operation phase of the EfW CHP Facility at the nearest Receptors likely to be affected. The purpose of this NIA is to provide appropriate information to accompany the Environmental Permit (EP) Application. The EfW CHP Facility will be operated in accordance with, and any associated operational environmental impacts will be appropriately managed and reduced in accordance with, Best Available Techniques (BAT) as outlined in **Operational Noise Management Plan (Annex E)**.

### 9.2 Findings of the Operational NIA

9.2.1 The results of the Operational NIA indicate that, without additional mitigation, significant adverse impacts are likely at R2 (9 New Bridge Lane) and R3 (10 New Bridge Lane) during weekday daytimes, and adverse impacts are likely at R3 during weekend daytimes. Below adverse to low impacts are anticipated at all other Receptor locations assessed, at all times. The assessment of turbine bypass mode operations indicates identical impacts as in normal operation.

9.2.2 Currently unoccupied, the Applicant acquired R2 in July 2022 and, subject to receiving DCO Consent, will be removed from residential use. Consequently, there will be no residual impacts experienced at R2.

9.2.3 To avoid adverse impacts at R3 during both the construction and operation phases an acoustic fence is proposed at the property boundary (external to the permitted installation boundary). A description of the acoustic fence, and predictions of the attenuations it will achieve, are provided in **Section 7.3** and a figure indicating the extents of the acoustic fence is provided in **Annex E Operational Noise Management Plan** Figure 5.1 Proposed acoustic fence to 10 New Bridge Lane. The provision of the acoustic fence, including detailed designs, will be secured through a DCO Requirement.

9.2.4 The assessment indicates that, with the proposed acoustic fence to 10 New Bridge Lane, residual impacts would be below adverse during normal and turbine bypass mode operation.

### 9.3 Operational noise monitoring

9.3.1 Once the EfW CHP Facility is constructed, commissioned, and operating normally, operational noise levels will be monitored to confirm that operational noise levels would not give rise to any adverse impacts which are greater than those identified in this Operational NIA.

9.3.2 The methodology for operational noise monitoring, including the locations and duration of monitoring, and the criteria to be met, will be agreed in advance with the local authorities and the Environment Agency, as secured by a requirement in the EP.



## 10. References

Association of Noise Consultants and the Institute of Acoustics, 2020. Joint Guidance on the Impact of COVID-19 on the Practicality and Reliability of Baseline Sound Level Surveying and the Provision of Sound & Noise Impact Assessments. ANC & IOA.

British Standards Institution, 2019. BS 4142:2014+A1:2019 Methods for rating and assessing industrial and commercial sound. BSI

British Standards Institution, 2003. BS 7445-1:2003 Description and measurement of environmental noise – Guide to quantities and procedures. BSI

British Standards Institution. BS 7445-2:1991 Description and measurement of environmental noise – Part 2: Guide to the acquisition of data pertinent to land use. BSI, 1991.

British Standards Institution, 2013., BS EN 61672-1:2013 Electroacoustics. Sound level meters – Specifications. BSI

British Standards Institution, 2018. BS EN IEC 60942:2018 Electroacoustics. Sound calibrators. BSI

British Standards Institution, 2014. BS 5228-1:2009+A1:2014 Code of practice for noise and vibration control on construction and open sites – Noise. BSI

HMSO, 2016. Environmental Permitting Regulations (as amended).

HMSO, 2006. Statutory Instrument no. 2238, Environmental Noise (England) Regulations, 2006 (as amended). HMSO

IEMA, November 2014. Guidelines for environmental noise impact assessment, Version 1.2.

International Standards Organisation, 1996. ISO 9613-2:1996 Acoustics – Attenuation of sound during propagation outdoors – Part 2: General method of calculation. ISO, London.

The Building Performance Centre, School of the Built Environment, Napier University, 2007. NANR116: Open/Closed Window Research – Sound Insulation through Ventilated Domestic Windows.

World Health Organisation, 1999. Guidelines for Community Noise. WHO, Geneva.



# Annex A Statements of competence



## STATEMENTS OF COMPETENCE FOR ALL PERSONNEL CONTRIBUTING TO THE OPERATIONAL NIA

### Mark Evans

Mark is a Principal Consultant in Wood's Noise and Vibration Team with over 14 years' experience. Mark is a full corporate member of the Institute of Acoustics (MIOA).

Mark has significant experience in a large variety of noise and vibration assessments requiring knowledge in a range of guidance, standards and regulations. He has undertaken noise and vibration assessments for large scale infrastructure projects, including EIAs for over 30 onshore and offshore wind farms and other energy infrastructure projects.

He has developed an extensive knowledge of UK and International noise standards.

Mark was responsible for reviewing the report and assessment.

### Giles Hine

Giles is a Principal Consultant in Wood's Noise and Vibration Team with over 20 years' experience. Giles is a full corporate member of the Institute of Acoustics (MIOA).

He specialises in undertaking noise and vibration assessments, both as standalone projects and as part of larger projects such as EIA. As well as consultancy Giles has also worked as a pollution control officer for local authority (Fenland District Council).

His main areas of expertise include environmental impact assessments and assessments to support planning applications for a range of projects including energy, road and rail schemes, residential, commercial, schools, hospitals, and industrial applications. Giles' experience covers all of the process including consultations with planning authorities and other governing bodies; baseline noise and vibration monitoring and analysis; noise modelling and EIA reporting; he has also made representations at large scale public consultations. He has appeared as an expert for planning committees and hearings on behalf of both local authority and private sector clients.

Giles was responsible for reviewing the survey and monitoring plan, carrying out the acoustic monitoring, reviewing the baseline data processing, and reviewing the noise impact assessment report.

### Patrick Hoyle

Patrick is a Senior Consultant in Wood's Noise and Vibration Team with over 10 years' experience. Patrick is a full corporate member of the Institute of Acoustics (MIOA).

He has extensive experience in the hands-on aspects of acoustics including noise measurement, assessment; data processing, analysis and interpretation, predictive modelling for industrial, commercial, residential and transport schemes and technical authoring to support planning applications and to demonstrate compliance. He has experience in building acoustics and the prediction, measurement and assessment of vibration.



He has delivered stand-alone noise assessments, and inputs to EIA's, for numerous renewable and decentralised energy schemes across the UK including energy from waste, solar, gas fired peaking plant, and energy storage facilities.

Patrick was responsible for authoring the survey and monitoring plan, organising the baseline surveying, carrying out the acoustic monitoring, assisting with the data processing and analysis, carrying out the noise modelling, undertaking the noise impact assessment and preparing the noise impact assessment report.

### **Josh Wilson**

Josh is a Senior Consultant in Wood's Noise and Vibration Team with over 6 years' experience. Josh is a full corporate member of the Institute of Acoustics (MIOA).

Josh's experience is primarily focussed on environmental acoustics disciplines. He is notably experienced in industrial and commercial, energy and underwater acoustics projects, and has taken key roles in research projects that have informed guidance documents for offshore industries. He has delivered numerous assessments to accompany planning applications and to discharge conditions.

Josh has extensive experience in undertaking noise and vibration measurements, noise impact assessments, data processing, data analysis, predictive noise modelling for projects in various sectors, and carrying out technical authoring.

Josh was responsible for carrying out the acoustic monitoring.

### **Jack Rostron**

Jack is a Consultant in Wood's Noise and Vibration Team with over 5 years' experience. Jack is an Associate member of the Institute of Acoustics (AMIOA).

Jack's areas of expertise include environmental assessments of noise and vibration impacts, to inform planning applications and for the discharge of planning conditions. Jack's experience encompasses projects in the industrial, commercial, residential, educational and medical sectors. Jack specialises in building and architectural acoustics, including internal design to meet reverberation time criteria and building fabric design to address external noise break in.

He is experienced in noise propagation modelling and acoustic monitoring, including the provision of training in acoustic monitoring protocols to ensure best practice for undertaking accurate sound level measurements.

Jack was responsible for carrying out the acoustic monitoring, and assisting with the data analysis and baseline data reporting.

### **Heather Robinson**

Heather is a Consultant in Wood's Noise and Vibration Team with over 3 years' experience. Heather is a full corporate member of the Institute of Acoustics (MIOA).



Her experience covers a variety of assessments, including residential, commercial, industrial and transport sectors, undertaken as stand-alone projects as well as larger scale Environmental Impact Assessments.

Heather has provided key input on a number of Nationally Significant Infrastructure Projects (NSIPs), undertaking and leading surveys, data analysis, modelling and reporting where required. This has involved contributing to several PEIR and ES chapters, as well as stand-alone reports. Heather is experienced with a number of different noise modelling software packages such as Lima, Predictor-Lima, CadnaA, SoundPLAN and Odeon.

Heather was responsible for assisting with and reviewing the data processing and analysis, and preparing the baseline monitoring report.

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Zachary specialises in noise impact assessments for industrial and commercial sites. He is competent in undertaking noise and vibration assessments, both as standalone projects and as part of larger projects such as EIA.

His main areas of expertise include environmental impact assessments and assessments to support planning applications for a range of projects including energy, road and rail schemes, residential, commercial, schools, hospitals, and industrial applications. Zachary's experience covers all of the process including consultations with planning authorities; baseline noise and vibration monitoring and analysis; noise modelling and EIA reporting.

Zachary was responsible for carrying out the acoustic monitoring and reviewing the noise modelling.



# Annex B Baseline Noise Monitoring Report



# Medworth Energy from Waste Combined Heat and Power Facility

PINS ref. EN010110  
Document Reference Vol 6.4  
Revision 1.0  
June 2022



## Environmental Statement Technical Appendix

## Appendix 7A Baseline Noise Monitoring Report

Regulation reference: The  
Infrastructure Planning  
(Applications: Prescribed Forms and  
Procedure) Regulations 2009  
Regulation 5(2)(a)

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## 7A1

# Glossary

Term	Description
<b>ABC Method</b>	Method provided in BS 5228-1:2009+A1:2014 <i>Code of practice for noise and vibration control on construction and open sites – Part 1: Noise</i> for determining thresholds of potential significance for construction noise affecting residential premises.
<b>Ambient sound</b>	Totally encompassing sound in a given situation, at a given time, usually composed of sound from many sources near and far.
<b>ANC</b>	Association of Noise Consultants
<b>dB</b>	Decibel
<b>dBA</b>	A-weighted decibel. A-weighting is a correction factor to represent how the human ear responds to sound, which is internationally accepted and found to correspond well with people's subjective reaction to sound.
<b>DCO</b>	Development Consent Order
<b>DNO</b>	(Electric) Distribution Network Operator
<b>EHO</b>	Environmental Health Officer
<b>EIA</b>	Environmental Impact Assessment
<b>ES</b>	Environmental Statement
<b>FDC</b>	Fenland District Council
<b>Free Field</b>	Signifies that a sound measurement has been undertaken in 'free field' conditions i.e. away from any reflecting facades, other than the ground, e.g. building facades, close boarded fence work etc.
<b>HGV</b>	Heavy Goods Vehicle. With regard to noise, heavy vehicles/HGVs are any vehicle with an unladen weight in excess of 3.5 tonnes.
<b>Interquartile range (IQR)</b>	Inter quartile range, statistical index describing the range between the 25 <sup>th</sup> percentile and 75 <sup>th</sup> percentile of the dataset, equivalent to the range of the central 50% of the data.
<b>IOA</b>	Institute of Acoustics
<b>KWLN</b>	Borough Council of Kings Lynn and West Norfolk
<b>L<sub>Aeq, T</sub></b>	The equivalent continuous sound level. The sound level of a steady sound having the same energy as a fluctuating sound over the same period. Ambient and residual sound levels are described with this index. L <sub>Aeq, T</sub> is considered the best general-purpose index for environmental sound, as it is the index which generally best represents how sound levels are perceived.



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Term	Description
<b>L<sub>An, T</sub></b>	This noise index represents the sound level exceeded for n% of the measurement period. The L <sub>A90, T</sub> is used to indicate quieter times during the measurement period. In BS 4142 assessments it is usually referred to as the background sound level and describes the quietest 10% of a measurement period.
<b>L<sub>Amax</sub></b>	The maximum recorded sound level during the measurement period.
<b>LT</b>	Long Term (monitoring location)
<b>NSR</b>	Noise Sensitive Receptor
<b>Residual sound</b>	When assessing industrial or commercial sound, the residual sound level is equal to the ambient sound level, in the absence of the specific sound (in the case of a proposed industrial or commercial activity, the residual sound level is equivalent to the existing ambient sound level prior to addition of the specific sound level to the acoustic environment).
<b>SMP</b>	Noise Survey and Monitoring Plan.
<b>Specific sound</b>	When assessing industrial or commercial sound, the specific sound is the sound of the (proposed or existing) industrial or commercial activity under assessment.
<b>ST</b>	Short Term (monitoring location)



# Executive summary

## Purpose of this report

The Applicant intends to make an application to the Secretary of State for a DCO for the Proposed Development on the industrial estate at Algores Way, Wisbech. The Proposed Development will recover useful energy in the form of electricity and steam from over half a million tonnes of non-recyclable (residual) Municipal, Commercial and Industrial waste each year.

To inform the noise assessments forming part of the EIA to be presented in the ES accompanying the DCO application, baseline noise surveys were undertaken. This Baseline Report presents the results of the baseline sound surveys that were conducted between Wednesday 10 November 2021 and Thursday 18 November 2021.

## Baseline monitoring

All monitoring, and subsequent data processing, analysis and reporting was undertaken in accordance with the relevant British Standards and the agreed methodology, which is provided in **Appendix B**. Details of the monitoring are provided in **Section 2**. Monitoring results are presented in **Section 3** and analysis of the results is provided in **Section 4**.

The influence of the COVID-19 pandemic on the measurement data is considered in **Section 4.1**, discussion of the results is provided in **Section 4.2** and corrections and validation are discussed in **Section 4.3**.

As outlined in **Section 4.1**, and based on comparisons of the 2019 and 2021 datasets, it is considered that any influence of the COVID-19 pandemic on ambient sound conditions was negligible, and that the results of the monitoring were not unduly affected by any variations in local activity that may have occurred due to the pandemic.

The discussion in **Section 4.2** indicates that the measured sound levels are considered to be typical of the locations where the data were acquired, which tended to either be dominated by road noise or industrial/commercial noise. Some other noise sources were noted (local activity, animal sounds, wind in trees, etc), however these did not confound the measurements, and any unrepresentative events/data have been removed from the datasets (periods with wind gusts  $>5 \text{ ms}^{-1}$ , noisy aircraft manoeuvres, etc).

Based on the above, the discussions presented in **Section 4.2**, and the validation presented in **Section 4.3**, the measured sound levels are considered representative of NSRs in proximity to each measurement location, and the representative sound levels to be used in the EIA are provided in **Section 4.4**.



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# 1. Introduction

## 1.1 Background

- 1.1.1 Medworth CHP Limited (the Applicant) is applying to the Secretary of State (SoS) for a Development Consent Order (DCO) to construct operate and maintain an Energy from Waste (EfW) Combined Heat and Power (CHP) Facility on the industrial estate, Algores Way, Wisbech, Cambridgeshire. Together with associated Grid Connection, CHP Connection, Access Improvements, Water Connections, and Temporary Construction Compound (TCC), these works are the Proposed Development.
- 1.1.2 The Proposed Development would recover useful energy in the form of electricity and steam from over half a million tonnes of non-recyclable (residual), non-hazardous municipal, commercial and industrial waste each year. The Proposed Development has a generating capacity of over 50 megawatts and the electricity would be exported to the grid. The Proposed Development would also have the capability to export steam and electricity to users on the surrounding industrial estate. Further information is provided in **Chapter 3: Description of the Proposed Development (Volume 6.2)**.
- 1.1.3 The Proposed Development is a Nationally Significant Infrastructure Project (NSIP) under Part 3 Section 14 of the Planning Act 2008 (2008 Act) by virtue of the fact that the generating station is located in England and has a generating capacity of over 50 megawatts (section 15(2) of the 2008 Act). It, therefore, requires an application for a DCO to be submitted to the Planning Inspectorate (PINS) under the 2008 Act. PINS will examine the application for the Proposed Development and make a recommendation to the SoS for Business, Energy and Industrial Strategy (BEIS) to grant or refuse consent. On receipt of the report and recommendation from PINS, the SoS will then make the final decision on whether to grant the Medworth EfW CHP Facility DCO.

## 1.2 The Applicant and the project team

- 1.2.1 The Applicant is a wholly owned subsidiary of MVV Environment Limited (MVV). MVV is part of the MVV Energie AG group of companies. MVV Energie AG is one of Germany's leading energy companies, employing approx. 6,500 people with assets of around €5 billion and annual sales of around €4.1 billion. The Proposed Development represents an investment of approximately £450m.
- 1.2.2 The company has over 50-years' experience in constructing, operating, and maintaining EfW CHP facilities in Germany and the UK. MVV Energie's portfolio includes a 700,000 tonnes per annum residual EfW CHP facility in Mannheim, Germany.
- 1.2.3 MVV Energie has a growth strategy to be carbon neutral by 2040 and thereafter carbon negative, i.e., climate positive. Specifically, MVV Energie intends to:





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- reduce its direct carbon dioxide (CO<sub>2</sub>) emissions by over 80% by 2030 compared to 2018;
- reduce its indirect CO<sub>2</sub> emissions by 82% compared to 2018;
- be climate neutral by 2040; and
- be climate positive from 2040.

1.2.4 MVV's UK business retains the overall group ethos of 'belonging' to the communities it serves whilst benefitting from over 50 years' experience gained by its German sister companies.

1.2.5 MVV's largest project in the UK is the Devonport EfW CHP Facility in Plymouth. Since 2015, this modern and efficient facility has been using around 265,000 tonnes of municipal, commercial and industrial residual waste per year to generate electricity and heat, notably for Her Majesty's Naval Base Devonport in Plymouth, and exporting electricity to the grid.

1.2.6 In Dundee, MVV has taken over the existing Baldovie EfW Facility and has developed a new, modern facility alongside the existing facility. Operating from 2021, it uses up to 220,000 tonnes of municipal, commercial and industrial waste each year as fuel for the generation of usable energy.

1.2.7 Biomass is another key focus of MVV's activities in the UK market. The biomass power plant at Ridham Dock, Kent, uses up to 195,000 tonnes of waste and non-recyclable wood per year to generate green electricity and is capable of exporting heat.

1.2.8 To prepare the ES for the Proposed Development, the Applicant has engaged Wood Group UK Limited (Wood). Wood is registered with the Institute of Environmental Management and Assessment (IEMA)'s Environmental Impact Assessment (EIA) Quality Mark scheme. The scheme allows organisations that lead the co-ordination of EIAs in the UK to make a commitment to excellence in their EIA activities and have this commitment independently reviewed.

## 1.3 The Proposed Development

1.3.1 The Proposed Development comprises the following key elements:

- The EfW CHP Facility;
- CHP Connection;
- Temporary Construction Compound (TCC);
- Access Improvements;
- Water Connections; and
- Grid Connection.

1.3.2 A summary description of each Proposed Development element is provided below. A more detailed description is provided in **ES Chapter 3: Description of the Proposed Development (Volume 6.2)** of the ES. A list of terms and abbreviations





can be found in **Chapter 1 Introduction, Appendix 1F Terms and Abbreviations (Volume 6.4)**.

- **EfW CHP Facility Site:** A site of approximately 5.3ha located south-west of Wisbech, located within the administrative areas of Fenland District Council and Cambridgeshire County Council. The main buildings of the EfW CHP Facility would be located in the area to the north of the Hundred of Wisbech Internal Drainage Board (HWIDB) drain bisecting the site and would house many development elements including the tipping hall, waste bunkers, boiler house, turbine hall, air cooled condenser, air pollution control building, chimneys and administration building. The gatehouse, weighbridges, 132kV switching compound and laydown maintenance area would be located in the southern section of the EfW CHP Facility Site.
- **CHP Connection:** The EfW CHP Facility would be designed to allow the export of steam and electricity from the facility to surrounding business users via dedicated pipelines and private wire cables located along the disused March to Wisbech railway. The pipeline and cables would be located on a raised, steel structure.
- **TCC:** Located adjacent to the EfW CHP Facility Site, the compound would be used to support the construction of the Proposed Development. The compound would be in place for the duration of construction.
- **Access Improvements:** includes access improvements on New Bridge Lane (road widening and site access) and Algores Way (relocation of site access 20m to the south).
- **Water Connections:** A new water main connecting the EfW CHP Facility into the local network will run underground from the EfW CHP Facility Site along New Bridge Lane before crossing underneath the A47 (open cut trenching or horizontal directional drilling (HDD)) to join an existing Anglian Water main. An additional foul sewer connection is required to an existing pumping station operated by Anglian Water located to the northeast of the Algores Way site entrance and into the EfW CHP Facility Site.
- **Grid Connection:** This comprises a 132kV electrical connection using underground cables. The Grid Connection route begins at the 132kV switching compound in the EfW CHP Facility Site and runs underneath New Bridge Lane, before heading north within the verge of the A47 to the Walsoken Substation on Broadend Road. From this point the cable would be connected underground to the Walsoken DNO Substation.

## 1.4 Purpose of this report

- 1.4.1 The purpose of this Baseline Report is to present the results of the baseline sound level surveys that were conducted between Wednesday 10 November 2021 and Thursday 18 November 2021.
- 1.4.2 The purpose of the surveys was to determine robust and accurate baseline data to inform the noise assessments for the Environmental Impact Assessment (EIA) to be presented in the Environmental Statement (ES) accompanying the DCO application.



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- 1.4.3 All personnel contributing to the baseline surveys, analysis of data and the preparation of this report were appropriately qualified. **Annex A** presents statements of competence for all personnel who contributed to the baseline surveys, analysis of data and preparation of this report.



## 2. Methodology

### 2.1 Agreed methodology

- 2.1.1 The methodology and monitoring locations were agreed with Environmental Health Officers (EHOs) from Fenland District Council (FDC) and the Borough Council of Kings Lynn and West Norfolk (KLWN), through the submission and review of a Noise Survey and Monitoring Plan (SMP) before any survey took place. The SMP is presented in **Annex B**. The SMP forms the agreed methodology to undertake and report the results of the baseline monitoring.

#### Identification of Receptor locations

- 2.1.2 Noise monitoring locations were selected to be representative of Noise Sensitive Receptors (NSRs) with the greatest potential to be affected by noise from the construction and operation of the Proposed Development. The NSRs and noise monitoring locations were identified using aerial imagery, OS mapping and local knowledge. Key NSR locations considered when determining appropriate measurement locations are identified in **Figure C1 – Figure C4** in **Annex C**.

### 2.2 Details of the monitoring undertaken

#### Data collection methods

- 2.2.1 For the long-term monitoring locations, monitoring equipment was left to measure sound levels continuously for approximately eight days. The measurements were undertaken during local schools' term-time.
- 2.2.2 The long-term monitoring equipment was unattended for the majority of the survey period. Observations of the sound environment were made during equipment deployment and collection to contextualise the monitoring location.
- 2.2.3 At the short-term monitoring locations, measurements were attended and consisted of multiple 15-minute samples at different times of the day and night, with observations noted throughout. Where any unrepresentative, extraneous events occurred (such as emergency vehicle sirens, extended aircraft overflight, people taking near the measurement position, noisy vehicle passes, etc), these were excluded from the measurements.
- 2.2.4 Noise monitoring equipment was set to measure for intervals of 15-minutes in accordance with BS 4142:2014+A1:2019 *'Methods for rating and assessing industrial and commercial sound'* (BS 4142:2014), which states:
- "8.1.3 Ensure that the measurement time interval is sufficient to obtain a representative value of the background sound level for the period of interest. This should comprise continuous measurements of normally not less than 15 min intervals, which can be continuous or disaggregated."*



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- 2.2.5 All sound level measurements were undertaken in accordance with BS 4142:2014+A1:2019 and BS 7445-1:2003 ‘Description and measurement of environmental noise. Part 1: Basic quantities and procedures’, i.e., with microphones mounted to a minimum height of 1.2 to 1.5 m above ground level and no less than 3.5 m from any reflecting surface other than the ground.
- 2.2.6 At each location, sound levels were measured using integrating averaging sound level meters (SLMs) conforming to Class 1 as defined by BS EN 61672-1:2013 ‘Electroacoustics, Sound level meters, Specifications’. The SLMs were field calibrated before and at the end of each survey period by applying an acoustic calibrator, conforming to BS EN 60942:2018 ‘Electroacoustics – Sound calibrators’, to the microphone to check the sensitivity of the measuring equipment. Any drift in calibration levels was noted at the end of the survey period, and no significant deviation was found.
- 2.2.7 All SLMs used during the monitoring had undergone laboratory calibration within a period not exceeding two years prior to use. All acoustic calibrators used had undergone laboratory calibration within a period not exceeding one year prior to use. See **Annex D** for a summary of laboratory calibrations and calibration certificates.
- 2.2.8 Meteorological measurement equipment was deployed to monitor local wind speeds and direction, precipitation, air temperature and relative humidity during the surveys. The logged meteorological data have been used in the analysis of the sound level data to ensure that only data collected during appropriate weather conditions has been used when determining representative sound levels to be used in the assessment.

### Data collection locations

- 2.2.9 Sound monitoring was undertaken at eleven locations between Wednesday, 10 November 2021 and Thursday, 18 November 2021. This consisted of three long-term (reference prefix “LT”) monitoring locations and eight short-term (reference prefix “ST”) monitoring locations.
- 2.2.10 Monitoring was undertaken at various locations between the EfW CHP Facility Site and the Walsoken DNO Substation, the Point of Connection (POC). The Walpole POC no longer forms part of the Proposed development and as measurement locations ST7 to ST10 inclusive, were not used.
- 2.2.11 The monitoring locations and periods are identified in **Table 2.1 Summary of monitoring locations** below, and all locations are shown in **Figure C1 – Figure C4** in **Annex C**.

**Table 2.1 Summary of monitoring locations**

Location Reference	Location description	Location Co-ordinates		Monitoring period
		Latitude	Longitude	
LT1c	Southern tip of the proposed EfW CHP Facility site,	52°38'53.55"	0° 8'53.18"	10/11/2021 – 18/11/2021



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Location Reference	Location description	Location Co-ordinates		Monitoring period
		Latitude	Longitude	
	approximately 40 m east southeast of 9 New Bridge Lane.			
<b>LT2</b>	On a bridge over a drainage ditch, near to a residential Receptor adjacent to the A47 known as 'Potty Plants'.	52°38'45.33"	0° 9'10.88"	10/11/2021 – 17/11/2021
<b>LT3</b>	At 93 South Brink, approx. 5 m northwest of house and 5 m south east of edge of carriageway.	52°39'2.72"	0° 8'26.13"	10/11/2021 – 18/11/2021
<b>ST-LT1</b>	on New Bridge Lane approximately equidistant between LT1 (10 New Bridge Lane) and LT1a (9 New Bridge Lane)	52°38'52.54"	0° 8'53.38"	10/11/2021 – 11/11/2021 16/11/2021 – 17/11/2021
<b>ST1 (Backup/Alternative)</b>	On New Drove, approx. 500 m northeast of junction of New Bridge Lane & New Drove	52°38'56.87"	0° 9'28.40"	10/11/2021 – 11/11/2021 16/11/2021 – 17/11/2021
<b>ST2</b>	Northern turning circle at end of Victory Road.	52°39'32.51"	0° 9'22.30"	10/11/2021 – 12/11/2021 16/11/2021 – 17/11/2021
<b>ST3</b>	Near southwest corner of junction of Algores Way & Weasenham Lane.	52°39'14.92"	0° 9'32.05"	10/11/2021 – 12/11/2021 16/11/2021 – 17/11/2021
<b>ST4</b>	Near Cambian Wisbech School, Anglia Way.	52°39'1.19"	0° 9'15.92"	10/11/2021 – 12/11/2021 16/11/2021 – 17/11/2021
<b>ST5 (Backup/Alternative)</b>	Southeastern corner of Morrisons car park, approx. 30 m northwest of nearest building at Elme Hall Hotel.	52°38'56.58"	0°10'21.85"	10/11/2021 – 12/11/2021 16/11/2021 – 17/11/2021
<b>ST6</b>	On Meadowgate Lane, in lay by approximately 60 m south of A47.	52°38'57.92"	0°10'51.40"	11/11/2021 – 12/11/2021 17/11/2021 – 18/11/2021
<b>ST11</b>	At Broadend Road, approx. 15 m north of the dwelling at 56 Broadend Rd and 60 m west of the A47.	52°39'37.97"	0°11'37.11"	11/11/2021 – 12/11/2021 17/11/2021 – 18/11/2021



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- 2.2.12 A data logging meteorological station was deployed approximately 100 m northwest of the sound monitoring equipment at LT1c, on top of an earth bund, approximately 3 m above local ground level. The meteorological station logged concurrently with the sound level surveys to allow adverse weather conditions to be identified and corresponding sound levels excluded from the data analysis. Meteorological conditions during the monitoring are discussed below under the heading 'Meteorological conditions'.
- 2.2.13 Specific details about the location of the monitoring equipment and observations made during deployment and collection of the long-term measurements and throughout the measurements at short term locations are detailed in **Annex E**.

## Constraints

- 2.2.14 Constraints on preferred measurement locations required that some Backup/Alternative measurement locations were used in the monitoring. These are outlined below and details of any corrections and validation of monitoring results are provided in **Section 4.3**.
- 2.2.15 It was not possible to monitor at location LT1 and therefore to ensure that suitable levels were obtain for this position, backup location LT1c was used, with attended measurements at ST-LT1 also undertaken to determine any necessary attenuation corrections. Measurement data acquired at ST-LT1 has been used to validate and correct the measured sound level data from LT1c to be representative of ST-LT1 and nearby Receptors at 9 and 10 New Bridge Lane.
- 2.2.16 Due to being unable to monitor at location LT2, backup location LT2 was used. Measurement data acquired in 2019 at a location approximately 40 m north of LT2 was used for comparison and validation purposes.
- 2.2.17 An alternative location for ST1 was used during the survey. The ST1 Backup/Alternative was located further away from nearby road and industry sources than the preferred location at ST1. The results from ST1 Backup/Alternative have been compared to measurements undertaken at ST1 in 2019 and corrected to achieve sound levels representative of the nearby NSR known as 'The Chalet' on New Drove near to ST1.
- 2.2.18 Due to being unable to monitor at ST5, ST5 Backup/Alternative was used. There are no available data that would allow a comparison of sound levels at these locations. The alternative location is a greater distance from nearby transport sources than the preferred location. Therefore, measurement data acquired at ST5 Backup/Alternative will likely be subject to slightly lower sound levels than would be expected at the preferred measurement location, leading to a more conservative assessment for the Receptors represented by this monitoring position.

## Meteorological conditions

- 2.2.19 With reference to the weather data presented in the time history charts in **Section 3**, meteorological conditions varied throughout the long-term surveys. It was noted that limited periods of rainfall were experienced on three days of the survey, with no average wind speeds greater than  $5\text{ms}^{-1}$ . Wind direction statistics based on analysis

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of the logged meteorological data are provided below in **Table 2.2 Wind direction as percentage of time over whole monitoring period**. Meteorological conditions during short term measurements are detailed in **Annex F**. Wind speeds were always below  $3 \text{ ms}^{-1}$  and avoided rain.

2.2.20 The wind statistics in **Table 2.2 Wind direction as percentage of time over whole monitoring period** below indicate that the wind direction over the monitoring period is consistent with the prevailing wind direction, with winds from the west, southwest and south for around half of the monitoring period.

**Table 2.2 Wind direction as percentage of time over whole monitoring period**

Wind Direction	N	NW	W	SW	S	SE	E	NE	No direction recorded (speed to low)
% of monitoring period	4	5	18	27	4	15	6	14	7

2.2.21 The wind speeds reported in the time history charts in **Section 3** are averaged over each 15-minute period. However, maximum wind speeds were also logged. Review of the maximum wind speed data indicated that there were two periods when maximum wind speeds exceeded  $5 \text{ ms}^{-1}$ . The first occurred between 12/11/2021 12:15 hrs and 13/11/2021 16:30 hrs when, for the majority of the time, maximum wind speeds exceeded  $5 \text{ ms}^{-1}$ . The second period occurred 17/11/2021 between 10:30 and 14:30 hrs when maximum wind speeds exceeded  $5 \text{ ms}^{-1}$  approximately half of the time.

2.2.22 Review of the time histories presented in **Section 3** shows that at LT1c the  $L_{Aeq,T}$  and  $L_{A90,T}$  sound levels appear to have been affected by maximum wind speeds, with LT2 relatively unaffected and LT3 somewhat affected. Therefore, time periods where gusts above  $5 \text{ ms}^{-1}$  occurred were removed from the analysis. The limited number of periods where precipitation was logged were also excluded, to ensure adverse weather conditions had no influence on the analysis.

2.2.23 **Table 2.3 Time monitored at each long term monitoring location** shows the total time monitored at each long term location alongside the total time excluded from the data analysis.

**Table 2.3 Time monitored at each long term monitoring location**

Monitoring location	Total no. 15 minute samples	Total duration of dataset	No. samples excluded due to meteorological conditions	Duration of dataset, with exclusions
LT1c	758	7 days, 21 hours, 30 minutes	76	7 days, 2 hours, 30 minutes
LT2	669	6 days, 23 hours, 15 minutes	76	6 days, 4 hours, 15 minutes





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Monitoring location	Total no. 15 minute samples	Total duration of dataset	No. samples excluded due to meteorological conditions	Duration of dataset, with exclusions
LT3	753	7 days, 20 hours, 15 minutes	76	7 days, 1 hour, 15 minutes





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# 3. Results

## 3.1 Long term measurements

3.1.1 Long term measurements were undertaken at three locations, as described in **Table 2.1 Summary of monitoring locations**, the results of which are provided below.

### LT1c

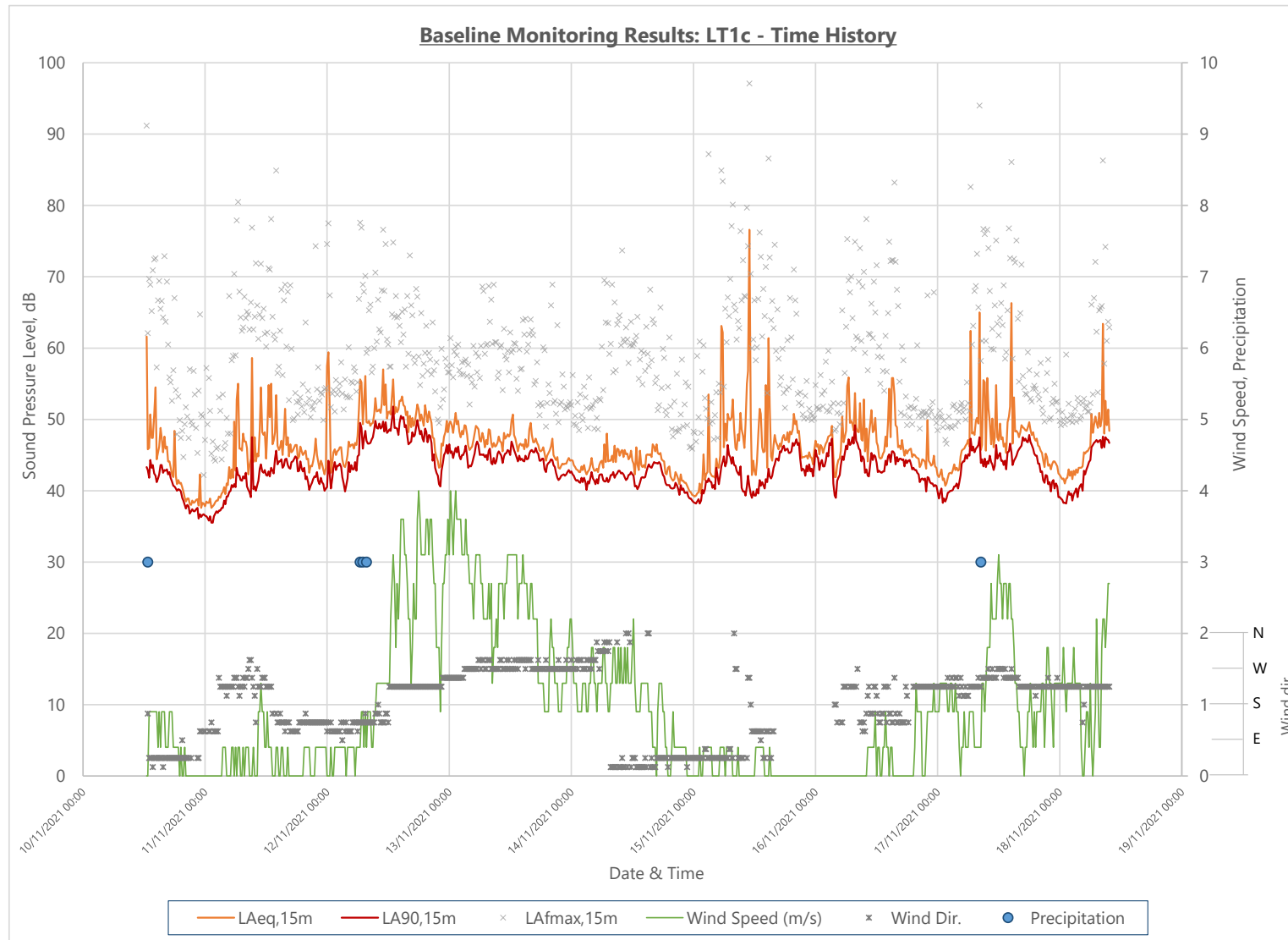
3.1.2 The time history chart indicating the measured sound levels over the whole monitoring period at LT1c is presented in **Graphic 3.1 Results of long term monitoring: LT1c - Time history**. Summaries of the results for weekdays, weekends and weekend periods, as specified by BS 5228-1:2009+A1:2014 (BS 5228-1), are presented in **Table 3.1**, **Table 3.2** and **Table 3.3**. Distribution charts are shown in **Graphic 3.2 Results of long term monitoring: LT1c - Distribution of measured residual sound levels, all days** and **Graphic 3.3 Results of long term monitoring: LT1c - Distribution of measured background sound levels, all days**. It should be noted that the monitoring results presented within these tables and figures are uncorrected. To yield representative sound levels for the assessment, a correction has been applied to the monitoring results at LT1c, as set out in **Section 4.3**.



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### Graphic 3.1 Results of long term monitoring: LT1c - Time history





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**Table 3.1 Summary of measured sound levels at LT1c: weekdays**

	Background sound level, dB L <sub>A90,T</sub>			Residual sound level, dB L <sub>Aeq,T</sub>			Maximum sound level, dB L <sub>AFmax,T</sub>		
	Day	Evening	Night	Day	Evening	Night	Day	Evening	Night
<b>Range</b>	39 - 50	36 - 47	36 - 49	41 - 77	38 - 51	38 - 63	48 - 97	45 - 74	42 - 87
<b>25<sup>th</sup> %ile</b>	43	41	39	46	43	42	59	50	50
<b>Median</b>	44	42	41	48	45	44	64	52	52
<b>75<sup>th</sup> %ile</b>	46	43	44	50	45	46	69	55	55
<b>Arithmetic average</b>	44	42	41	49	44	44	64	54	55
<b>Logarithmic average</b>	-	-	-	55	45	49	-	-	-

**Table 3.2 Summary of measured sound levels at LT1c: weekends**

	Background sound level, dB L <sub>A90,T</sub>			Residual sound level, dB L <sub>Aeq,T</sub>			Maximum sound level, dB L <sub>AFmax,T</sub>		
	Day	Evening	Night	Day	Evening	Night	Day	Evening	Night
<b>Range</b>	40 - 46	39 - 44	39 - 45	42 - 50	41 - 47	39 - 48	51 - 74	48 - 69	46 - 70
<b>25<sup>th</sup> %ile</b>	42	40	41	45	42	43	57	50	50
<b>Median</b>	44	41	42	46	43	43	60	52	52
<b>75<sup>th</sup> %ile</b>	45	43	42	47	44	44	63	55	54
<b>Arithmetic average</b>	43	42	42	46	43	43	60	54	53
<b>Logarithmic average</b>	-	-	-	46	44	44	-	-	-



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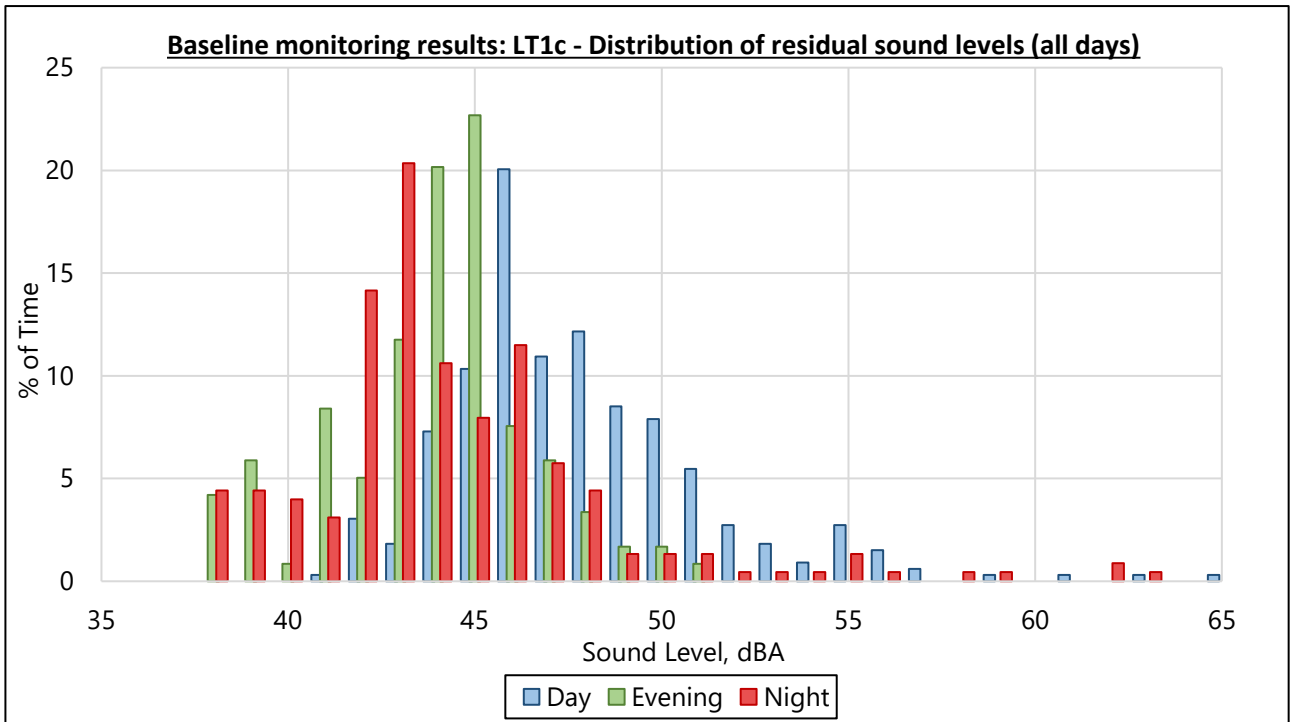
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**Table 3.3 Summary of measured sound levels at LT1c: weekend BS 5228-1 periods**

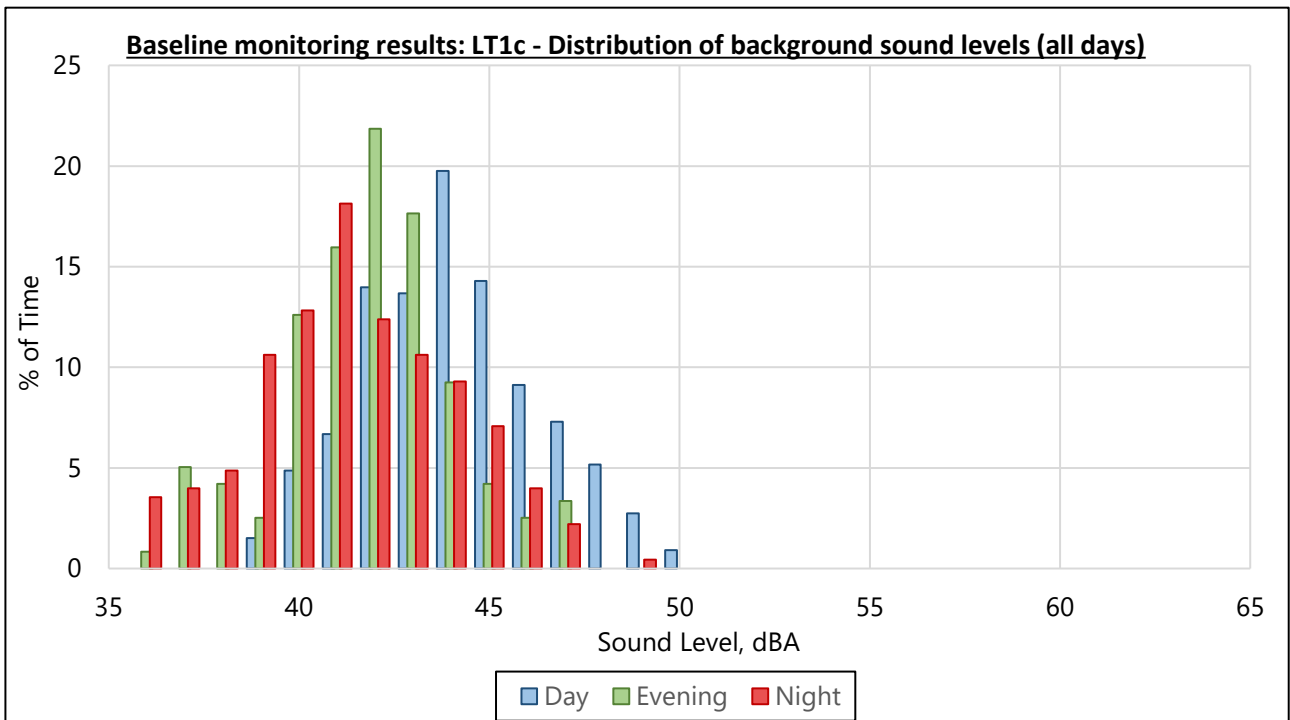
	Background sound level, dB L <sub>A90,T</sub>			Residual sound level, dB L <sub>Aeq,T</sub>			Maximum sound level, dB L <sub>AFmax,T</sub>		
	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs
<b>Range</b>	44 - 46	44 - 45	39 - 44	46 - 49	46 - 47	41 - 48	54 - 69	54 - 64	48 - 74
<b>25<sup>th</sup> %ile</b>	44	44	41	46	46	43	59	60	55
<b>Median</b>	45	44	42	47	46	44	61	61	59
<b>75<sup>th</sup> %ile</b>	45	45	43	48	47	45	62	62	62
<b>Arithmetic average</b>	45	45	42	47	46	44	61	60	58
<b>Logarithmic average</b>	-	-	-	47	47	44	-	-	-



**Graphic 3.2 Results of long term monitoring: LT1c - Distribution of measured residual sound levels, all days**



**Graphic 3.3 Results of long term monitoring: LT1c - Distribution of measured background sound levels, all days**



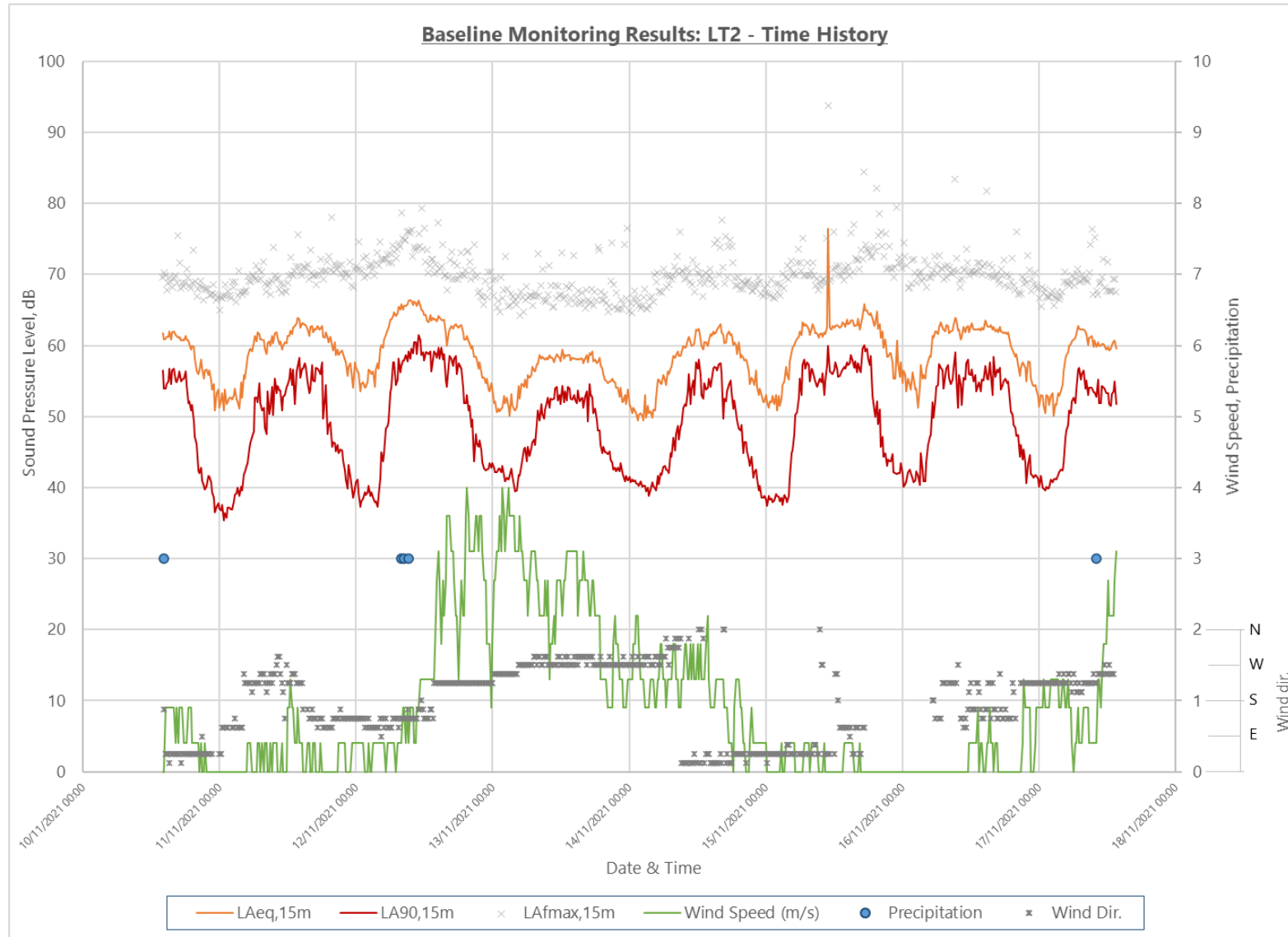
**LT2**

3.1.3

The time history chart indicating the measured sound levels over the whole monitoring period at LT2 is presented in **Graphic 3.4 Results of long term monitoring: LT2 - Time history**. Summaries of the results for weekdays, weekends and weekend BS 5228-1 periods, respectively, are presented in **Table 3.4, Table 3.5** and **Table 3.6**. Distribution charts are shown in **Graphic 3.5 Results of long term monitoring: LT2 - Distribution of measured residual sound levels, all days** and **Graphic 3.6 Results of long term monitoring: LT2 - Distribution of measured background sound levels, all days**.



Graphic 3.4 Results of long term monitoring: LT2 - Time history



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**Table 3.4 Summary of measured sound levels at LT2, weekdays**

	Background sound level, dB L <sub>A90,T</sub>			Residual sound level, dB L <sub>Aeq,T</sub>			Maximum sound level, dB L <sub>AFmax,T</sub>		
	Day	Evening	Night	Day	Evening	Night	Day	Evening	Night
<b>Range</b>	48 - 62	39 - 52	35 - 58	59 - 76	54 - 65	50 - 65	67 - 94	66 - 82	65 - 79
<b>25<sup>th</sup> %ile</b>	54	42	39	61	57	53	69	68	68
<b>Median</b>	56	45	41	62	58	55	70	70	70
<b>75<sup>th</sup> %ile</b>	57	47	46	63	60	59	72	72	71
<b>Arithmetic average</b>	56	45	43	62	58	56	71	71	70
<b>Logarithmic average</b>	-	-	-	63	59	58	-	-	-

**Table 3.5 Summary of measured sound levels at LT2, weekends**

	Background sound level, dB L <sub>A90,T</sub>			Residual sound level, dB L <sub>Aeq,T</sub>			Maximum sound level, dB L <sub>AFmax,T</sub>		
	Day	Evening	Night	Day	Evening	Night	Day	Evening	Night
<b>Range</b>	42 - 58	40 - 49	39 - 46	56 - 63	52 - 60	49 - 56	65 - 78	65 - 75	65 - 77
<b>25<sup>th</sup> %ile</b>	51	43	40	58	55	51	68	66	66
<b>Median</b>	53	44	41	59	55	52	69	68	67
<b>75<sup>th</sup> %ile</b>	54	45	42	61	57	54	71	69	69
<b>Arithmetic average</b>	52	44	41	60	56	52	70	68	68
<b>Logarithmic average</b>	-	-	-	60	56	53	-	-	-



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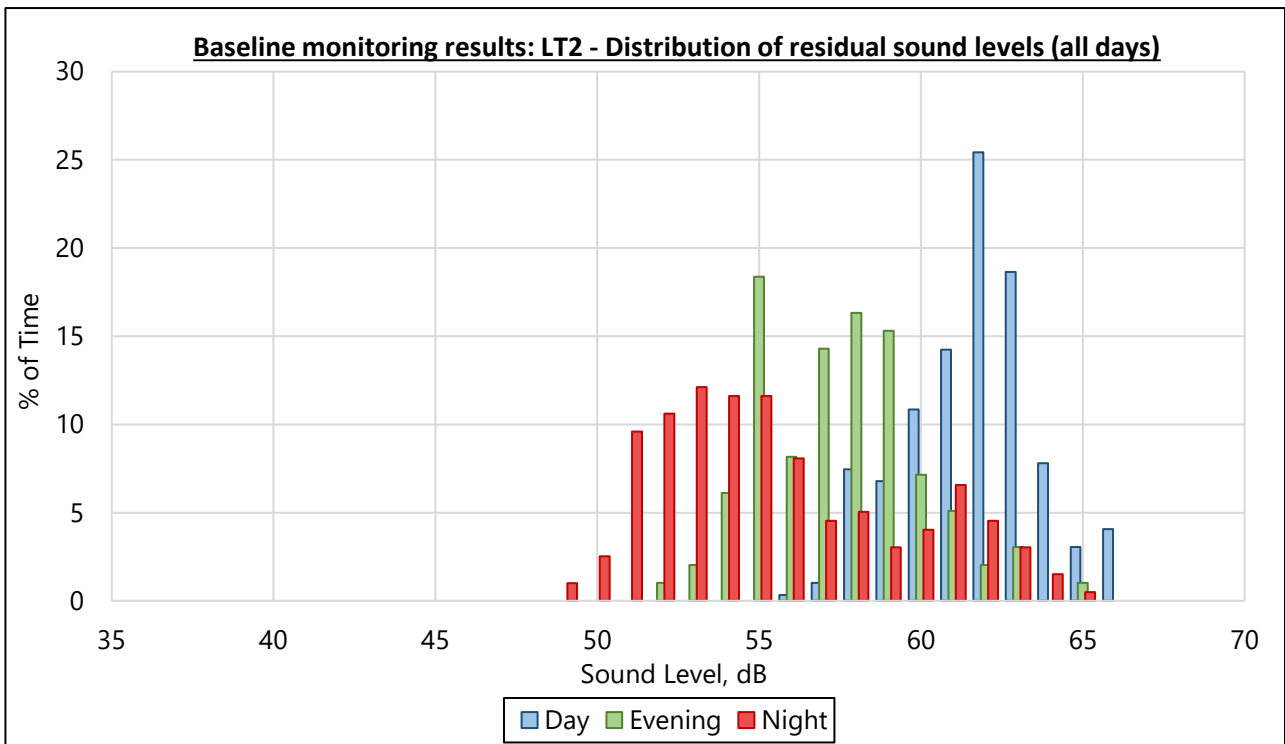


Table 3.6 Summary of measured sound levels at LT2, weekend BS 5228-1 periods

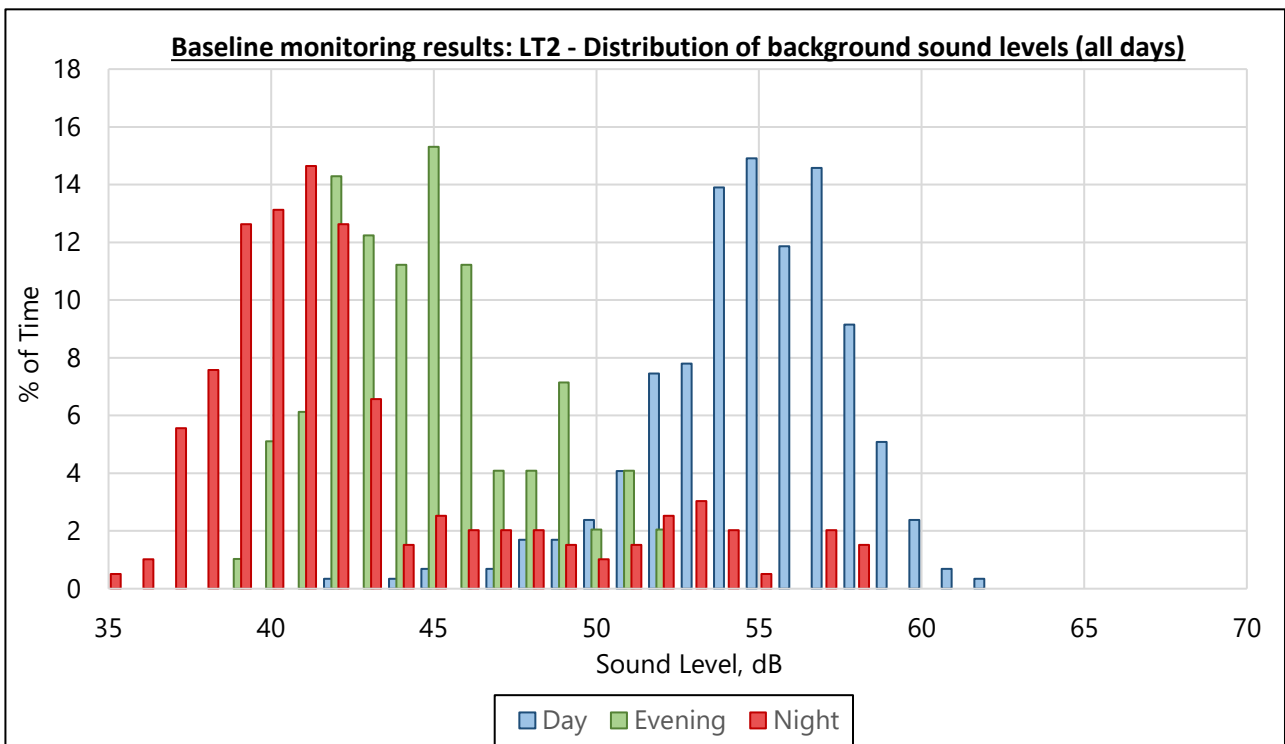
	Background sound level, dB $L_{A90,T}$			Residual sound level, dB $L_{Aeq,T}$			Maximum sound level, dB $L_{AFmax,T}$		
	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs
<b>Range</b>	49 - 54	52 - 54	40 - 58	57 - 59	58 - 58	53 - 63	65 - 73	66 - 68	67 - 78
<b>25<sup>th</sup> %ile</b>	51	53	47	58	58	58	67	66	69
<b>Median</b>	52	53	52	58	58	60	67	67	70
<b>75<sup>th</sup> %ile</b>	53	53	55	59	58	61	68	67	71
<b>Arithmetic average</b>	52	53	51	58	58	59	68	67	70
<b>Logarithmic average</b>	-	-	-	58	58	60	-	-	-



**Graphic 3.5 Results of long term monitoring: LT2 - Distribution of measured residual sound levels, all days**



**Graphic 3.6 Results of long term monitoring: LT2 - Distribution of measured background sound levels, all days**



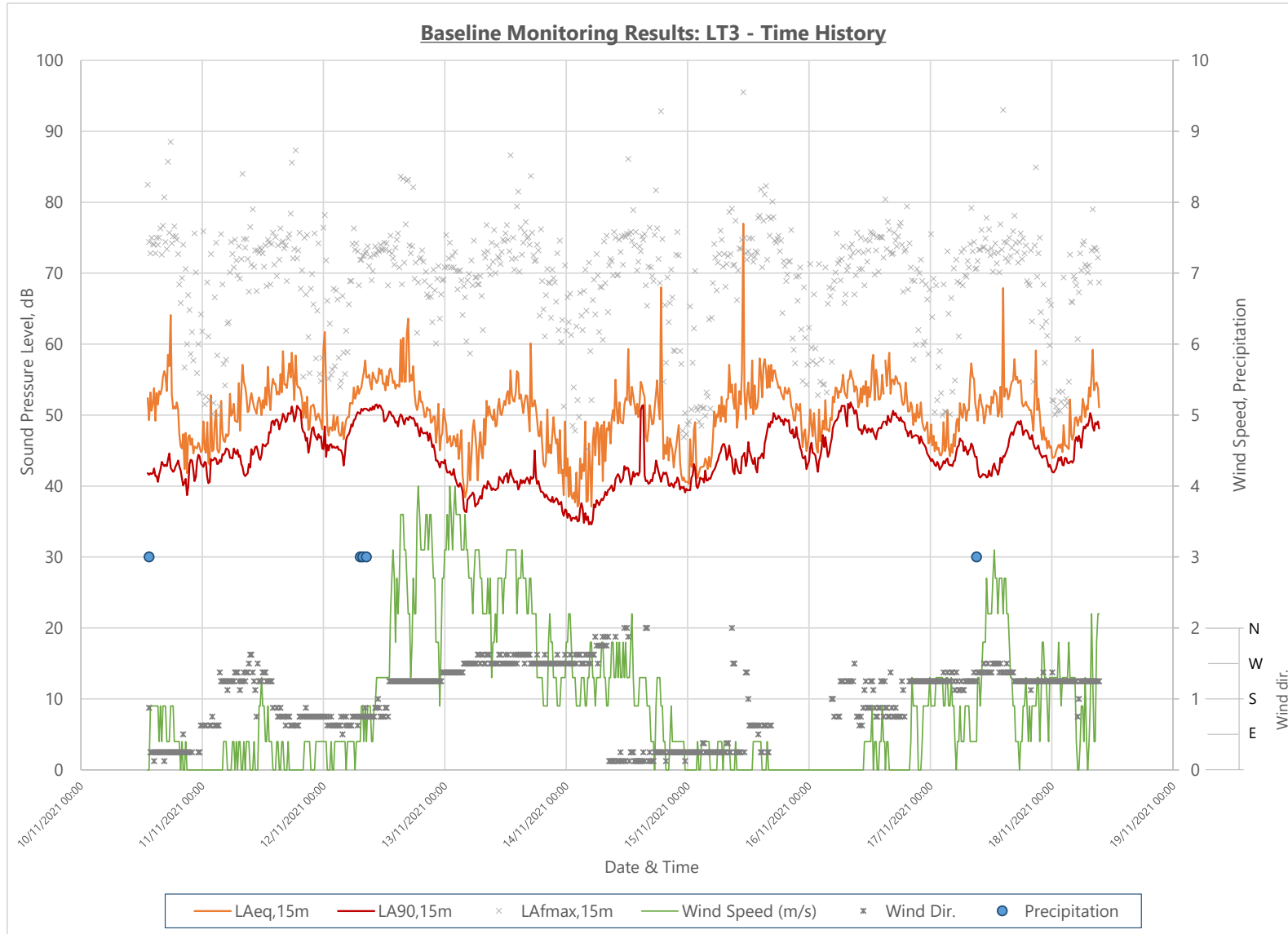
**LT3**

3.1.4

The time history chart indicating the measured sound levels over the whole monitoring period at LT3 is presented in **Graphic 3.7 Results of long term monitoring: LT3 - Time history**. Summaries of the results for weekdays, weekends and weekend BS 52281-1 periods, respectively, are presented in **Table 3.7**, **Table 3.8** and **Table 3.9**. Distribution charts are provided in **Graphic 3.8 Results of long term monitoring: LT3 - Distribution of measured residual sound levels, all days** and **Graphic 3.9 Results of long term monitoring: LT3 - Distribution of measured background sound levels, all days**



Graphic 3.7 Results of long term monitoring: LT3 - Time history



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**Table 3.7 Summary of measured sound levels at LT3, weekdays**

	Background sound level, dB L <sub>A90,T</sub>			Residual sound level, dB L <sub>Aeq,T</sub>			Maximum sound level, dB L <sub>AFmax,T</sub>		
	Day	Evening	Night	Day	Evening	Night	Day	Evening	Night
<b>Range</b>	41 - 52	39 - 51	39 - 51	48 - 77	42 - 59	40 - 62	64 - 96	55 - 85	49 - 78
<b>25<sup>th</sup> %ile</b>	44	44	43	52	48	45	72	62	54
<b>Median</b>	48	47	44	54	50	48	74	69	64
<b>75<sup>th</sup> %ile</b>	49	47	46	55	52	50	75	72	70
<b>Arithmetic average</b>	47	46	44	54	50	48	74	67	63
<b>Logarithmic average</b>	-	-	-	57	51	49	-	-	-

**Table 3.8 Summary of measured sound levels at LT3, weekends**

	Background sound level, dB L <sub>A90,T</sub>			Residual sound level, dB L <sub>Aeq,T</sub>			Maximum sound level, dB L <sub>AFmax,T</sub>		
	Day	Evening	Night	Day	Evening	Night	Day	Evening	Night
<b>Range</b>	38 - 51	37 - 42	35 - 40	41 - 68	42 - 52	37 - 49	61 - 93	55 - 76	45 - 73
<b>25<sup>th</sup> %ile</b>	40	38	35	49	44	39	71	63	52
<b>Median</b>	41	39	36	50	46	42	74	68	63
<b>75<sup>th</sup> %ile</b>	42	41	38	52	47	44	75	71	67
<b>Arithmetic average</b>	41	39	37	51	46	42	73	67	60
<b>Logarithmic average</b>	-	-	-	53	47	44	-	-	-

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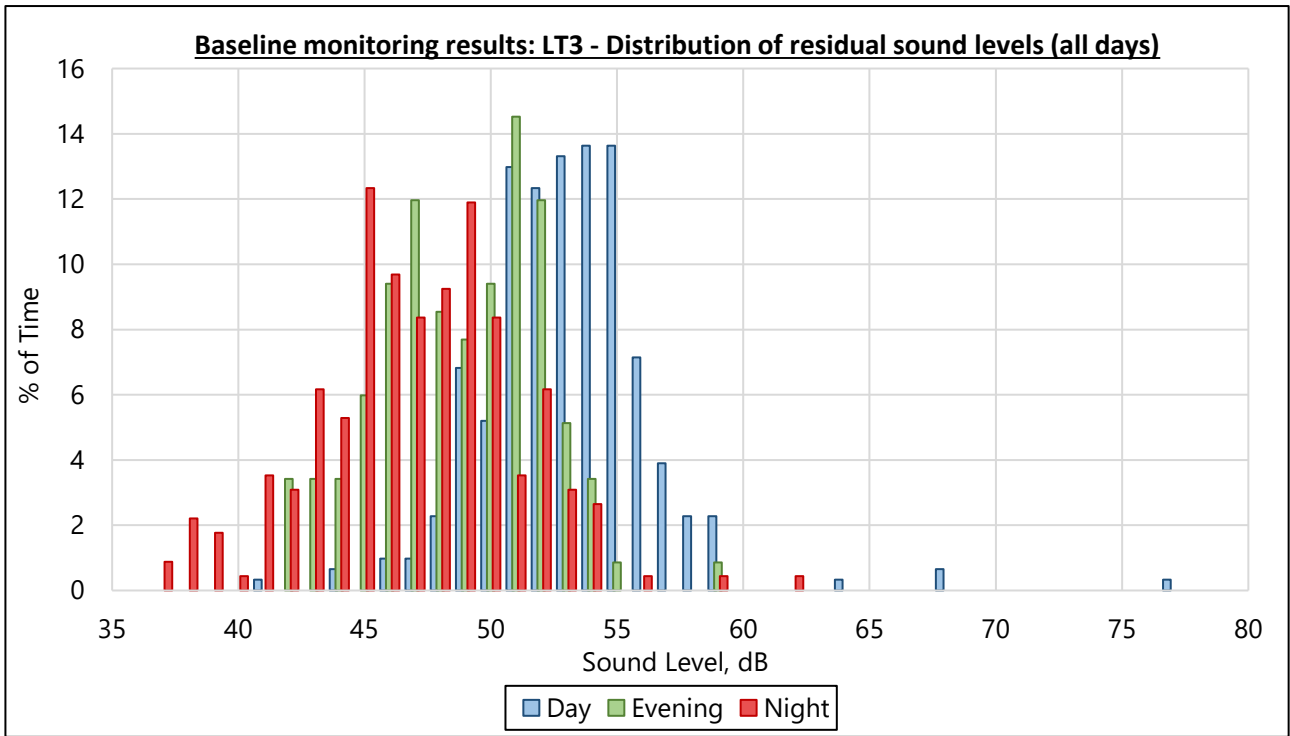


Table 3.9 Summary of measured sound levels at LT3, weekend BS 5228-1 periods

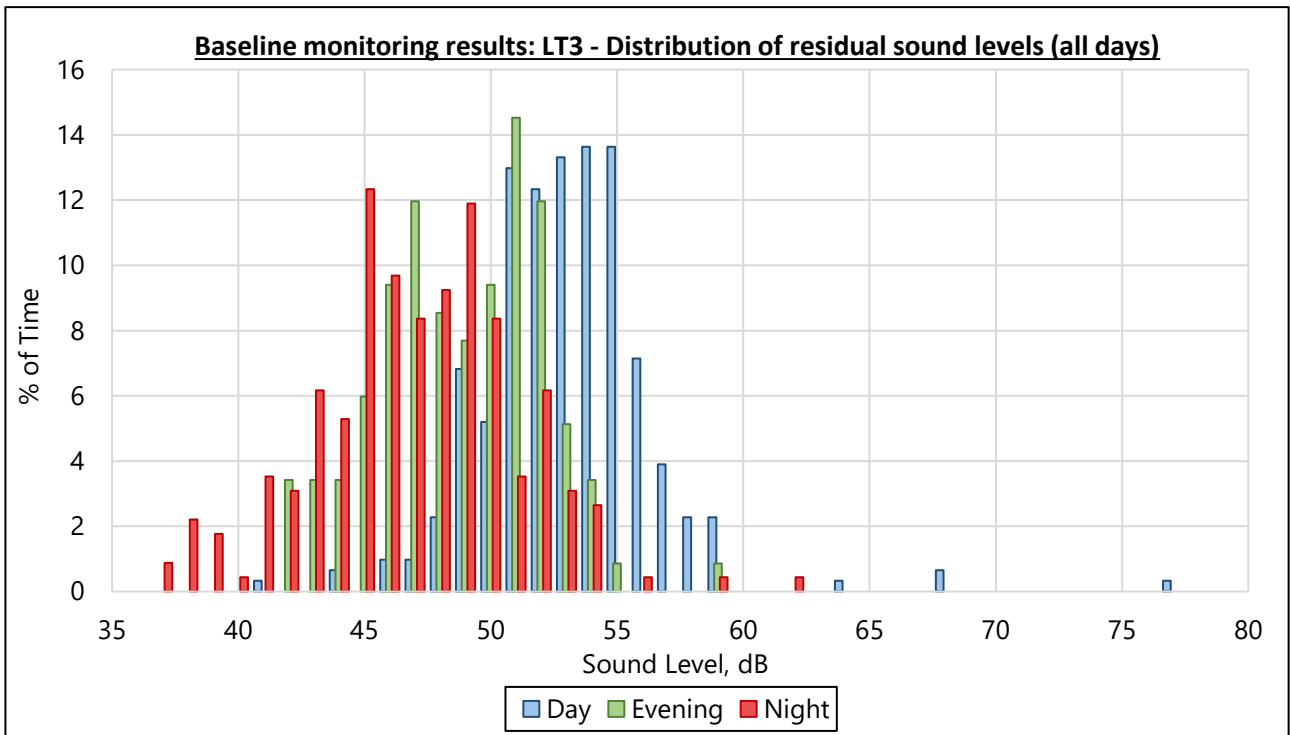
	Background sound level, dB $L_{A90,T}$			Residual sound level, dB $L_{Aeq,T}$			Maximum sound level, dB $L_{AFmax,T}$		
	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs
<b>Range</b>	39 - 41	41 - 41	38 - 51	46 - 52	50 - 56	41 - 68	70 - 77	74 - 79	55 - 93
<b>25<sup>th</sup> %ile</b>	40	41	40	49	52	47	72	76	69
<b>Median</b>	40	41	41	50	53	49	73	77	72
<b>75<sup>th</sup> %ile</b>	41	41	42	51	55	52	75	78	75
<b>Arithmetic average</b>	40	41	41	50	53	49	73	77	71
<b>Logarithmic average</b>	-	-	-	50	54	53	-	-	-



**Graphic 3.8 Results of long term monitoring: LT3 - Distribution of measured residual sound levels, all days**



**Graphic 3.9 Results of long term monitoring: LT3 - Distribution of measured background sound levels, all days**





## 3.2 Short term measurements

3.2.1 Short term measurements were undertaken at eight locations, as described in **Table 2.1 Summary of monitoring locations**.

3.2.2 The results of the short term monitoring are displayed in **Table 3.10** to **Table 3.17**, including the averages for each period (daytime, evening, and night-time). For each measurement location and period,  $L_{Aeq,T}$  sound levels have been logarithmically averaged, statistical sound levels ( $L_{An,T}$ ) have been arithmetically averaged, and the range of measured  $L_{Amax}$  levels has been reported.

**Table 3.10 Short term measurement data collected at ST-LT1**

Start date and time	Period	Sound pressure level, dB					Noise environment comments
		$L_{Aeq,T}$	$L_{Amax}$	$L_{A10,T}$	$L_{A50,T}$	$L_{A90,T}$	
17/11/2021 13:15	D	52	61	54	52	50	A low frequency whirring from a distant chiller, occasional HGVs and white noise beepers from nearby industrial sites dominate with distant road traffic noise and birdsong also audible.
11/11/2021 09:40	D	49	61	51	48	46	
11/11/2021 09:55	D	49	69	51	47	45	
11/11/2021 14:23	D	55	77	55	52	50	
11/11/2021 14:38	D	54	76	55	53	51	
10/11/2021 19:04	E	48	69	50	46	43	A low frequency whirring from a distant chiller, occasional HGVs from nearby industrial sites and road traffic noise dominant. Some distant alarms also audible.
10/11/2021 19:19	E	45	57	47	44	41	
16/11/2021 20:06	E	51	62	53	51	48	
16/11/2021 20:53	E	51	62	54	51	48	
10/11/2021 23:54	N	44	70	45	43	41	A low frequency whirring from a distant chiller and distant road traffic noise are just audible. There is also some occasional HGV movements from nearby industrial sites.
11/11/2021 00:09	N	45	63	47	42	41	
11/11/2021 01:47	N	45	73	46	43	41	
11/11/2021 02:02	N	46	69	48	43	41	
<b>Daytime, all samples</b>		52	61 - 77	53	50	48	
<b>Evening, all samples</b>		50	57 - 69	51	48	45	
<b>Night-time, all samples</b>		45	63 - 73	47	43	41	





Table 3.11 Short term measurement data collected at ST1 Alternative

Start date and time	Period	Sound pressure level, dB					Noise environment comments
		$L_{Aeq,T}$	$L_{Amax}$	$L_{A10,T}$	$L_{A50,T}$	$L_{A90,T}$	
11/11/2021 11:26	D	49	69	50	48	47	Distant continuous low frequency industrial plant noise from the east dominates, with the surrounding local road network traffic noise audible and dominating the background levels. An occasional distant reversing alarm was audible along with birdsong.
11/11/2021 11:45	D	49	59	51	49	48	
10/11/2021 14:30	D	46	66	47	45	44	
10/11/2021 14:45	D	45	62	46	45	44	
17/11/2021 13:41	D	51	63	52	51	49	
16/11/2021 20:32	E	49	62	50	49	46	Distant continuous low frequency industrial plant rumble from the east dominant, with the surrounding local road network traffic noise audible and dominating the background levels (however quieter than the daytime period). Occasional clangs from the industrial area were audible.
10/11/2021 20:24	E	45	65	46	45	44	
10/11/2021 20:41	E	45	54	46	44	43	
16/11/2021 21:23	E	50	60	52	49	48	
11/11/2021 00:38	N	46	51	47	45	44	Distant continuous low frequency industrial plant noise from the east dominates, with the surrounding local road network traffic noise also audible.
11/11/2021 00:53	N	47	54	48	46	45	
11/11/2021 01:08	N	47	52	48	46	44	
11/11/2021 01:23	N	47	56	48	47	45	
<b>Daytime, all samples</b>		48	59 - 69	49	47	46	
<b>Evening, all samples</b>		48	54 - 65	49	47	45	
<b>Night-time, all samples</b>		46	51 - 56	48	46	45	



Table 3.12 Short term measurement data collected at ST2

Start date and time	Period	Sound pressure level, dB					Noise environment comments
		$L_{Aeq,T}$	$L_{Amax}$	$L_{A10,T}$	$L_{A50,T}$	$L_{A90,T}$	
12/11/2021 09:36	D	50	63	51	50	48	Distant road traffic noise most dominant noise source, with some industrial chiller noise also audible. Occasional vehicles and reverse beeper alarms, along with some clangs from industrial sites, also audible.
12/11/2021 09:51	D	50	62	51	50	49	
11/11/2021 15:03	D	48	70	50	46	45	
11/11/2021 15:18	D	48	66	50	46	45	
17/11/2021 14:45	D	46	59	47	45	43	
10/11/2021 19:44	E	37	62	38	37	35	Distant road traffic noise and industrial chiller noise are equally audible and dominant. Birdsong also audible.
10/11/2021 19:59	E	37	52	37	35	34	
16/11/2021 21:45	E	46	57	47	45	44	
17/11/2021 00:40	N	42	56	44	41	40	Broadband industrial plant noise dominates, with some road traffic noise barely audible.
17/11/2021 00:55	N	42	60	43	41	40	
17/11/2021 01:27	N	42	54	43	42	40	
17/11/2021 01:42	N	41	56	43	41	40	
<b>Daytime, all samples</b>		49	59 - 70	50	47	46	
<b>Evening, all samples</b>		37	52 - 62	38	36	34	
<b>Night-time, all samples</b>		42	54 - 60	43	41	40	



Table 3.13 Short term measurement data collected at ST3

Start date and time	Period	Sound pressure level, dB					Noise environment comments
		$L_{Aeq,T}$	$L_{Amax}$	$L_{A10,T}$	$L_{A50,T}$	$L_{A90,T}$	
11/11/2021 09:43	D	71	87	75	67	60	Road traffic noise from Weasenham Lane was constant and dominant. Noise from an adjacent car mechanic (hydraulic sounds, workers voices) also audible. Birdsong and passing pedestrian noise also present during measurement.
11/11/2021 09:57	D	72	88	76	67	58	
10/11/2021 16:15	D	75	101	75	67	60	
10/11/2021 16:30	D	72	92	75	69	61	
17/11/2021 14:19	D	71	89	75	67	58	
16/11/2021 21:18	E	64	83	66	50	47	Road traffic noise from Weasenham Lane constant and dominant. During periods of few car movements, industry including impulsive hammering and fan noise in the distance was audible.
10/11/2021 19:01	E	70	93	74	66	56	
10/11/2021 19:16	E	69	86	73	61	49	
16/11/2021 19:55	E	70	90	74	60	49	
17/11/2021 01:17	N	56	80	48	46	45	Continuous industrial plant (fans/chiller) noise dominates. Occasional traffic pass-bys were dominant when occurring, though this was infrequent.
17/11/2021 01:32	N	58	81	49	45	44	
12/11/2021 00:00	N	55	73	58	50	47	
12/11/2021 00:21	N	59	71	61	59	51	
<b>Daytime, all samples</b>		72	87 - 101	75	67	59	
<b>Evening, all samples</b>		69	83 - 93	72	59	50	
<b>Night-time, all samples</b>		57	71 - 81	54	50	47	



Table 3.14 Short term measurement data collected at ST4

Start date and time	Period	Sound pressure level, dB					Noise environment comments
		$L_{Aeq,T}$	$L_{Amax}$	$L_{A10,T}$	$L_{A50,T}$	$L_{A90,T}$	
11/11/2021 10:28	D	59	85	55	52	48	Industrial plant noise (chiller) dominates, along with local road traffic noise which is a significant source. Some light commercial and industrial noise from surrounding units (including hand tool type noise) also audible, along with the occasional vehicle reverse alarm.
11/11/2021 10:46	D	53	79	55	51	47	
11/11/2021 14:27	D	54	78	55	52	48	
11/11/2021 14:44	D	55	78	57	53	49	
17/11/2021 12:15	D	61	81	61	54	50	
10/11/2021 19:37	E	55	71	56	53	50	Local road traffic noise dominates the background with a high HGV ratio. Some industrial plant (chiller/generator/AHU) dominates, although intermittent in nature. Distant HGVs and reverse alarms also audible.
10/11/2021 19:52	E	54	65	57	52	45	
16/11/2021 20:22	E	54	60	57	53	49	
12/11/2021 00:41	N	56	71	61	50	48	Considerable HGV movements around industrial estate, along with plant movement including reverse alarms, hydraulic sounds, engine sounds, dominates. Road traffic noise from the surrounding local road network, along with multiple industrial sources, dominate the background levels.
12/11/2021 01:03	N	58	74	61	44	38	
<b>Daytime, all samples</b>		58	78 - 85	57	52	48	
<b>Evening, all samples</b>		54	60 - 71	57	53	48	
<b>Night-time, all samples</b>		57	71 - 74	61	47	43	



Table 3.15 Short term measurement data collected at ST5

Start date and time	Period	Sound pressure level, dB					Noise environment comments
		$L_{Aeq,T}$	$L_{Amax}$	$L_{A10,T}$	$L_{A50,T}$	$L_{A90,T}$	
11/11/2021 11:03	D	64	75	67	63	58	Road traffic noise from Elm High Road dominant.
11/11/2021 11:18	D	64	79	66	63	58	
10/11/2021 15:15	D	65	86	68	63	57	
10/11/2021 15:30	D	65	88	67	63	58	
17/11/2021 12:46	D	67	77	70	67	59	
16/11/2021 20:59	D	61	74	65	58	51	
16/11/2021 23:37	N	55	72	58	50	44	Less road traffic than during the daytime period, however road traffic noise from Elm High Road still dominates.
16/11/2021 23:52	N	54	72	57	48	44	
17/11/2021 00:07	N	55	72	58	47	43	
17/11/2021 00:22	N	56	77	55	47	44	
12/11/2021 01:18	N	55	77	53	44	40	
12/11/2021 01:39	N	46	64	48	38	35	
<b>Daytime, all samples</b>		65	74 - 88	67	63	57	
<b>Night-time, all samples</b>		54	64 - 77	55	46	41	



Table 3.16 Short term measurement data collected at ST6

Start date and time	Period	Sound pressure level, dB					Noise comments	environment
		$L_{Aeq,T}$	$L_{Amax}$	$L_{A10,T}$	$L_{A50,T}$	$L_{A90,T}$		
17/11/2021 13:08	D	57	67	60	57	54	Continuous road traffic noise from A47 dominates. Some jet washing at a car wash and birdsong also audible.	
11/11/2021 10:20	D	59	68	62	58	51		
11/11/2021 10:35	D	58	66	62	58	51		
11/11/2021 14:45	D	58	73	60	57	53		
17/11/2021 15:18	D	61	66	63	61	57		
18/11/2021 01:31	N	43	58	47	41	39	Road traffic noise from A47 and surrounding local road network dominant. When road traffic not present, industry noise from the west was clearly dominant. Some wind in trees also audible when present.	
18/11/2021 01:46	N	46	58	49	44	41		
12/11/2021 01:39	N	46	64	48	38	35		
12/11/2021 01:54	N	48	66	52	42	36		
17/11/2021 00:44	N	50	64	54	42	38		
17/11/2021 00:59	N	45	64	44	40	38		
<b>Daytime, all samples</b>		59	66 - 73	61	58	53		
<b>Night-time, all samples</b>		47	58 - 66	49	41	38		



Table 3.17 Short term measurement data collected at ST11

Start date and time	Period	Sound pressure level, dB					Noise environment comments
		$L_{Aeq,T}$	$L_{Amax}$	$L_{A10,T}$	$L_{A50,T}$	$L_{A90,T}$	
17/11/2021 14:43	D	65	82	69	61	52	Road traffic noise from A47 dominant. Some birdsong along with wind in trees also audible when present.
12/11/2021 09:41	D	58	67	60	57	54	
12/11/2021 09:57	D	57	75	60	56	53	
11/11/2021 15:21	D	57	73	60	56	52	
11/11/2021 15:45	D	57	73	60	56	51	
17/11/2021 15:43	D	59	67	62	58	52	
18/11/2021 00:41	N	53	72	56	43	38	Road traffic noise from A47 dominant. Industry noise just audible during lulls in road traffic (faint hum from the direction of the substation).
18/11/2021 00:56	N	57	82	51	40	35	
18/11/2021 01:11	N	56	79	54	42	37	
17/11/2021 00:00	N	46	62	49	40	35	
17/11/2021 00:16	N	46	64	48	39	35	
<b>Daytime, all samples</b>		60	67 - 82	62	57	52	
<b>Night-time, all samples</b>		53	62 - 82	52	41	36	



## 4. Discussion

### 4.1 The influence of the COVID-19 pandemic on ambient sound conditions

- 4.1.1 During the monitoring, there were no national or local lockdowns in place to control the spread of the COVID-19 pandemic. Comparisons provided in **Section 4.3** of monitoring data acquired prior to the start of the pandemic, and during the most recent monitoring (particularly at more comparable locations at LT1 and LT2) indicate negligible differences in measured sound levels.
- 4.1.2 In accordance with the IOA and ANC's '*Joint Guidance on the Impact of COVID-19 on the Practicality and Reliability of Baseline Sound Level Surveying and the Provision of Sound & Noise Impact Assessments*' (Association of Noise Consultants and the Institute of Acoustics, 2020), where monitoring locations were within areas covered by the Strategic noise maps produced under the Environmental Noise (England) Regulations, 2006 (as amended), comparisons were made to determine the validity of the monitoring results. The results of the comparison are provided in **Table 4.1 Comparison of monitoring results with 2017 strategic noise mapping predicted road noise levels** below.

**Table 4.1 Comparison of monitoring results with 2017 strategic noise mapping predicted road noise levels**

Location	2021 Survey Results		2017 Strategic Noise Mapping Indicative Predicted Road Noise Level		Difference (2021 results minus 2017 predicted road noise levels)	
	Daytime, dB L <sub>Aeq,T</sub>	Night-time, dB L <sub>Aeq,T</sub>	Daytime, dB L <sub>Aeq,16h</sub>	Night-time, dB L <sub>night</sub>	Daytime, dB	Night-time, dB
ST5	65	54	65	60	0	-6
ST6	59	47	60	53	-1	-6
ST11	60	53	58	50	+2	+3

- 4.1.3 The differences in measured and predicted sound levels presented in **Table 4.1 Comparison of monitoring results with 2017 strategic noise mapping predicted road noise levels** tend to be equal to, or less than,  $\pm 3$  dB. These differences are acceptable and indicate that the measured road noise levels were relatively unaffected by any influence of the COVID-19 pandemic and are, therefore, valid for the purposes of the assessment.
- 4.1.4 Reductions of 6 dB are observed at ST5 and ST6 in the night-time between 2017 and 2020. It would be expected that greater variability would be observed in the night-time road noise levels because the traffic flows and percentage of HGVs vary





more throughout the night-time period and these variations will have a greater impact upon the measured levels. During the monitoring there were fewer samples taken during the night-time, and, in any case, lower measured sound levels will yield a more robust assessment. The 6 dB differences are therefore considered acceptable and the measured night-time sound levels are considered valid for the purposes of the assessment.

- 4.1.5 On the basis of the above, and taking into account the validation presented below in **Section 4.3**, it is considered that the influence of the COVID-19 pandemic on ambient sound conditions was negligible, and that the results of the monitoring were not unduly affected by any variations in local activity that may have occurred due to the pandemic.

## 4.2 Analysis of results

### Long-term monitoring locations

- 4.2.1 For the purposes of determining representative sound levels for the operational noise assessment in accordance with BS 4142:2014, the discussion of monitoring results acquired at the long-term monitoring locations considers all results except those contained in the summary tables provided for the BS 5228-1 weekend periods.
- 4.2.2 Full summaries of the BS 5228-1 weekend periods are provided above for completeness. However, to provide representative sound levels for the assessment of construction noise, the measured logarithmic average sound levels will be used (with exclusions for adverse weather conditions, and corrections for location as set out in **Section 4.3**), in accordance with the ABC method provided in BS 5228-1.

### LT1c

- 4.2.3 The time history provided in **Graphic 3.1 Results of long term monitoring: LT1c - Time** history shows a typical diurnal pattern of background and residual levels being higher during the daytime period than evening and night-time (with the exception of periods where high wind gusts were experienced, which have since been removed from the data analysis as explained in **Section 2.2**). The results in **Table 3.1 Summary of measured sound levels at LT1c: weekdays** and **Table 3.2 Summary of measured sound levels at LT1c: weekends** show that, during both weekdays and weekends, median evening and night-time sound levels are similar (1 dB difference in residual levels and background levels), with night-time sound levels slightly lower than during the evening.
- 4.2.4 The distribution of data indicated in **Graphic 3.2 Results of long term monitoring: LT1c - Distribution of measured residual sound levels, all days** and **Graphic 3.3 Results of long term monitoring: LT1c - Distribution of measured background sound levels, all days** also shows a typical diurnal pattern, with the most commonly occurring daytime sound levels higher than during the evening, and with lower most commonly occurring night-time sound levels. However, the spread of the most commonly occurring levels over the different periods is small, with less than 5 dB difference between the most common daytime residual and background sound levels and most common night-time residual and



background levels. This low spread and small variation across the different time periods is a strong indication that a continuous noise source/sources are dominating the measured sound levels.

- 4.2.5 The subjective observations in **Annex E** indicate that noise emanating from the industrial area to the north dominates the background, with road traffic noise from the surrounding road network also a significant contributor. Plant activity at the site adjacent to the monitoring location was also audible during the set up and collection of the long term.
- 4.2.6 In consideration of the median residual sound levels and 25<sup>th</sup> percentile background sound levels, comparison of the results in **Table 3.1 Summary of measured sound levels at LT1c: weekdays** and **Table 3.2 Summary of measured sound levels at LT1c: weekends** show that there is little variation between weekday and weekend sound levels. The observed variances are between  $\pm 2$  dB.
- 4.2.7 The difference between the 25<sup>th</sup> percentile and median of the background sound levels is 1 to 2 dB, with the 75<sup>th</sup> percentile only 1 to 2 dB greater than the median, yielding limited interquartile ranges (IQRs) of 2 to 3 dB. It is also noted that the IQRs for the different periods overlap. The small differences between the different periods, and the low variance between weekday and weekend sound levels, provide strong indications that a continuous noise source/sources are dominating the measured sound levels and causing minimal variation in the sound levels throughout all days and times of day.
- 4.2.8 The subjective observations support the analysis provided above which indicates that the low variation of sound levels across different time periods are due to the dominance of continuous industrial noise sources, particularly during the evening and night-time.
- 4.2.9 Based on the above, the 25<sup>th</sup> percentile background sound levels are considered representative of sound levels that occur for the majority of the time. Therefore, using the 25<sup>th</sup> percentile background sound levels in the assessment will provide a robust approach.
- 4.2.10 In consideration of residual sound levels, the median is considered representative. As observed in the distribution charts, the median values occur for 20% of the daytime and night-time, and 23% of the evening. It is also noted that the median levels are lower than both the arithmetic and logarithmic averages and are only 1 to 2 dB higher than the 25<sup>th</sup> percentile. Therefore, the median sound levels are considered representative for the assessment and will yield a robust approach.
- 4.2.11 In consideration of extraneous noise events, it is observed that the time history chart presented in **Graphic 3.1 Results of long term monitoring: LT1c - Time history** indicates that measured  $L_{Aeq,T}$  sound levels and, to a lesser extent,  $L_{A90,T}$  sound levels were occasionally affected by events that caused elevated sound levels. This is most noticeable on Monday 15 November 2021 and Wednesday 17 November 2021. The 25<sup>th</sup> percentile background sound levels and median residual levels would not be significantly influenced by infrequently occurring elevated sound levels. The events would have to occur over a substantial proportion of the measurement duration before the 25<sup>th</sup> percentile or median values would be significantly shifted. Based on this, it is considered that extraneous/unrepresentative



events apparent in the dataset have not confounded the determination of appropriate representative sound levels that will be used in the assessment.

### *LT2 Alternative*

- 4.2.12 The time history provided in **Graphic 3.4 Results of long term monitoring: LT2 - Time** history shows a typical diurnal pattern of background and residual levels being higher during the daytime period than evening and night-time.
- 4.2.13 The subjective observations in **Annex E** indicate that the acoustic environment at this location is dominated by road traffic on A47, with some industrial fan type noise audible during lulls in traffic.
- 4.2.14 The distribution of data indicated in **Graphic 3.5** and **Graphic 3.6** also shows a typical diurnal pattern, with the most commonly occurring daytime sound levels higher than during the evening, and with lower most commonly occurring night-time sound levels. The spread of the most commonly occurring levels over the different periods is large, with 9 dB difference between the most common daytime and night-time residual sound levels and 14 dB difference between the most common daytime and night-time background sound levels. The significant differences between daytime and night-time sound levels indicates that the area may be dominated by noise from road traffic, which can give rise to a typical diurnal variation in sound levels.
- 4.2.15 In consideration of the median residual sound levels and 25<sup>th</sup> percentile background sound levels, comparison of the results in **Table 3.4** and **Table 3.5** show that there is some limited variation between weekday and weekend sound levels. Observed variances are between  $\pm 3$  dB and indicate slightly lower sound levels during the weekend.
- 4.2.16 The difference between the 25<sup>th</sup> percentile and median background sound levels is 2 to 3 dB, with the 75<sup>th</sup> percentile 1 to 3 dB greater than the median. The IQRs of the background sound levels are 4 to 5 dB. It is noted that there is little overlap in the IQRs for the different periods. IQRs of residual sound levels are similarly limited, with a daytime IQR of 3 dB and a night-time IQR of 5 dB. The small range in IQR's is a strong indication that sound levels are quite consistent in each period. The variation between periods, indicating typical diurnal variation, suggest that road traffic noise is likely the dominant source affecting LT2 Alternative.
- 4.2.17 The subjective observations support the analysis provided above which concludes that the variation of sound levels across different time periods are likely due to the dominance of road traffic noise.
- 4.2.18 Based on the above, the 25<sup>th</sup> percentile background sound levels are considered representative of sound levels that occur for the majority of the time. Therefore, using the 25<sup>th</sup> percentile background sound levels in the assessment will provide a robust approach.
- 4.2.19 In consideration of residual sound levels, the median is considered representative. As shown in the distribution charts, the median values occur for 25% of the daytime, 18% of the evening and 12% of the night-time. It is noted that the median levels are the same or lower than both the arithmetic and logarithmic averages (with the exception of the evening arithmetic average being 1 dB lower than the median) and



are only 2 to 3 dB higher than the 25<sup>th</sup> percentile. Therefore, the median sound levels are considered representative for the assessment and will yield a robust approach.

4.2.20 In consideration of extraneous noise events, it is observed that the time history chart presented in **Graphic 3.4 Results of long term monitoring: LT2 - Time history** indicates a very consistent diurnal pattern with only one very limited period with elevated sound levels which may be unrepresentative, which occurred on Monday 15 November 2021. The 25<sup>th</sup> percentile background sound levels and median residual levels would not be significantly influenced by a single, short duration, even causing elevated sound levels. As such, extraneous events have not confounded the determination of appropriate representative sound levels to be used in the assessment.

### LT3

4.2.21 The time history provided in **Graphic 3.7 Results of long term monitoring: LT3 - Time history** shows a typical diurnal pattern of background and residual levels being higher during the daytime period than evening and night-time (with the exception of periods where high wind gusts were experienced, which have since been removed from the data analysis as explained in **Section 2.2**). However, results in **Table 3.7 Summary of measured sound levels at LT3, weekdays** and **Table 3.8 Summary of measured sound levels at LT3, weekends** show that the 25<sup>th</sup> percentile background sound levels are identical during the daytime and evening on weekdays and only 2 dB lower during the evening on weekends. Residual sound levels show a similar pattern of variation with small differences between daytime, evening and night-time on weekdays and slightly greater differences between periods on weekends.

4.2.22 The subjective observations in **Annex E** indicate that the adjacent roads and local transport network dominated the background sound levels. Observations also note contributions from plant associated with the adjacent supermarket, idling HGVs and barking dogs.

4.2.23 The distribution of data indicated in **Graphic 3.8 Results of long term monitoring: LT3 - Distribution of measured residual sound levels, all days** and **Graphic 3.9 Results of long term monitoring: LT3 - Distribution of measured background sound levels, all days** are also indicative of a typical diurnal pattern. However, the spread of the most commonly occurring levels over the different periods is limited, with the most commonly occurring daytime, evening and night-time residual sound levels within a 10 dB range, and the most commonly occurring daytime, evening and night-time background sound levels within a 6 dB range. The distribution charts indicate that nearby activity, at a fairly consistent sound level, is dominating the measured sound levels during the daytime and evening, with slightly reduced sound levels during the night-time.

4.2.24 In consideration of the median residual sound levels and 25<sup>th</sup> percentile background sound levels, comparison of the results in **Table 3.7 Summary of measured sound levels at LT3, weekdays** and **Table 3.8 Summary of measured sound levels at LT3, weekends** show that weekends have significantly lower sound levels than weekdays, with weekend sound levels between 3 to 8 dB lower than on weekdays.



- 4.2.25 The difference between the 25<sup>th</sup> percentile and median background sound levels is 2 to 4 dB, with the 75<sup>th</sup> percentile being 1 to 4 dB greater than the median. IQRs are between 3 to 7 dB, with the greatest range during the daytime and the lowest range during the night-time. The differences between the different periods indicate that nearby activity is dominating the measured sound levels during the daytime and evening with slightly reduced levels during the night-time.
- 4.2.26 The subjective observations support the analysis provided above which indicates that the variation of sound levels across different time periods are due to the activity on the local road network and the adjacent supermarket, particularly during the daytime with similar sound levels in the evening and reduced sound levels during the night-time.
- 4.2.27 Based on the above, the 25<sup>th</sup> percentile background sound levels are considered representative of sound levels that occur for the majority of the time. Therefore, using the 25<sup>th</sup> percentile background sound levels in the assessment will provide a robust approach.
- 4.2.28 In consideration of residual sound levels, the median is considered representative. As shown in the distribution charts, the median values occur for 13% of the daytime, 8% of the evening and 8% of the night-time. It is noted that the median levels are the same or lower than both the arithmetic and logarithmic averages. The 25<sup>th</sup> percentile and 75<sup>th</sup> percentile levels are within 2 to 3 dB of the Median. Therefore, the median sound levels are considered representative for the assessment and will yield a robust approach.
- 4.2.29 In consideration of extraneous noise events, it is observed that the time history chart presented in **Graphic 3.7 Results of long term monitoring: LT3 - Time history** indicates that measured  $L_{Aeq,T}$  sound levels were occasionally affected by isolated events that caused elevated sound levels. These are noted to have occurred on Sunday 14 November 2021, Monday 15 November 2021 and Wednesday 17 November 2021. The events would have to occur over a substantial proportion of the measurement duration before the median values would be significantly shifted. Based on this, it is considered that extraneous/unrepresentative events apparent in the dataset have not confounded the determination of appropriate representative sound levels that will be used in the assessment.

## Short term monitoring locations

### ST-LT1

- 4.2.30 The measurement data presented in **Table 3.10 Short term measurement data collected at ST-LT1** shows some variation in residual and background sound levels across the different time periods. There is some evidence of typical diurnal variation as the daytime and evening levels are higher than those measured during the night-time.
- 4.2.31 Individual daytime and evening residual sound levels are similar throughout, with minimal variation in the night-time. With reference to average sound levels, the residual sound levels are fairly consistent throughout the day and evening.





Background sound levels are also consistent, as they are similar during the daytime and evening and 4 dB lower during the night-time.

4.2.32 The variation in sound levels indicates that the sources influencing the measurement location are fairly consistent during the day and evening, and more so during the night-time, where the results indicate that continuous noise, likely emanating from the Kirk coachworks premises, is dominant during the night-time.

4.2.33 The subjective observations in **Annex F** concur with the above considerations, as they state that continuous industrial noise dominated the local sound environment at all times. It was also noted the monitoring location was influenced by distant road traffic which was audible during the day and evening, and just audible during the night.

4.2.34 Based on the above and in consideration of the location, which is approximately 50 m east of the industrial area around New Bridge Lane, the average sound levels in **Table 3.10 Short term measurement data collected at ST-LT1** are considered representative of nearby NSRs.

### *ST1 Alternative*

4.2.35 The measurement data presented in **Table 3.11 Short term measurement data collected at ST1 Alternative** shows little variation in residual and background sound levels across the different time periods. There is some evidence of typical diurnal variation as the daytime and evening levels are higher than those measured during the night-time.

4.2.36 Individual daytime measurements show the most variation (6 dB in residual levels, 5 dB in background), whilst night-time measurements show the most consistency (1 dB variation in both residual and background levels). With reference to the average sound levels per period, it is observed that there is very little variation between all noise indices (1 to 2 dB), demonstrating that the sound environment tends to be consistent over a 24-hour period. The very low variation in sound levels indicate that a continuous noise source/sources are dominant at this location, particularly during the night-time.

4.2.37 The subjective observations in **Annex F** concur with the above considerations, as they state that continuous low frequency industrial noise dominated the local sound environment at all times.

4.2.38 Based on the above and in consideration of the location, which is 375 m north of A47 and next to the industrial area, the average sound levels in **Table 3.11 Short term measurement data collected at ST1 Alternative** are considered representative of nearby NSRs.

### *ST2*

4.2.39 The measurement data presented in **Table 3.12 Short term measurement data collected at ST2** shows variation in residual and background sound levels across the different time periods, providing some evidence of a diurnal variation as daytime levels are higher than night-time. However, measured evening sound levels do not follow a typical diurnal pattern as they are lower than those measured in both day and night-time periods.

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- 4.2.40 Individual evening measurements show the most variation (9 dB in residual levels, 10 dB in background), whilst night-time measurements show the most consistency (1 dB in residual levels, 0 dB in background).
- 4.2.41 The variation in sound levels indicate a potential mixture of sources with greater variability during the day and evening with a more continuous noise source/sources dominating during the night-time.
- 4.2.42 The subjective observations in **Annex F** concur with the above considerations, as they state that distant road noise was audible during the daytime and evening with industrial noise audible at all times, and industrial noise dominating in the night-time.
- 4.2.43 Based on the above and in consideration of the location, which is 250 m east of B198 and next to the industrial area, the average sound levels in **Table 3.12 Short term measurement data collected at ST2** are considered representative of nearby NSRs

### ST3

- 4.2.44 The measurement data presented in **Table 3.13 Short term measurement data collected at ST3** shows variation in residual and background sound levels across the different time periods, providing evidence of a typical diurnal variation as the daytime and evening levels are higher than those measured during the night-time
- 4.2.45 Individual evening measurements show a high degree of variation (6 dB in residual levels, 9 dB in background), whilst daytime measurements show the most consistency (4 dB in residual levels, 3 dB in background).
- 4.2.46 The variation in sound levels are consistent with a location within an industrial area, which is primarily influenced by vehicle movements on the local road network, with continuous commercial/industrial noise also contributing.
- 4.2.47 The subjective observations in **Annex F** concur with the above considerations, as they state that vehicle movements were dominant during the daytime and evening with industrial noise audible at all times.
- 4.2.48 Based on the above and in consideration of the location, which is adjacent to Weasenham Lane and near the boundary of the industrial area, the average sound levels in **Table 3.13 Short term measurement data collected at ST3** are considered representative of nearby NSRs.

### ST4

- 4.2.49 The measurement data presented in **Table 3.14 Short term measurement data collected at ST4** shows little variation in residual and background sound levels across the different time periods. These levels provide no evidence of typical diurnal variation as the daytime, evening and night-time levels show no typical pattern.
- 4.2.50 Individual daytime, evening, and night-time residual and background sound levels vary throughout, though they tend to be of a similar level at all times.
- 4.2.51 With reference to the average sound levels the residual sound levels are fairly consistent throughout all periods of the day. Background sound levels are also



consistent, as they are the same during the daytime and evening and 5 dB lower during the night-time.

- 4.2.52 The measured sound levels are consistent with a location situated within an industrial area, with the acoustic environment mainly consisting of vehicle movements, continuous industrial and commercial sound with some impulsive noise throughout the day, evening and night.
- 4.2.53 The subjective observations in **Annex F** concur with the above considerations, as they state that vehicle movements were constant during the daytime and evening with a high percentage of HGV movements throughout and into the night-time. Industrial noise was audible at all times.
- 4.2.54 Based on the above, and consideration of the location, within the industrial area, the average sound levels in **Table 3.14 Short term measurement data collected at ST4** are considered representative of nearby NSRs.

### *ST5 Alternative*

- 4.2.55 The measurement data presented in **Table 3.15 Short term measurement data collected at ST5** shows variation in residual and background sound levels across the different time periods, providing evidence of a typical diurnal variation as the daytime levels are higher than those measured during the night-time.
- 4.2.56 Individual night-time measurements show the most variation (10 dB in residual levels, 9 dB in background), whilst daytime measurements show the most consistency (6 dB variation in residual levels, 8 dB in background).
- 4.2.57 The sound levels are consistent with a location adjacent to an important road link.
- 4.2.58 The subjective observations in **Annex F** concur with the above considerations, as they state that vehicle movements were dominant throughout the daytime and night-time, but with reduced vehicle flows in the night.
- 4.2.59 Based on the above and in consideration of the location, which is adjacent to Elm High Road, the average sound levels in **Table 3.15 Short term measurement data collected at ST5** are considered representative of nearby NSRs

### *ST6*

- 4.2.60 The measurement data presented in **Table 3.16 Short term measurement data collected at ST6** shows variation in residual and background sound levels across the different time periods, providing evidence of a typical diurnal variation as the daytime levels are higher than those measured during the night-time.
- 4.2.61 Individual night-time measurements show the most variation (7 dB in residual levels, 6 dB in background), whilst daytime measurements show the most consistency (4 dB variation in residual levels, 6 dB in background).
- 4.2.62 The variation in sound levels is consistent with a location which is primarily influenced by traffic on a busy road during the day and night-time, and which is less influenced by continuous industrial sources.





4.2.63 The subjective observations in **Annex F** concur with the above considerations, as they state that vehicle movements were dominant throughout the day and night, with industry noise also audible during the night.

4.2.64 Based on the above and in consideration of the location, which is approximately 70 m to the south of the A47 and approximately 1.3 km east of the industrial area the average sound levels in **Table 3.16 Short term measurement data collected at ST6** are considered representative of nearby NSRs

### ST11

4.2.65 The measurement data presented in **Table 3.17 Short term measurement data collected at ST11** shows variation in residual and background sound levels across the different time periods, providing evidence of a typical diurnal variation as the daytime levels are higher than those measured during the night-time.

4.2.66 Residual sound levels varied greatly throughout the day and night, whereas background levels showed some consistency Individual night-time measurements show the most variation (11 dB in residual levels, 3 dB in background), compared with daytime measurements (8 dB in residual levels, 3 dB in background).

4.2.67 The variation in sound is consistent with a location which is primarily influenced by traffic on a busy road during the day and night-time, and which is less influenced by continuous industrial sources.

4.2.68 The subjective observations in **Annex F** concur with the above considerations, as they state that road traffic noise was consistent throughout the day and night, with industrial noise just audible during the night.

4.2.69 Based on the above and in consideration of the location, which is approximately 60 m to the west of the A47 and approximately 2.3 km east of the industrial area, the average sound levels in **Table 3.17 Short term measurement data collected at ST11** are considered representative of nearby NSRs

## 4.3 Corrections and comparisons with 2019 data

4.3.1 As described in **Section 2.2**, some constraints meant that monitoring in some preferred locations was not possible and Backup/Alternative locations were used instead, in accordance with the agreed methodology. Backup/Alternative monitoring locations were used instead of preferred locations at LT1, LT2, ST1 and ST5.

4.3.2 This section explains any corrections and comparisons made to the measurement data to ensure residual and background noise levels are representative of nearby NSRs.

4.3.3 Only locations LT1, LT2 and ST1 are considered here, as there is no data available to allow a comparison of preferred and backup locations at ST5. However, as outlined in **Section 2.2**, acquisition of baseline data at ST5 Backup/Alternative is considered to yield a more robust assessment. This is on the basis that ST5 Backup/Alternative was at a slightly greater distance to nearby transport sources than the preferred measurement location at ST5.



## 2019 Baseline Surveys

4.3.4 A series of short term attended measurements were undertaken in 2019 at locations selected to be representative of the nearest NSRs to the EfW CHP Facility. The monitoring was undertaken in accordance with BS 4142:2014+A1:2019 and BS 7445-1:2003. A summary of the monitoring methodology and monitoring results is provided in **Annex G**. The 2019 monitoring results have been compared to the 2021 monitoring data to validate and correct the 2021 measurement data, where appropriate, to achieve representative sound levels, as set out below.

### LT1c and ST-LT1

4.3.5 It was established before the surveys were undertaken that long term monitoring at LT1 and LT1a would not be possible, and that long term monitoring would therefore be undertaken at LT1c. In the SMP, an additional survey location, ST-LT1, was added so that data could be gathered to validate, and if necessary, correct measurement data acquired at LT1c to be representative of Receptors at locations LT1 and LT1a, on New Bridge Lane.

4.3.6 Differences with the monitoring data acquired at LT1c and ST-LT1 were expected, as location LT1c was partially screened from nearby noise sources due to being located near the bottom of earth bunds. Conversely, ST-LT1, being approximately equidistant between NSRs at 9 and 10 New Bridge Lane, was expected to be representative of 9 and 10 New Bridge Lane. This is on the basis of the 2019 monitoring results, which showed that the differences between measured sound levels in close proximity to 9 and 10 New Bridge Lane were negligible.

4.3.7 Residual and background sound levels measured at ST-LT1 were compared with measurement data for the same periods at LT1c and the differences calculated. The comparison of the concurrent 15-minute samples is provided in **Table 4.2 Comparison of monitoring results at LT1c and ST-LT1 and calculation of corrections**, below. Corrections to be applied to measured data at LT1c to be representative of ST-LT1 are determined by arithmetically averaging the differences between concurrently measured sound levels at LT1c and ST-LT1 in each period.

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**Table 4.2 Comparison of monitoring results at LT1c and ST-LT1 and calculation of corrections**

Start Date & Time	Period	Local Weather		Sound Pressure Level (ST-LT1), dB		Sound Pressure Level (LT1c), dB		Difference in sound levels, dB		Remarks
		Wind Speed, m/s	Wind Direction	L <sub>Aeq,T</sub>	L <sub>A90,T</sub>	L <sub>Aeq,T</sub>	L <sub>A90,T</sub>	L <sub>Aeq,T</sub>	L <sub>A90,T</sub>	
17/11/2021 13:15	D	1.3	W	52	50	47	44	+6	+6	
11/11/2021 09:40	D	0.4	SW	49	46	47	41	+1	+5	
11/11/2021 09:55	D	0	-	49	45	45	40	+4	+5	
11/11/2021 14:23	D	0.4	SE	55	50	46	44	+9	+7	
11/11/2021 14:38	D	0	-	54	51	46	44	+8	+7	
10/11/2021 19:04	E	0	-	48	43	41	40	+7	+3	
10/11/2021 19:19	E	0.4	NE	45	41	41	40	+3	+2	Exclude due to unrepresentative wind direction
16/11/2021 20:06	E	0.9	SW	51	48	48	43	+3	+6	
16/11/2021 20:53	E	0.9	SW	51	48	47	42	+4	+6	
10/11/2021 23:54	N	0	-	44	41	38	37	+6	+5	
11/11/2021 00:09	N	0	-	45	41	38	36	+7	+5	
11/11/2021 01:47	N	0	-	45	41	38	36	+7	+4	
11/11/2021 02:02	N	0	-	46	41	38	37	+8	+4	
<b>Daytime - correction to LT1c data to be representative of ST-LT1</b>								+6	+6	
<b>Evening - correction to LT1c data to be representative of ST-LT1</b>								+5	+5	
<b>Night-time - correction to LT1c data to be representative of ST-LT1</b>								+7	+4	



4.3.8 As detailed in **Section 4.2**, it is considered that the 25<sup>th</sup> percentile of the measured background sound levels and the median of the measured residual sound levels at LT1c would provide representative and robust sound levels to be used in the assessment. These levels were corrected based on the corrections presented at the bottom of **Table 4.2 Comparison of monitoring results at LT1c and ST-LT1 and calculation of corrections**, as shown in **Table 4.3 Correction of monitoring results at LT1c**, below.

**Table 4.3 Correction of monitoring results at LT1c**

Period	2021 Survey Results (LT1c)		Correction (determined by comparison, as shown in Table 4.2)		2021 Survey Results (LT1c, corrected to be representative of ST-LT1)	
	Residual Sound Level, dB L <sub>Aeq,T</sub>	Background Sound Level, dB L <sub>A90,T</sub>	Residual Sound Level, dB L <sub>Aeq,15m</sub>	Background Sound Level, dB L <sub>A90,15m</sub>	Residual Sound Level, dB L <sub>Aeq,15m</sub>	Background Sound Level, dB L <sub>A90,15m</sub>
Daytime	47	43	+6	+6	53	49
Evening	44	41	+5	+5	49	46
Night-time	44	40	+7	+4	51	44

4.3.9 The corrected levels have been compared with the results of the 2019 monitoring, for validation purposes, in **Table 4.4 Comparison of corrected monitoring results at LT1c with 2019 monitoring results** below.

**Table 4.4 Comparison of corrected monitoring results at LT1c with 2019 monitoring results**

Period	2019 Survey Results (near 9 & 10 New Bridge Lane)		2021 Survey Results (LT1c, corrected to be representative of ST-LT1)		Difference (2021 results minus 2019 results)	
	Residual Sound Level, dB L <sub>Aeq,T</sub>	Background Sound Level, dB L <sub>A90,T</sub>	Residual Sound Level, dB L <sub>Aeq,15m</sub>	Background Sound Level, dB L <sub>A90,15m</sub>	Residual Sound Level, dB	Background Sound Level, dB
Daytime	54	50	53	49	-1	-1
Evening	50	48	49	46	-1	-2
Night-time	47	44	51	44	+4	0

4.3.10 The differences indicated in **Table 4.4 Comparison of corrected monitoring results at LT1c with 2019 monitoring results** show that the corrected sound levels are generally all within  $\pm 3$  dB of the sound levels measured in 2019.

4.3.11 The only exception is the residual sound level during the night-time, where a +4 dB difference in the corrected levels is indicated. This is likely due to the differences in



the times of day when the night-time measurements were undertaken. In the 2019 monitoring, night-time measurements were undertaken between 00:45 and 02:42 hrs, and the measured levels are therefore representative of the quietest parts of the night-time. The 2021 monitoring data from LT1c includes multiple whole night periods and is better representative of the whole night period. The whole night period includes periods of increased activity, particularly at the end of the night period from 06:00 to 07:00 hrs. As such, the greater difference in the corrected night-time residual sound levels is expected, and the corrected night-time residual sound levels at LT1c are considered valid for the purposes of the assessment.

## LT2

- 4.3.12 Access arrangements could not be confirmed for LT2, therefore LT2 Backup/Alternative was used. The monitoring location at LT2 Backup/Alternative was approximately equidistant from the A47 as the NSR to the east known as 'Potty Plants'.
- 4.3.13 During the 2019 surveys, baseline data was collected at a location considered representative of 'Potty Plants', but at a greater distance from the A47. The 2019 survey location was approximately 80 m from the A47, and LT2 Backup/Alternative was approximately 40 m from the A47.
- 4.3.14 A comparison of the measurement data at the two locations described above was undertaken for validation purposes. As detailed in **Section 4.2**, it is considered that the 25<sup>th</sup> percentile of the measured background sound levels and the median of the measured residual sound levels at LT2 Backup/Alternative will provide representative and robust sound levels to be used in the assessment. These levels were used in the comparison which is provided in **Table 4.5 Comparison of monitoring results at LT2 Backup/Alternative with 2019 monitoring results** below.

**Table 4.5 Comparison of monitoring results at LT2 Backup/Alternative with 2019 monitoring results**

Period	2019 Survey Results (80 m from A47)		2021 Survey Results (LT2 Backup/Alternative, 40 m from A47)		Difference (2021 results minus 2019 results)	
	Residual Sound Level, dB LAeq,T	Background Sound Level, dB LA90,T	Residual Sound Level, dB LAeq,15m	Background Sound Level, dB LA90,15m	Residual Sound Level, dB	Background Sound Level, dB
Daytime	59	55	62	54	+3	-1
Evening	54	47	58	43	+4	-5
Night-time	49	42	54	40	+6	-3

- 4.3.15 The results in **Table 4.5 Comparison of monitoring results at LT2 Backup/Alternative with 2019 monitoring results** indicate that, at LT2



Backup/Alternative, residual sound levels are 3 to 6 dB greater than the residual sound levels measured in 2019 and background sound levels are 2 to 5 dB lower than the background sound levels measured in 2019.

- 4.3.16 In consideration of the difference in residual sound levels, a +3 dB increase would be expected in the 2021 results due to the halving of distance between LT2 Backup/Alternative and the noise source dominating  $L_{Aeq,T}$  sound levels – road traffic on the A47. Increases of 4 to 6 dB observed in the evening and night-time periods, respectively, are due to the limited sampling in the 2019 monitoring. The 2019 monitoring was focussed on determining likely worst-case levels at times with relatively reduced activity: measurements were undertaken around 21:30 hrs in the evening and between 01:24 and 03:00 hrs in the night-time.
- 4.3.17 In consideration of the difference in background sound levels, it is likely that the reason for the reduced  $L_{A90,T}$  sound levels during all periods at LT2 Backup/Alternative is due to the increased distance from the Distribution Centre (DC) to the north. The DC was noted to be a significant source of industrial noise in the area (particularly at ST1 and ST1 Backup/Alternative). As such, sound from the DC may be dominating background sound levels in the vicinity of LT2 Backup/Alternative, which would explain why  $L_{A90,T}$  sound levels at LT2 Backup/Alternative were reduced compared to the 2019 measurements which were in closer proximity to the DC. It is also noted that reduced background sound levels will yield a more robust assessment.
- 4.3.18 On the basis of the comparison, and the further considerations above, monitoring results acquired at LT2 Backup/Alternative are considered to be consistent with the 2019 monitoring results, and valid for the purposes of the assessment.

## ST1 and ST1 Backup/Alternative

### *Correction for location*

- 4.3.19 An alternative location for ST1 was used during the survey, ST1 Backup/Alternative, which was located further away from nearby road and industry sources than the location at ST1.
- 4.3.20 The results from ST1 Backup/Alternative have been compared to measurements undertaken at ST1 in 2019. The results of the comparison are provided in **Table 4.6 Comparison of monitoring results at ST1 Alternative/Backup with 2019 monitoring results** below.



**Table 4.6 Comparison of monitoring results at ST1 Alternative/Backup with 2019 monitoring results**

Period	2019 Survey Results (ST1)		2021 Survey Results (ST1 Backup/Alternative)		Difference (2021 results minus 2019 results)	
	Residual Sound Level, dB LAeq,T	Background Sound Level, dB LA90,T	Residual Sound Level, dB LAeq,15m	Background Sound Level, dB LA90,15m	Residual Sound Level, dB	Background Sound Level, dB
Daytime	58	54	48	46	-10	-8
Evening	53	51	48	45	-5	-6
Night-time	54	52	46	45	-8	-7

4.3.21 The results in **Table 4.6 Comparison of monitoring results at ST1 Alternative/Backup with 2019 monitoring results** indicate that there is significant variation between the 2019 results acquired at ST1 and the 2021 results acquired at ST1 Backup/Alternative. The lower sound levels at ST1 Backup/Alternative are expected because this location was more than double the distance to the DC to the west and approximately one and a half times the distance to the A47 to the south.

4.3.22 Differences in the background sound levels are relatively consistent, with greater variation in the differences between residual sound levels. Due to the significant differences observed in the measured sound levels, it was considered appropriate to use the differences to calculate a correction to be applied to the 2021 monitoring results acquired at ST1 Backup/Alternative to be representative of ST1.

4.3.23 As there appears to be little consistency in the differences in measured sound levels, it was considered that an arithmetic average of the differences across all periods could provide a suitable basis for the correction. The average difference in the residual sound level across all periods was -8 dB. The average difference in the background sound level across all periods was -7 dB.

4.3.24 The average differences described above were used to correct the 2021 measurement data acquired at ST1 Backup/Alternative to be representative of ST1. For validation purposes, the corrected levels were compared against the 2019 measurement data acquired at ST1. The comparison is provided in **Table 4.7 Comparison of corrected monitoring results at ST1 Alternative/Backup with 2019 monitoring results** below.





**Table 4.7 Comparison of corrected monitoring results at ST1 Alternative/Backup with 2019 monitoring results**

Period	2019 Survey Results (ST1)		2021 Survey Results (ST1 Backup/Alternative, corrected to be representative of ST1)		Difference (2021 results minus 2019 results)	
	Residual Sound Level, dB LAeq,T	Background Sound Level, dB LA90,T	Residual Sound Level, dB LAeq,15m	Background Sound Level, dB LA90,15m	Residual Sound Level, dB	Background Sound Level, dB
Daytime	58	54	56	53	-2	-1
Evening	53	51	55	52	2	1
Night-time	54	52	54	52	0	0

4.3.25 The results of the comparison in **Table 4.7 Comparison of corrected monitoring results at ST1 Alternative/Backup with 2019 monitoring results** indicate that the differences between the 2019 monitoring results at ST1 and the corrected monitoring results acquired in 2021 at ST1 Backup/Alternative are acceptable, as all are within  $\pm 3$  dB and the average of the differences across all periods is 0 dB. The corrected 2021 data is therefore considered representative of ST1 and valid for the purposes of the assessment.

### *Correction to determine representative weekend sound levels*

4.3.26 To determine representative weekend sound levels at ST1 and ST1 Backup/Alternative to inform the assessment of operational noise, a correction has been determined based on the monitoring results acquired at LT2. All these locations are affected by road noise from the A47, and from industrial and commercial sources at the south and south-eastern extents of the industrial area.

4.3.27 The correction is based on comparison of the representative weekday and weekend sound levels acquired at LT2 (25<sup>th</sup> percentile background sound levels and the median residual sound levels). The results of the comparison of the LT2 representative weekday and weekend sound levels are provided below in **Table 4.8 Comparison of weekday and weekend sound levels at LT2**.

**Table 4.8 Comparison of weekday and weekend sound levels at LT2**

	Difference in weekday and weekend sound levels at LT2 (weekends minus weekdays), dB					
	Background Sound Level, LA90,T			Residual Sound Level, LAeq,T		
	Day	Eve	Night	Day	Eve	Night
25th %ile	-3	1	1	-	-	-
Median	-	-	-	-3	-3	-3





4.3.28 The results of the comparison of weekday and weekend sound levels at LT2 in **Table 4.8 Comparison of weekday and weekend sound levels at LT2** indicates that, during weekends, background sound levels are similar in the evening and night-time, but are 3 dB lower during the daytime. Weekend residual sound levels are 3 dB lower during all periods.

4.3.29 Based on the above, corrections to apply to the measured sound levels at ST1 and ST1 Alternative/Backup, to represent weekend baseline conditions are as follows:

- -3 dB to background sound levels during the daytime,
- 0 dB to background sound levels during the evening and night-time, and
- -3 dB to residual sound levels during all periods.

4.3.30 The weekend sound levels at ST1 and ST1 Alternative/Backup, based on the corrections listed above, are shown in **Table 4.9 Corrected sound levels at ST1 and ST1 Alternative/backup to be representative of weekends, based on comparison in Table 4.8** below.

**Table 4.9 Corrected sound levels at ST1 and ST1 Alternative/backup to be representative of weekends, based on comparison in Table 4.8**

Location	Days of week	Daytime		Evening		Night-time	
		Residual Sound Level, dB L <sub>Aeq,T</sub>	Background Sound Level, dB L <sub>A90,T</sub>	Residual Sound Level, dB L <sub>Aeq,T</sub>	Background Sound Level, dB L <sub>A90,T</sub>	Residual Sound Level, dB L <sub>Aeq,T</sub>	Background Sound Level, dB L <sub>A90,T</sub>
ST1	Weekdays	56	53	55	52	54	52
ST1 backup	Weekdays	48	46	48	45	46	45
ST1	Weekends	53	50	52	52	51	52
ST1 backup	Weekends	45	43	45	45	43	45

## 4.4 Representative levels for the assessment

4.4.1 Based on the analysis in **Section 4.2**, and the corrections described above in **Section 4.3**, **Table 4.10** and **Table 4.11** provide the representative sound levels for weekdays and weekends respectively, alongside Receptor locations that these levels are considered representative of, that will be used in the assessment of operational noise.

4.4.2 As detailed in **Section 4.3**, representative levels for location ST-LT1 are the corrected levels measured at LT1c and the representative levels for location ST1 are the corrected levels measured at ST1 Backup/Alternative.

Representative weekday sound levels at ST4 are also considered to be representative of those that would be expected to occur at this location over a weekend as it is near the centre of the industrial area.

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**Table 4.10 Representative levels to be used in the assessment of operational noise – weekdays**

Location	Representative of Receptor IDs	Daytime		Evening		Night-time		
		Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$	Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$	Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$	
<i>Locations influenced by construction and operational noise (daytime 0700 – 1900 hours, evening 1900 – 2300 hours, night-time 2300 – 0700 hours)</i>								
ST-LT1*	R2, R3	54	49	50	46	51	43	
LT2 Alt.	R4, R5, R6	62	54	58	42	55	39	
LT3	R1, R9, R10	54	44	50	44	48	43	
ST1**	R7	56	53	55	52	54	52	
ST1 Alt.	R8	48	46	48	45	46	45	
ST4	R27	58	48	54	48	57	43	

\* - Representative levels based on measured sound levels from LT1c, corrected to ST-LT1.

\*\* - Representative levels based on measured sound levels from ST1 Alternative, corrected to ST1.

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**Table 4.11 Representative levels to be used in the assessment of operational noise - weekends**

Location	Representative of Receptor IDs	Daytime			Evening			Night-time		
		Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$	Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$	Residual sound level, dB $L_{Aeq,T}$	Background sound level, dB $L_{A90,T}$			
<i>Locations influenced by construction and operational noise (daytime 0700 – 1900 hours, evening 1900 – 2300 hours, night-time 2300 – 0700 hours)</i>										
ST-LT1*	R2, R3	52	48	48	45	50	45			
LT2 Alt.	R4, R5, R6	59	51	55	43	52	40			
LT3	R1, R9, R10	50	40	46	38	42	35			
ST1**	R7	53	50	52	52	51	52			
ST1 Alt.	R8	45	43	45	45	43	45			
ST4	R27	58	48	54	48	57	43			

\* - Representative levels based on measured sound levels from LT1c, corrected to ST-LT1.

\*\* - Representative levels based on measured sound levels from ST1 Alternative, corrected to ST1.



## Determination of BS 5228-1:2009+A1:2014 thresholds of significance

- 4.4.3 Based on the baseline monitoring results provided in **Section 3** and the corrections described in **Section 4.3**, BS 5228-1 threshold categories have been determined in accordance with the ABC method.
- 4.4.4 Receptors which are non-residential and where baseline data are available, are shown for completeness. However, the BS 5228-1 assessment method is only applicable to dwellings, therefore no threshold categories are provided for these Receptors.
- 4.4.5 Generally, where no weekend data are available, the lowest weekend threshold categories are assumed. However, for Receptors that are in close proximity to the A47 and Elm High Road, weekend threshold categories are assumed to be one category lower than the weekday daytime category. This is on the basis of measurement results at LT2, which was significantly influenced by road traffic noise on the A47, which indicate that logarithmic average ambient sound levels are 3 dB lower on weekend daytimes and evenings than on weekdays daytimes and evenings.
- 4.4.6 No construction works are planned for Sundays but determination of threshold categories are provided for Sundays, for information, or in case of emergency or exceptional circumstances requiring works on a Sunday.
- 4.4.7 Receptor R50 is located immediately adjacent to Cromwell Road and measurement results acquired at LT3 are considered representative, as LT3 was located within 200m of Cromwell Road and was significantly influenced by road traffic noise from Cromwell Road.

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**Table 4.12 Determination of BS 5228-1 threshold categories for assessment of construction noise**

R. ID	Name of Receptor	Baseline dataset	Representative baseline ambient sound levels, dB L <sub>Aeq,T</sub>						BS 5228-1 Threshold of significance Category			BS 5228-1 Threshold of significance Category		
			Weekdays			Weekends			Weekdays			Weekends		
			Day	Evening	Night	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs	Day	Evening	Night	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs
R01	2 New Bridge Lane	LT3	57	51	49	50	54	53	A	A	C	A	B	B
R02	9 New Bridge Lane	ST-LT1*	55	45	49	47	47	44	A	A	C	A	A	A
R03	10 New Bridge Lane	ST-LT1*	55	45	49	47	47	44	A	A	C	A	A	A
R04	Potty Plants	LT2 backup	63	59	58	58	58	60	B	C	C	A	C	C
R05	New Bridge Lane Travellers Site	LT2 backup	63	59	58	58	58	60	B	C	C	A	C	C
R06	Oakdale Place Park	LT2 backup	63	59	58	58	58	60	B	C	C	A	C	C
R07	The Chalet, New Drove	ST1**	56	55	54	-	-	-	A	B	C	A	A	A
R08	125 New Drove	ST1 backup	48	48	46	-	-	-	A	A	B	A	A	A
R09	93 South Brink	LT3	57	51	49	50	54	53	A	A	C	A	B	B

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R. ID	Name of Receptor	Baseline dataset	Representative baseline ambient sound levels, dB L <sub>Aeq,T</sub>						BS 5228-1 Threshold of significance Category			BS 5228-1 Threshold of significance Category		
			Weekdays			Weekends			Weekdays			Weekends		
			Day	Evening	Night	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs	Day	Evening	Night	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs
R10	97 South Brink	LT3	57	51	49	50	54	53	A	A	C	A	B	B
R26	TBAP Unity Academy	ST3	72	69	57	-	-	-	Non-residential, BS 5228-1 assessment not applicable.					
R27	Cambian EFLC, Anglia Way	ST4	58	54	57	-	-	-	Non-residential, BS 5228-1 assessment not applicable.					
R28	Thomas Clarkson Academy	ST3	72	69	57	-	-	-	Non-residential, BS 5228-1 assessment not applicable.					
R29	64 Weasenham Lane	ST3	72	69	57	-	-	-	C	B	C	B	B	B
R30	66 Weasenham Lane	ST3	72	69	57	-	-	-	C	B	C	B	B	B
R31	15 Hillburn Road	ST2	49	37	42	-	-	-	A	A	A	A	A	A
R32	16 Hillburn Road	ST2	49	37	42	-	-	-	A	A	A	A	A	A
R33	16a Hillburn Road	ST2	49	37	42	-	-	-	A	A	A	A	A	A
R34	24 Burdett Road	ST2	49	37	42	-	-	-	A	A	A	A	A	A

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R. ID	Name of Receptor	Baseline dataset	Representative baseline ambient sound levels, dB L <sub>Aeq,T</sub>						BS 5228-1 Threshold of significance Category			BS 5228-1 Threshold of significance Category		
			Weekdays			Weekends			Weekdays			Weekends		
			Day	Evening	Night	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs	Day	Evening	Night	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs
R35	5 Great Eastern Road	ST2	49	37	42	-	-	-	A	A	A	A	A	A
R36	1 Oldfield Lane	ST2	49	37	42	-	-	-	A	A	A	A	A	A
R37	3 Oldfield Lane	ST2	49	37	42	-	-	-	A	A	A	A	A	A
R38	25 Victory Road	ST2	49	37	42	-	-	-	A	A	A	A	A	A
R39	27 Victory Road	ST2	49	37	42	-	-	-	A	A	A	A	A	A
R44	52 Broadend Road	ST11	60	-	53	-	-	-	A	A	C	A	A	A
R45	56 Broadend Road	ST11	60	-	53	-	-	-	A	A	C	A	A	A
R46	Elme Hall Hotel	ST5	65	-	54	-	-	-	B	B	C	A	A	A
R47	85 Elm High Road	ST5	65	-	54	-	-	-	B	B	C	A	A	A
R48	36 Elmfield Drive	ST6	59	-	47	-	-	-	A	A	B	A	A	A

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R. ID	Name of Receptor	Baseline dataset	Representative baseline ambient sound levels, dB L <sub>Aeq,T</sub>						BS 5228-1 Threshold of significance Category			BS 5228-1 Threshold of significance Category		
			Weekdays			Weekends			Weekdays			Weekends		
			Day	Evening	Night	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs	Day	Evening	Night	Saturday 0800 - 1300 hrs	Saturday 1300 - 1600 hrs	Sunday 0700 - 2300 hrs
R49	Oxburgh Cott., Meadowgate Ln	ST6	59	-	47	-	-	-	A	A	B	A	A	A
R50	21 Cromwell Road	LT2 backup	63	59	58	58	58	60	B	C	C	A	C	C

\* - Sound levels based on measured sound levels from LT1c, corrected to ST-LT1.

\*\* - Sound levels based on measured sound levels from ST1 Alternative, corrected to ST1.





## 5. Summary & Conclusions

- 5.1.1 To inform the noise assessments forming part of the EIA to be presented in the ES accompanying the DCO application, baseline noise surveys were undertaken. This Baseline Report presents the results of the baseline sound surveys that were conducted between Wednesday 10 November 2021 and Thursday 18 November 2021.
- 5.1.2 All monitoring, and subsequent data processing, analysis and reporting was undertaken in accordance with the relevant British Standards and the agreed methodology.
- 5.1.3 Variation in local activity due to the influence of the COVID-19 pandemic, which could have given rise to changes in ambient sound levels, was investigated by comparison with sound level data acquired in 2019 and with strategic noise mapping data. The comparison indicated that there was minimal or no influence on ambient sound levels due to the influence of the COVID-19 pandemic, and the results of the monitoring are therefore valid for the purposes of the assessment.
- 5.1.4 The measured sound levels are considered to be typical of the locations where the data were acquired, which tended to either be dominated by road noise or industrial/commercial noise. Some other noise sources were noted (local activity, animal sounds, wind in trees, etc), however these did not confound the measurements, and any unrepresentative events/data have been removed from the datasets (periods with wind gusts  $>5 \text{ ms}^{-1}$ , noisy aircraft manoeuvres, etc).
- 5.1.5 Based on the above, the measured sound levels are considered representative of NSRs in proximity to each measurement location, and the representative sound levels to be used in the EIA are provided in **Section 4.4**.



## 6. References

Association of Noise Consultants and the Institute of Acoustics (2020), Joint Guidance on the Impact of COVID-19 on the Practicality and Reliability of Baseline Sound Level Surveying and the Provision of Sound & Noise Impact Assessments. ANC & IOA.

British Standards Institution (2019), BS 4142:2014+A1:2019 Methods for rating and assessing industrial and commercial sound. BSI

British Standards Institution (2003), BS 7445-1:2003 Description and measurement of environmental noise – Guide to quantities and procedures. BSI

British Standards Institution (2013), BS EN 61672-1:2013 Electroacoustics. Sound level meters – Specifications. BSI

British Standards Institution (2018), BS EN IEC 60942:2018 Electroacoustics. Sound calibrators. BSI

British Standards Institution (2014), BS 5228-1:2009+A1:2014 Code of practice for noise and vibration control on construction and open sites – Noise. BSI

HMSO (2006), Statutory Instrument no. 2238, Environmental Noise (England) Regulations, 2006 (as amended). HMSO

**A1**

Environmental Statement Chapter 7 Noise and Vibration Appendix 7A Baseline Noise Monitoring Report



# Annex A

## Statements of competence

**Statements of competence for all personnel contributing to this report****Giles Hine**

Giles is a Principal Consultant in Wood's Noise and Vibration Team with over 19 years' experience. Giles is a full corporate member of the Institute of Acoustics (MIOA).

He specialises in undertaking noise and vibration assessments, both as standalone projects and as part of larger projects such as EIA. As well as consultancy Giles has also worked as a pollution control officer for local authority (Fenland District Council).

His main areas of expertise include environmental impact assessments and assessments to support planning applications for a range of projects including energy, road and rail schemes, residential, commercial, schools, hospitals, and industrial applications. Giles' experience covers all of the process including consultations with planning authorities and other governing bodies; baseline noise and vibration monitoring and analysis; noise modelling and EIA reporting; he has also made representations at large scale public consultations. He has appeared as an expert for planning committees and hearings on behalf of both local authority and private sector clients.

Giles was responsible for reviewing the SMP, baseline data processing and baseline monitoring report.

**Patrick Hoyle**

Patrick is a Senior Consultant in Wood's Noise and Vibration Team with over 10 years' experience. Patrick is a full corporate member of the Institute of Acoustics (MIOA).

He has extensive experience in the hands-on aspects of acoustics including noise measurement, assessment; data processing, analysis and interpretation, predictive modelling for industrial, commercial, residential and transport schemes and technical authoring to support planning applications and to demonstrate compliance. He has experience in building acoustics and the prediction, measurement and assessment of vibration.

He has delivered stand-alone noise assessments, and inputs to EIA's, for numerous renewable and decentralised energy schemes across the UK including energy from waste, solar, gas fired peaking plant, and energy storage facilities.

Patrick was responsible for authoring the SMP, carrying out the acoustic monitoring, assisting with the data processing and analysis, and assisting with the preparation of the baseline monitoring report.

**Josh Wilson**

Josh is a Senior Consultant in Wood's Noise and Vibration Team with over 6 years' experience. Josh is a full corporate member of the Institute of Acoustics (MIOA).

Josh's experience is primarily focussed on environmental acoustics disciplines. He is notably experienced in industrial and commercial, energy and underwater acoustics projects, and has taken key roles in research projects that have informed guidance



documents for offshore industries. He has delivered numerous assessments to accompany planning applications and to discharge conditions.

Josh has extensive experience in undertaking noise and vibration measurements, noise impact assessments, data processing, data analysis, predictive noise modelling for projects in various sectors, and carrying out technical authoring.

Josh was responsible for carrying out the acoustic monitoring.

### **Jack Rostron**

Jack is a Consultant in Wood's Noise and Vibration Team with over 5 years' experience. Jack is an Associate member of the Institute of Acoustics (AMIOA).

Jack's areas of expertise include environmental assessments of noise and vibration impacts, to inform planning applications and for the discharge of planning conditions. Jack's experience encompasses projects in the industrial, commercial, residential, educational and medical sectors. Jack specialises in building and architectural acoustics, including internal design to meet reverberation time criteria and building fabric design to address external noise break in.

He is experienced in noise propagation modelling and acoustic monitoring, including the provision of training in acoustic monitoring protocols to ensure best practice for undertaking accurate sound level measurements.

Jack was responsible for carrying out the acoustic monitoring, and assisting with the data analysis and reporting.

### **Heather Robinson**

Heather is a Consultant in Wood's Noise and Vibration Team with over 3 years' experience. Heather is a full corporate member of the Institute of Acoustics (MIOA).

Her experience covers a variety of assessments, including residential, commercial, industrial and transport sectors, undertaken as stand-alone projects as well as larger scale Environmental Impact Assessments.

Heather has provided key input on a number of Nationally Significant Infrastructure Projects (NSIPs), undertaking and leading surveys, data analysis, modelling and reporting where required. This has involved contributing to several PEIR and ES chapters, as well as stand-alone reports. Heather is experienced with a number of different noise modelling software packages such as Lima, Predictor-Lima, CadnaA, SoundPLAN and Odeon.

Heather was responsible for assisting with and reviewing the data processing and analysis, and preparing the baseline monitoring report.

**Zachary Simcox**

Zachary is a Consultant in Wood's Noise and Vibration Team with over 4 years' experience. Zachary is an Associate member of the Institute of Acoustics (AMIOA).

Zachary specialises in noise impact assessments for industrial and commercial sites. He is competent in undertaking noise and vibration assessments, both as standalone projects and as part of larger projects such as EIA.

His main areas of expertise include environmental impact assessments and assessments to support planning applications for a range of projects including energy, road and rail schemes, residential, commercial, schools, hospitals, and industrial applications. Zachary's experience covers all of the process including consultations with planning authorities; baseline noise and vibration monitoring and analysis; noise modelling and EIA reporting.

Zachary was responsible for carrying out the acoustic monitoring.

**B1**

Environmental Statement Chapter 7 Noise and Vibration Appendix 7A Baseline Noise Monitoring Report



# Annex B

## Survey and monitoring plan



## Annex C

# Noise Monitoring Locations and Noise Sensitive Receptor Locations



**D1**

Environmental Statement Chapter 7 Noise and Vibration Appendix 7A Baseline Noise Monitoring Report



# Annex D

## Sound level meter details



## Summary of Instrumentation Calibration

**Table D.1 NL52 – Kit 28 calibration details**

Manufacturer	Instrument	Type	Serial Number	Calibration Date
Rion	Sound Level Meter	NL – 52	00331828	29/03/2021
Rion	Pre Amplifier	NH – 25	21779	29/03/2021
Rion	Microphone	UC – 59	04895	29/03/2021

**Table D.2 NL52 – Kit 29 calibration details**

Manufacturer	Instrument	Type	Serial Number	Calibration Date
Rion	Sound Level Meter	NL – 52	00331829	29/03/2021
Rion	Pre Amplifier	NH – 25	21780	29/03/2021
Rion	Microphone	UC – 59	04896	29/03/2021

**Table D.3 NL52 – Kit 32 calibration details**

Manufacturer	Instrument	Type	Serial Number	Calibration Date
Rion	Sound Level Meter	NL – 52	1143532	29/03/2021
Rion	Pre Amplifier	NH – 25	43549	29/03/2021
Rion	Microphone	UC – 59	7392	29/03/2021

**Table D.4 NL52 – Kit 33 calibration details**

Manufacturer	Instrument	Type	Serial Number	Calibration Date
Rion	Sound Level Meter	NL – 52	1143533	29/03/2021
Rion	Pre Amplifier	NH – 25	43550	29/03/2021
Rion	Microphone	UC – 59	7393	29/03/2021

**Table D.5 NL52 – Kit 35 calibration details**

Manufacturer	Instrument	Type	Serial Number	Calibration Date
Rion	Sound Level Meter	NL – 52	1143535	30/03/2021
Rion	Pre Amplifier	NH – 25	43552	30/03/2021
Rion	Microphone	UC – 59	7396	30/03/2021

**Table D.6 NL52 – Kit 94 calibration details**

Manufacturer	Instrument	Type	Serial Number	Calibration Date
Rion	Sound Level Meter	NL – 52	01121394	29/03/2021
Rion	Pre Amplifier	NH – 25	21438	29/03/2021
Rion	Microphone	UC – 59	10448	29/03/2021

**Table D.7 NL52 – Kit 95 calibration details**

Manufacturer	Instrument	Type	Serial Number	Calibration Date
Rion	Sound Level Meter	NL – 52	01121395	29/03/2021
Rion	Pre Amplifier	NH – 25	21439	29/03/2021
Rion	Microphone	UC – 59	04412	29/03/2021

**Table D.8 NC74 – C1 calibration details**

Manufacturer	Instrument	Type	Serial Number	Calibration Date
Rion	Calibrator	NC – 74	34251550	26/03/2021

**Table D.9 NC74 – C2 calibration details**

Manufacturer	Instrument	Type	Serial Number	Calibration Date
Rion	Calibrator	NC – 74	34251551	29/03/2021

**Table D.10 NC74 – C4 calibration details**

Manufacturer	Instrument	Type	Serial Number	Calibration Date
Rion	Calibrator	NC – 74	34251553	27/05/2021

**Table D.11 NC74 – C6 calibration details**

Manufacturer	Instrument	Type	Serial Number	Calibration Date
Rion	Calibrator	NC – 74	34251556	26/03/2021

**D4**

Environmental Statement Chapter 7 Noise and Vibration Appendix 7A Baseline Noise Monitoring Report



## Calibration Certificates



# Annex E

## Measurement location details



# Annex F

## Detailed attended monitoring results

**G1**

Environmental Statement Chapter 7 Noise and Vibration Appendix 7A Baseline Noise Monitoring Report



# Annex G

## 2019 baseline monitoring



## 2019 Baseline Monitoring

Attended baseline noise monitoring was undertaken by suitably qualified personnel at four locations representative of the nearest residential NSRs to the proposed EfW CHP Facility as indicated in **Graphic G 1 Attended Baseline Monitoring Locations**, below.

Short term measurements were undertaken during daytime, evening and night-time periods on 12 November 2019 and 13 November 2019. Measurements consisted of two 15-minute samples during the daytime, one 15-minute sample during the evening and two 15-minute samples during the night-time. Measurements were undertaken with the aim of capturing worst-case (i.e. lowest representative) sound levels, by carrying out measurements during periods with reduced local activity by, where possible, avoiding rush hours, and avoiding the beginning and end of the night-time period.

All survey instrumentation used had undergone laboratory calibration within a period not exceeding two years prior to use (calibrators used are within a period not exceeding one year of calibration). Field calibration checks were performed before and after each measurement set and no significant deviation was found.

### Graphic G 1 Attended Baseline Monitoring Locations



With reference to **Graphic G 1 Attended Baseline Monitoring Locations**, monitoring locations referred to as A, B, C and D (from west to east) are considered representative of adjacent Receptors at 9 New Bridge Lane, 10 New Bridge Lane, 'Potty Plants' and 'The Chalet', respectively. Monitoring Location A was approximately 15m west of the dwelling at 9 New Bridge Lane. Monitoring Location B was approximately 30m north of the dwelling at 10 New Bridge Lane. Monitoring Location C was approximately 30m north of the dwelling





known as Potty Plants. Monitoring Location D was approximately 20m west of The Chalet on New Drove.

All monitoring was conducted at a height of approximately 1.5m above local ground level, in free field conditions. Meteorological conditions during the surveying were acceptable with wind speeds tending to range from 0 – 3 m/s, and with some brief periods of very light precipitation. Gusts of wind peaked at around 5 m/s during the evening measurement at Location B. Meteorological conditions had an insignificant effect on the measurement results. The results are therefore considered valid as they were not unduly affected by the confounding influence of adverse weather conditions.

### Monitoring Results

Monitoring results for each location are provided in **Table G1 – Table G4** below.

Subjective observations indicate that the baseline environment at Locations A and B are dominated by road noise during the daytime and evening, and industrial sound during the night-time. At Location C the baseline environment is dominated by road noise with a contribution from industrial sound during the night-time. At Location D the baseline environment was noted to be dominated by industrial sound during all periods except the first daytime measurement in which road noise was dominant, with industrial sound contributing.

**Table G1 Monitoring Results: Location A - 9 New Bridge Lane**

Start Date & Time	Period	Residual Sound Level, dB		Background Sound Level, dB		Comments
		L <sub>Aeq,15m</sub>		L <sub>A90,15m</sub>		
13/11/2019 12:24	Day	63		49		Road dominant. Aeroplanes and activity in industry to W. HVAC whir in background. Fighter jet manoeuvres.
12/11/2019 16:09	Day	54		51		Road dominant. Some activity in industry. Bird calls. Excavator moving around in industrial unit to W. Movement alarm.
12/11/2019 20:50	Evening	50		47		HVAC whir noise seems dominant but continuous road noise still very significant and likely dominating.
13/11/2019 00:45	Night	47		44		Banging & movement alarms from site to NE. HVAC whir noise from roof mounted ventilation outlets of units to W.
13/11/2019 02:09	Night	47		44		Some impulsive sound from NE. HVAC whir from W. Distant movement alarms.

**Table G2 Monitoring Results: Location B – 10 New Bridge Lane**

Start Date & Time	Period	Residual Sound Level, dB		Background Sound Level, dB		Comments
		L <sub>Aeq,15m</sub>		L <sub>A90,15m</sub>		
13/11/2019 12:43	Day	69		49		2 x fighter jet. Road dominant. HVAC whir, horns and bangs in industry audible



Start Date & Time	Period	Residual Sound Level, dB L <sub>Aeq,15m</sub>	Background Sound Level, dB L <sub>A90,15m</sub>	Comments
12/11/2019 16:29	Day	54	52	Road dominant. Some activity in industry. Bird calls. Excavator in unit to NW, movement alarm. Sound of fixed plant - HVAC whir to NW. Bin lid shut around 10 m away.
12/11/2019 21:09	Evening	51	48	HVAC whir/whine, road noise, wind in foliage
13/11/2019 01:04	Night	47	43	HVAC whir and low frequency from big Distribution Centre (DC) shed (Lineage Logistics Wisbech).
13/11/2019 02:27	Night	48	44	HVAC whir and low frequency from DC. Wind in foliage. Geese honking.

**Table G3 Monitoring Results: Location C – Potty Plants**

Start Date & Time	Period	Residual Sound Level, dB L <sub>Aeq,15m</sub>	Background Sound Level, dB L <sub>A90,15m</sub>	Comments
13/11/2019 13:06	Day	57	52	Road dominant. Faint rumble from DC just audible. Bird calls.
12/11/2019 16:48	Day	61	57	Road dominant. Wind picking up. Aeroplane.
12/11/2019 21:29	Evening	54	47	Road dominant. Contribution from wind noise and industrial noise from DC.
13/11/2019 01:24	Night	50	40	Low frequency & hum from DC. Wind in foliage. Distant movement alarms. Road dominant. Helicopter in distance.
13/11/2019 02:46	Night	49	43	Low frequency & hum from DC. Road dominant. Wind in foliage. Distant movement alarms. HVAC whir.

**Table G4 Monitoring Results: Location D – The Chalet, New Drove**

Period	Comments



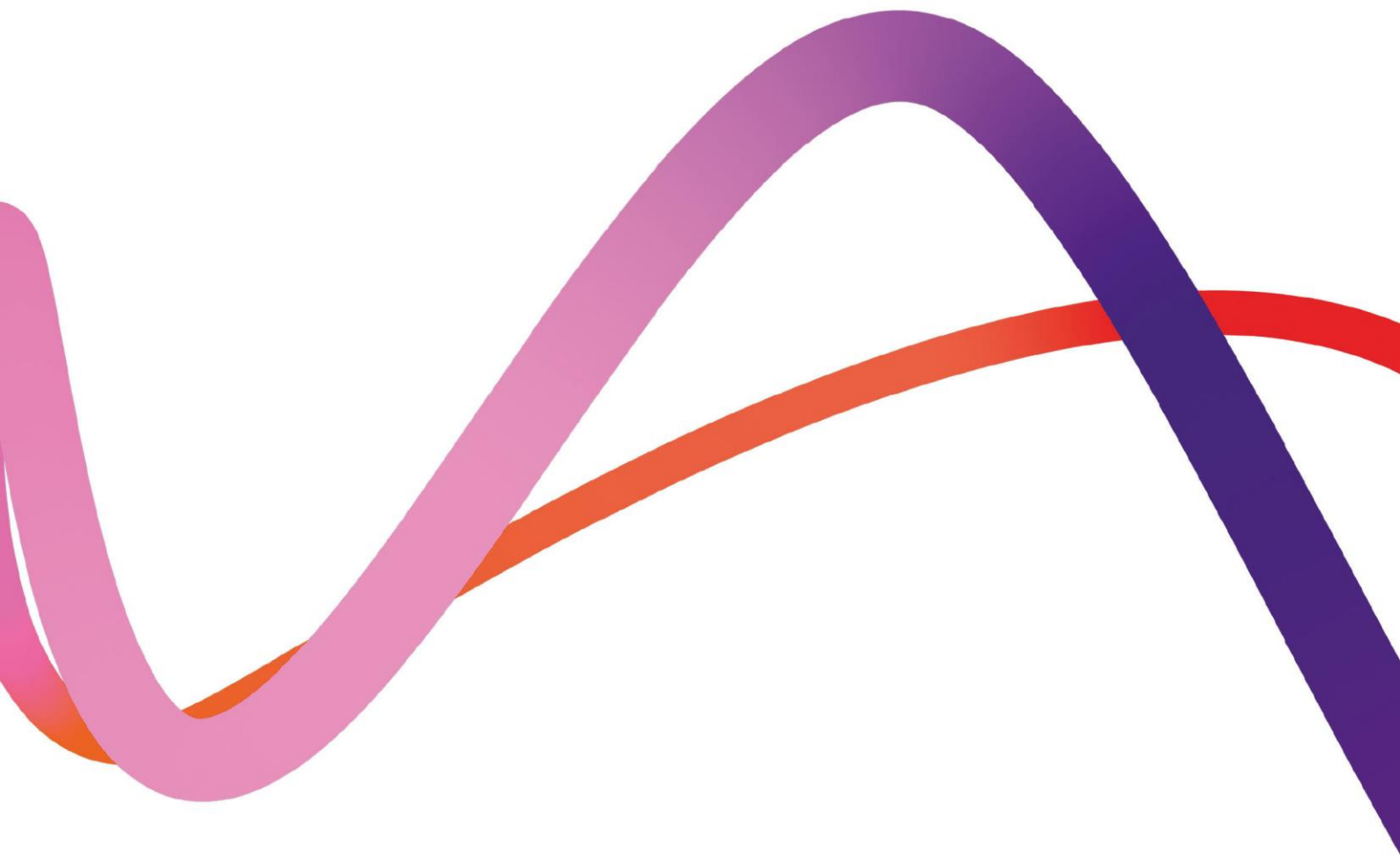
Start Date & Time		Residual Sound		Background Sound		
		Level, dB L <sub>Aeq,15m</sub>		Level, dB L <sub>A90,15m</sub>		
13/11/2019 13:27	Day	58		53		L <sub>Aeq,T</sub> = road and contribution from fighter jets, L <sub>A90,T</sub> = Industry. Engine rumble and vehicles at DC and fuel store to NE. Movement alarms.
12/11/2019 17:09	Day	58		54		Industry dominant, some low frequency rumble. Vehicles. Road significant contributor. Some dog barks.
12/11/2019 21:50	Evening	53		51		Industry dominant. Whir and movement alarms, materials being set down. Road noise significant contributor.
13/11/2019 01:44	Night	54		53		Rumble from DC. Distant movement alarm. Faint sound of forklift? Horns
13/11/2019 03:05	Night	54		52		Rumble from DC. Some bangs. Horns, engines and vehicle movements.

The monitoring results in **Table G1** and **Table G2** indicate that baseline conditions at 9 and 10 New Bridge Lane (The NSRs in closest proximity to the site) are very similar, with 0 – 1 dB difference in measured residual and background sound levels in all periods, except for the first daytime measurement at Location A which was influenced by the sound of fighter jet manoeuvres.

Residual sound levels at Potty Plants, shown in **Table G3**, are above those measured at 9 and 10 New Bridge Lane owing to sound arising from vehicle movements on the A47. Daytime background sound levels at Potty Plants are also above those measured at 9 & 10 New Bridge Lane, however, evening and night-time background sound levels are similar.

Monitoring results for The Chalet on New Drove, shown in **Table G4**, indicate that baseline sound levels at this location are generally higher than at the other NSR locations due to activity in the Distribution Centre (DC) and fuel store located west and northwest of The Chalet, respectively.

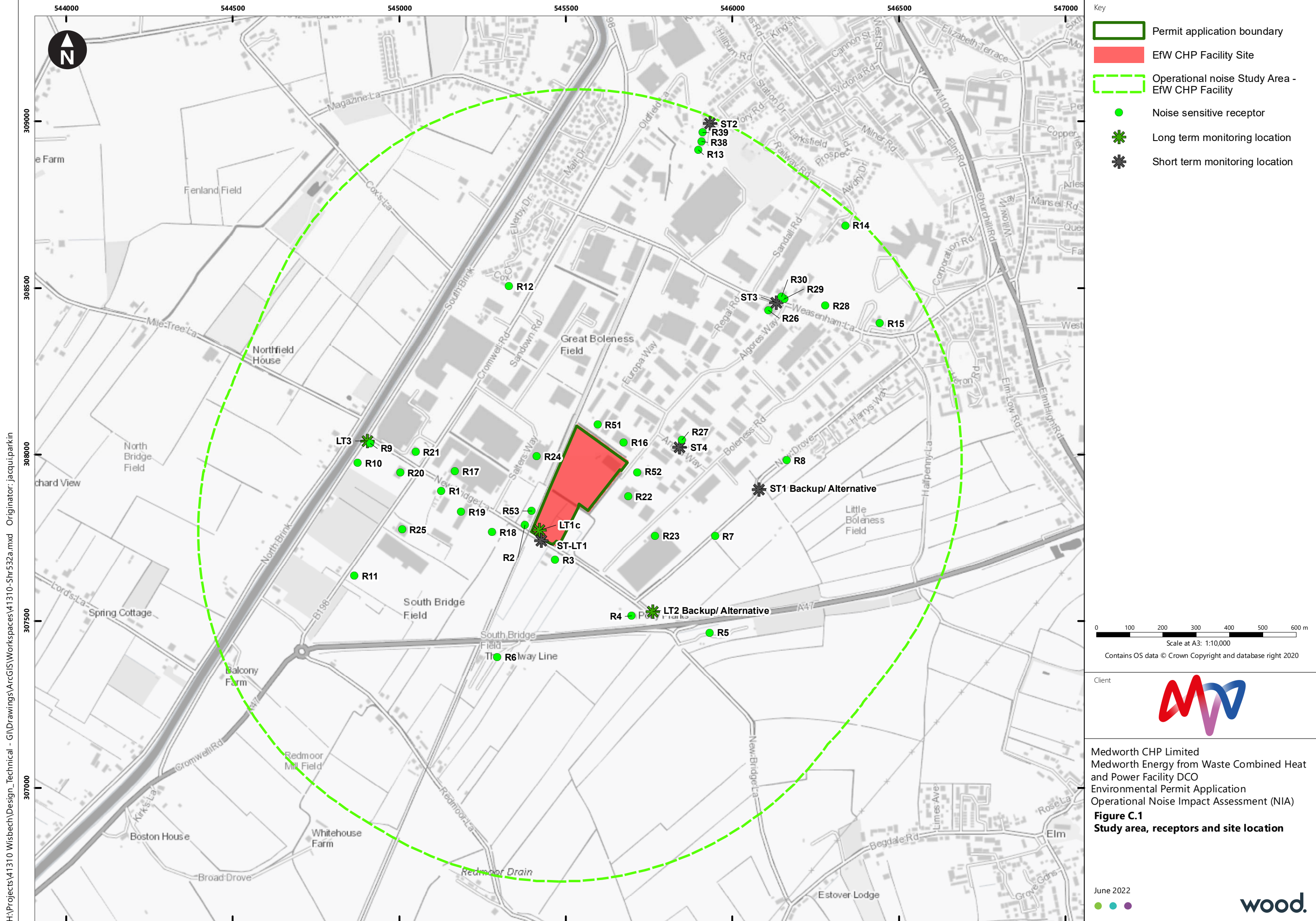
Overall, the measured sound levels are considered to be typical of an urban fringe area influenced by a mixture of transport, industrial and commercial sound sources.





# Annex C Noise Monitoring Locations, Noise Sensitive Receptor Locations and Modelled Noise Sources





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- Key
- Permit application boundary
  - EfW CHP Facility Site
  - Operational noise Study Area - EfW CHP Facility
  - Noise sensitive receptor
  - ✱ Long term monitoring location
  - ✱ Short term monitoring location

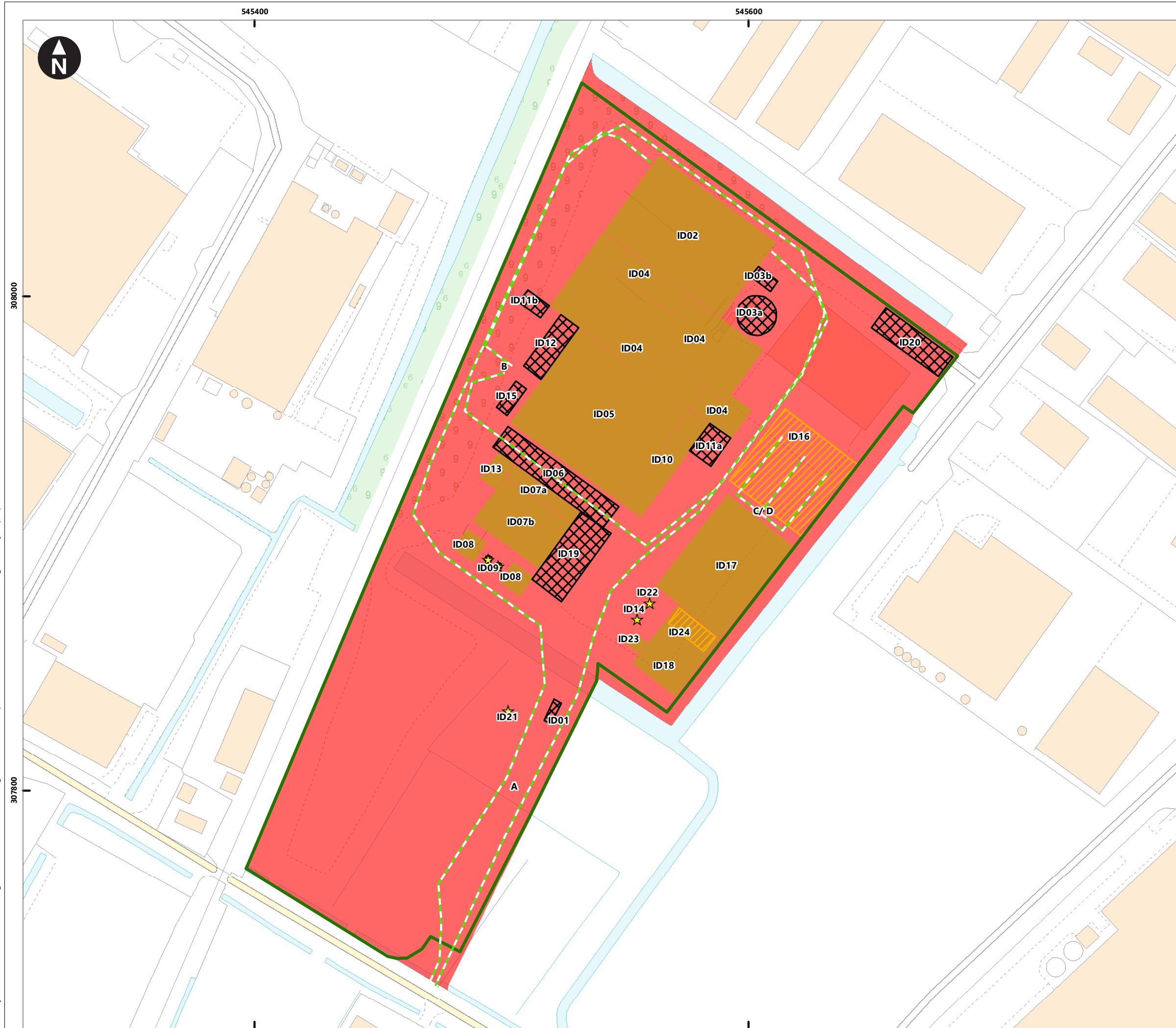
0 100 200 300 400 500 600 m  
Scale at A3: 1:10,000  
Contains OS data © Crown Copyright and database right 2020



Medworth CHP Limited  
Medworth Energy from Waste Combined Heat and Power Facility DCO  
Environmental Permit Application  
Operational Noise Impact Assessment (NIA)

**Figure C.1**  
**Study area, receptors and site location**

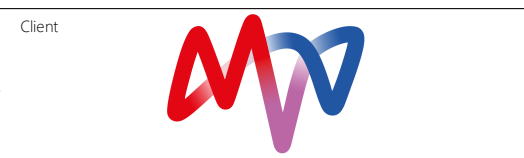
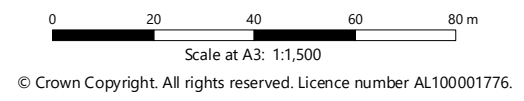




Key

- Permit application boundary
- EfW CHP Facility Site
- ★ Point source
- Line source
- Area source
- Non-source buildings
- Source buildings

A	HGV deliveries of waste
B	Loader (external movements)
C/ D	Exhaust steam pipe (between turbine hall and ACC) (C- normal operation, D - turbine bypass mode operation)
ID01	Gatehouse and weighbridges
ID02	Tipping hall
ID03a	Fire water tank
ID03b	Fire water pump building
ID04	Waste bunker building
ID05	Boiler house building
ID06	Air pollution control storage area
ID07a	APC plant, silos and reactors
ID07b	Bag filter houses
ID08	Induced draft fans buildings
ID09	Chimney outlets
ID10	Switchgear building
ID11a	IBA enclosure (east)
ID11b	IBA enclosure (west)
ID12	Diesel tanks and urea tanks building
ID13	Compressed air station
ID14	Main transformer
ID15	Emergency diesel generator
ID16	Air cooled condenser
ID17	Turbine hall
ID18	Water treatment plant
ID19	Workshop and stores
ID20	Administration building
ID21	132kV switching compound
ID22	Private wire transformer
ID23	Private switchgear compound
ID24	Water re-cooling system (full load)



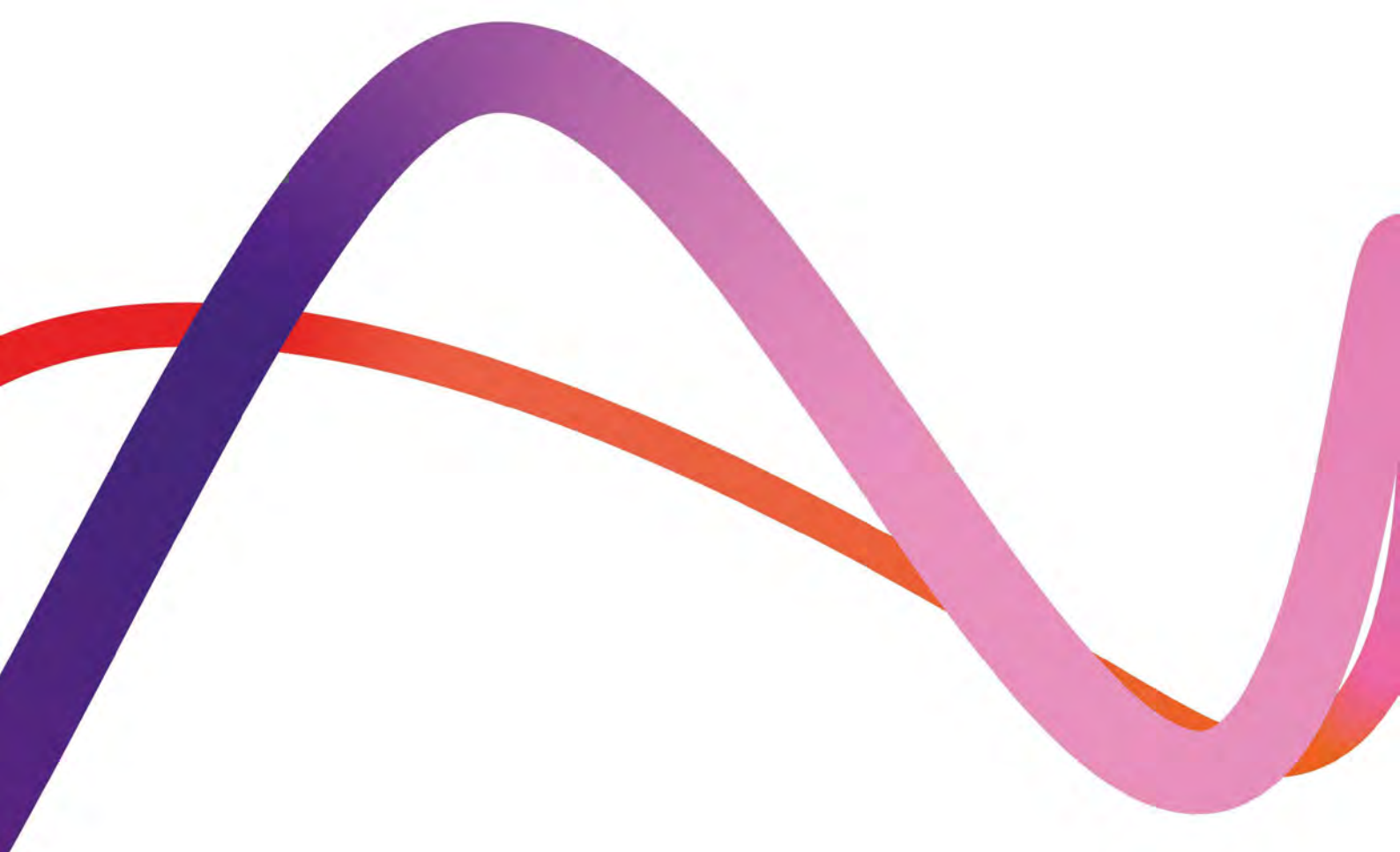
Medworth CHP Limited  
 Medworth Energy from Waste Combined Heat and Power Facility DCO  
 Environmental Permit Application  
 Operational Noise Impact Assessment (NIA)

**Figure C.2**  
**EfW CHP Facility - Operational noise model**



# Annex D Specific Sound Level Prediction Data (Input Data, Calculations and Outputs)





## **Appendix D: Operational Noise Assessment Data**



## Contents

Glossary (2 pages)

Operational noise model input data (5 pages)

Predicted noise levels (8 pages)

Calculation of predicted noise levels:

EfW CHP Facility (normal operation), Weekdays (91 pages)

EfW CHP Facility (normal operation), Weekends (91 pages)

EfW CHP Facility (turbine bypass mode operation), Weekdays (91 pages)

EfW CHP Facility (turbine bypass mode operation), Weekends (91 pages)

EfW CHP Facility (normal operation), Weekdays, with Acoustic Fence to 10 New Bridge Lane (6 pages)

EfW CHP Facility (turbine bypass mode operation), Weekdays, with Acoustic Fence to 10 New Bridge Lane (6 pages)

Predicted noise contours:

Figure D.1 EFW CHP Facility – Predicted weekday daytime noise contours

Figure D.2 EFW CHP Facility – Predicted weekday evening noise contours

Figure D.3 EFW CHP Facility – Predicted weekday night-time noise contours



# Glossary

Term	Description
<b>Aatm</b>	Noise calculation parameter: mean attenuation due to air absorption
<b>Abar</b>	Noise calculation parameter: mean attenuation due to screening
<b>ACC</b>	Air Cooled Condenser
<b>Adiv</b>	Noise calculation parameter: mean attenuation due to geometrical spreading (attenuation with distance)
<b>Agr</b>	Noise calculation parameter: mean attenuation due to ground effect
<b>APC plant</b>	Air Pollution Control plant
<b>dB</b>	Decibel
<b>dBA</b>	A-weighted decibel. A-weighting is a correction factor to represent how the human ear responds to sound, which is internationally accepted and found to correspond well with people's subjective reaction to sound.
<b>dLw</b>	Noise calculation parameter: correction for source operation time
<b>dLrefl</b>	Noise calculation parameter: level increase due to reflections
<b>HGV</b>	Heavy Goods Vehicle. With regard to noise, heavy vehicles/ HGVs are any vehicle with an unladen weight in excess of 3.5 tonnes.
<b>Hz/ kHz</b>	Hertz/ kilohertz: frequency of sound in cycles per second
<b>ID fan</b>	Induced draft fan
<b>I or A</b>	Noise calculation parameter: size of source (length or area)
<b>Ko</b>	Noise calculation parameter: correction for propagation in limited special angle/ correction for diffusivity
<b>L<sub>Aeq, T</sub></b>	The equivalent continuous sound level. The sound level of a steady sound having the same energy as a fluctuating sound over the same period. Ambient and residual sound levels are described with this index. L <sub>Aeq, T</sub> is considered the best general-purpose index for environmental sound, as it is the index which generally best represents how sound levels are perceived.
<b>Leq,d</b>	Noise calculation parameter: sound pressure level during daytime (0700 to 1900 hrs)
<b>Leq,e</b>	Noise calculation parameter: sound pressure level during evening (1900 to 2300 hrs)
<b>Leq,n</b>	Noise calculation parameter: sound pressure level during night-time (2300 to 0700 hrs)
<b>Li/ L<sub>pi</sub></b>	Noise calculation parameter: sound pressure level inside building
<b>Lr</b>	Noise calculation parameter: sound level per time slice, with correction for source operation time



<b>Term</b>	<b>Description</b>
<b>L<sub>s</sub></b>	Noise calculation parameter: sound level per time slice, without correction for source operation time
<b>L<sub>w</sub></b>	Noise calculation parameter: sound power level per unit
<b>L'<sub>w</sub></b>	Noise calculation parameter: sound power level per m/ m <sup>2</sup>
<b>R'<sub>w</sub></b>	Noise calculation parameter: rated transmission loss
<b>S</b>	Noise calculation parameter: distance (source – receiver)



## Operational noise model input data

**Table 1 Noise Source Inputs**

ID	Source	Source Type	Index*	No. in Model	Height Above Ground Level, m	On time/ Other inputs	Overall, dBA	Spectral Sound Levels, dB per Octave Band (63 Hz - 8 kHz)							
								63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
ID02	Tipping hall (during delivery hours)	Building	L <sub>pi</sub>	1	16.5	100%, 0700 - 2000 hrs	89	56	71	75	80	81	85	81	77
ID02	Tipping hall (outside delivery hours)	Building	L <sub>pi</sub>	1	16.5	100%, 2000 - 0700 hrs	86	59	73	76	83	81	79	73	70
ID02	Tipping hall doors (weekday delivery hours)	Area	L <sub>pi</sub>	2	6.0	Open 100% 0700 - 2000 hrs	89	56	71	75	80	81	85	81	77
ID02	Tipping hall Doors (weekend delivery hours)	Area	L <sub>pi</sub>	2	6.0	Open 50% 0700 - 2000 hrs	86	56	71	75	80	81	85	81	77
ID05	Boiler house building	Building	L <sub>pi</sub>	1	50.0	100%	86	59	73	76	83	81	79	73	70
ID04	Waste bunker building	Building	L <sub>pi</sub>	1	36.5	100%	78	48	56	66	71	74	73	65	60
ID17	Turbine hall	Building	L <sub>pi</sub>	1	25.0	100%	89	56	71	75	80	81	85	81	77
ID07b	Bag filter houses	Building	L <sub>pi</sub>	2	25.0	100%	86	59	73	76	83	81	79	73	70
ID08	Induced draft fans buildings	Building	L <sub>pi</sub>	2	10.0	100%	89	62	76	79	86	84	82	76	73

Appendix D: Operational Noise Assessment Data



ID	Source	Source Type	Index*	No. in Model	Height Above Ground Level, m	On time/ Other inputs	Overall, dBA	Spectral Sound Levels, dB per Octave Band (63 Hz - 8 kHz)							
								63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
ID10	Switchgear building	Building	L <sub>pi</sub>	1	16.0	100%	75	84	79	76	71	69	66	64	62
ID13	Compressed air station	Building	L <sub>pi</sub>	1	8.0	100%	85	94	89	86	81	79	76	74	72
ID18	Water treatment plant	Building	L <sub>pi</sub>	1	16.0	100%	85	58	72	75	82	80	78	72	69
ID07a	APC plant, silos and reactors	Building	L <sub>pi</sub>	1	22.0	100%	86	59	73	76	83	81	79	73	70
ID09	Chimney outlets	Point	L <sub>w</sub>	2	90.5	100%	90	67	76	87	90	83	80	68	69
ID14	Main transformer	Point	L <sub>w</sub>	1	11.0	100%	72	75	77	72	72	66	61	56	49
ID16	Air cooled condenser	Area	L <sub>w</sub>	1	25.0	100%	100	101	96	95	102	90	86	80	72
ID21	132kV switching compound	Point	L <sub>w</sub>	1	10.0	100%	75	84	79	76	71	69	66	64	62
ID22	Private wire transformer	Point	L <sub>w</sub>	1	10.0	100%	72	75	77	72	72	66	61	56	49
ID23	Private wire switchgear compound	Building	L <sub>pi</sub>	1	10.0	100%	75	84	79	76	71	69	66	64	62
ID24	Water re-cooling system (full load)	Area	L <sub>w</sub>	1	25.0	100%	89	67	72	77	81	85	84	78	72

Appendix D: Operational Noise Assessment Data



ID	Source	Source Type	Index*	No. in Model	Height Above Ground Level, m	On time/ Other inputs	Overall, dBA	Spectral Sound Levels, dB per Octave Band (63 Hz - 8 kHz)							
								63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
A	HGV deliveries of waste	Line	L <sub>w</sub>	1	1.0	10 mph 0700 - 2000 hrs 284 waste deliveries per day. 24h profile.	108	101	106	106	106	102	101	96	94
B	Loader (external movements)	Line	L <sub>w</sub>	1	1.0	10 mph 0700 - 2000 hrs 2 movements per hour	99	111	100	98	97	93	92	85	77
C	Exhaust Steam Pipe (between turbine hall and ACC)	Line	L <sub>w</sub>	1	12.0 - 26.0	100%	85	52	63	69	78	83	78	70	60
D	Exhaust Steam Pipe (Bypass Mode) (between turbine hall and ACC)	Line	L <sub>w</sub>	1	12.0 - 26.0	100% When in bypass mode	98	65	70	76	85	90	85	77	67

\* - L<sub>pi</sub> = internal sound pressure level

**Table 2 Building Façade Sound Reductions**

Façade Element	Overall, dB R <sub>w</sub>	Sound Reduction, dB R <sub>w</sub> per Octave Band (63 Hz - 8 kHz)							
		63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Walls, concrete: Waste Bunker (up to 23 m above ground level)	49	33	37	38	44	53	60	67	67
Walls: cladding Boiler House, Turbine Hall, ID fan House, Tipping Hall, Water Treatment, Filter House, Waste bunker (> 23 m)	24	15	16	19	23	26	22	39	44
Roof Construction All buildings	24	15	16	19	23	26	22	39	44
Roller Shutter Door Turbine Hall, Boiler House, ID Fan House	29	19	23	22	26	34	31	25	20
Roller Shutter Door Tipping Hall, Water Treatment	24	14	18	17	21	29	26	20	15



**Table 3 Waste Delivery Profiles**

Time (hours)	2 Way Flow		1 Way Flow		Tipping hall doors open, % (worst case assumption)	
	Monday to Friday	Saturdays & Sundays	Monday to Friday	Saturdays & Sundays	Monday to Friday	Saturday & Sundays
0600-0700	0	0	0	0	0	0
0700-0800	25	4	13	2	100	100
0800-0900	27	8	14	4	100	100
0900-1000	29	8	15	4	100	100
1000-1100	27	8	14	4	100	100
1100-1200	28	8	14	4	100	100
1200-1300	28	4	14	2	100	100
1300-1400	29	4	15	2	100	100
1400-1500	27	4	14	2	100	100
1500-1600	27	4	14	2	100	100
1600-1700	15	4	8	2	100	100
1700-1800	10	4	5	2	100	100
1800-1900	8	4	4	2	100	100
1900-2000	4	0	2	0	100	100
2000-2100	0	0	0	0	0	0
2100-2200	0	0	0	0	0	0
2200-2300	0	0	0	0	0	0
Total	284	64	146	32	-	-



## Predicted noise levels

**Table 4 Predicted Operational Sound Levels, Normal Operation**

ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB L <sub>Aeq,T</sub>			EfW CHP Facility, Weekends, dB L <sub>Aeq,T</sub>		
			Day	Eve	Night	Day	Eve	Night
R01	2 New Bridge Lane	GF	42	36	35	38	35	35
R01	2 New Bridge Lane	F 1	43	38	37	40	37	37
R02	9 New Bridge Lane	GF	63	51	46	57	46	46
R02	9 New Bridge Lane	F 1	63	51	47	57	47	47
R03	10 New Bridge Lane	GF	59	49	46	53	46	46
R04	Dwelling known as 'Potty Plants' off new Bridge Lane, north of A47	GF	44	40	39	41	39	39
R04	Dwelling known as 'Potty Plants' off new Bridge Lane, north of A47	F 1	46	41	41	42	41	41
R05	Newbridge Lane Caravan Park	GF	40	38	38	38	38	38
R06	Oakdale Place Park	GF	41	35	35	37	35	35
R07	The Chalet, New Drove	GF	44	42	42	44	42	42
R08	125 New Drove	GF	37	35	35	36	35	35
R08	125 New Drove	F 1	39	37	36	38	36	36
R09	93 South Brink	GF	35	30	29	32	29	29
R09	93 South Brink	F 1	37	31	30	33	31	30
R10	97 South Brink	GF	35	31	30	33	31	30
R10	97 South Brink	F 1	37	33	32	34	32	32
R11	25 Cromwell Road	GF	37	33	32	34	32	32
R11	25 Cromwell Road	F 1	38	34	34	36	34	34
R12	27 - 37 Cox Close	GF	35	32	31	34	32	31
R12	27 - 37 Cox Close	F 1	37	33	32	36	33	32
R13	23 Victory Road	GF	31	28	27	30	28	27
R13	23 Victory Road	F 1	33	29	29	31	29	29
R14	Bruce Close	GF	28	27	27	28	27	27
R14	Bruce Close	F 1	31	30	30	30	30	30
R15	50 – 60 Weasenham Lane	GF	29	27	27	28	27	27



ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB LAeq,T			EfW CHP Facility, Weekends, dB LAeq,T		
			Day	Eve	Night	Day	Eve	Night
R15	50 – 60 Weasenham Lane	F 1	31	29	29	30	29	29
R16	BJ Books Ltd, Algores Way	GF	65	59	55	64	59	55
R16	BJ Books Ltd, Algores Way	F 1	65	60	56	64	60	56
R17 (E)	DHL, 11 Salters Way	GF	52	47	46	48	46	46
R17 (E)	DHL, 11 Salters Way	F 1	53	47	47	49	47	47
R17 (S)	DHL, 11 Salters Way	GF	43	32	29	37	29	29
R17 (S)	DHL, 11 Salters Way	F 1	43	33	31	38	31	31
R18	Welbourns of Wisbech Ltd, 3 New Bridge Lane	GF	55	44	42	49	42	42
R18	Welbourns of Wisbech Ltd, 3 New Bridge Lane	F 1	55	46	44	50	44	44
R19	Kirk Coachworks, New Bridge Lane	GF	34	28	28	30	28	28
R19	Kirk Coachworks, New Bridge Lane	F 1	36	30	29	32	29	29
R20	Thurlow Nunn, 14 Cromwell Road	GF	38	33	32	36	33	32
R20	Thurlow Nunn, 14 Cromwell Road	F 1	40	35	34	37	35	34
R21	Tesco Filling Station, Cromwell Road	GF	37	34	33	35	34	33
R21	Tesco Filling Station, Cromwell Road	F 1	39	35	35	37	35	35
R22 (S)	James Mackle (UK) Ltd, Algores Way	GF	51	47	46	48	46	46
R22 (S)	James Mackle (UK) Ltd, Algores Way	F 1	52	49	49	50	49	49
R22 (W)	James Mackle (UK) Ltd, Algores Way	GF	60	57	57	59	57	57
R22 (W)	James Mackle (UK) Ltd, Algores Way	F 1	61	59	59	60	59	59
R23	Industrial Operation, Boleness Road	GF	49	47	47	47	47	47
R23	Industrial Operation, Boleness Road	F 1	51	49	48	49	48	48
R24	Fountain Frozen Ltd, Salters Way	GF	59	53	52	57	53	52
R24	Fountain Frozen Ltd, Salters Way	F 1	60	54	53	57	54	53
R25	The Anglia Community Eye Service Clinic, 32 Cromwell Road	GF	39	36	36	37	36	36



ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB LAeq,T			EfW CHP Facility, Weekends, dB LAeq,T		
			Day	Eve	Night	Day	Eve	Night
R25	The Anglia Community Eye Service Clinic, 32 Cromwell Road	F 1	41	38	37	39	37	37
R26	TBAP Unity Academy, Algores Way / Weasenham Lane	GF	34	33	32	33	33	32
R26	TBAP Unity Academy, Algores Way / Weasenham Lane	F 1	36	34	34	35	34	34
R27	Cambian Education Foundation Learning Centre, Anglia Way	GF	44	44	43	44	44	43
R27	Cambian Education Foundation Learning Centre, Anglia Way	F 1	46	45	45	46	45	45
R28	Thomas Clarkson Academy	GF	30	29	29	30	29	29
R28	Thomas Clarkson Academy	F 1	32	31	30	32	30	30
R29	64 Weasenham Lane	GF	32	31	31	32	31	31
R29	64 Weasenham Lane	F 1	35	33	33	34	33	33
R30	66 Weasenham Lane	GF	31	30	30	31	30	30
R30	66 Weasenham Lane	F 1	34	33	33	33	33	33
R31	15 Hillburn Road	GF	29	27	26	28	27	26
R31	15 Hillburn Road	F 1	31	29	28	30	29	28
R32	16 Hillburn Road	GF	26	23	23	25	23	23
R32	16 Hillburn Road	F 1	29	26	26	28	26	26
R33	16a Hillburn Road	GF	30	27	27	29	27	27
R33	16a Hillburn Road	F 1	32	30	29	31	30	29
R34	24 Burdett Road	GF	26	24	24	25	24	24
R34	24 Burdett Road	F 1	29	28	27	28	28	27
R35	5 Great Eastern Road	GF	25	24	24	24	24	24
R35	5 Great Eastern Road	F 1	27	26	26	27	26	26
R36	1 Oldfield Lane	GF	24	23	22	23	22	22
R36	1 Oldfield Lane	F 1	27	25	25	26	25	25
R37	3 Oldfield Lane	GF	27	25	24	26	25	24
R37	3 Oldfield Lane	F 1	29	27	27	29	27	27
R38	25 Victory Road	GF	31	28	27	30	28	27
R38	25 Victory Road	F 1	32	29	28	31	29	28



ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB LAeq,T			EfW CHP Facility, Weekends, dB LAeq,T		
			Day	Eve	Night	Day	Eve	Night
R39	27 Victory Road	GF	31	27	27	29	27	27
R39	27 Victory Road	F 1	32	28	28	30	28	28
R44	52 Broadend Road	GF	17	14	13	15	14	13
R44	52 Broadend Road	F 1	19	16	16	17	16	16
R45	56 Broadend Road	GF	16	14	13	15	14	13
R45	56 Broadend Road	F 1	18	16	16	17	16	16
R46	Elme Hall Hotel	GF	24	22	22	23	22	22
R46	Elme Hall Hotel	F 1	27	25	25	26	25	25
R47	85 Elm High Road	GF	28	25	25	27	25	25
R47	85 Elm High Road	F 1	30	27	26	28	27	26
R48	36 Elmfield Drive	GF	24	22	21	23	22	21
R48	36 Elmfield Drive	F 1	26	23	23	25	23	23
R49	Oxburgh Cottage, Meadowgate Lane	GF	22	19	19	21	19	19
R49	Oxburgh Cottage, Meadowgate Lane	F 1	24	21	20	22	21	20
R50	21 Cromwell Road	GF	33	30	29	31	30	29
R50	21 Cromwell Road	F 1	34	31	30	33	31	30
R51	Floorspan Contracts, Unit 1, Europa Way	GF	58	54	52	56	54	52
R52	Hair World UK Ltd, Algores Way	GF	58	54	53	57	54	53
R52	Hair World UK Ltd, Algores Way	F 1	59	56	54	58	55	54
R53	The Builders Yard, rear of 9 New Bridge Lane	GF	57	50	49	53	49	49

**Table 5 Predicted Operational Sound Levels, Turbine Bypass Mode Operation**

ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB LAeq,T			EfW CHP Facility, Weekends, dB LAeq,T		
			Day	Eve	Night	Day	Eve	Night
R01	2 New Bridge Lane	GF	39	36	35	37	35	35
R01	2 New Bridge Lane	F 1	41	38	37	39	38	37
R02	9 New Bridge Lane	GF	54	47	46	50	46	46
R02	9 New Bridge Lane	F 1	54	48	47	50	47	47
R03	10 New Bridge Lane	GF	57	48	46	52	46	46
R04	Dwelling known as 'Potty Plants' off new Bridge Lane, north of A47	GF	44	40	40	41	40	40
R04	Dwelling known as 'Potty Plants' off new Bridge Lane, north of A47	F 1	45	41	41	42	41	41
R05	Newbridge Lane Caravan Park	GF	40	38	38	39	38	38
R06	Oakdale Place Park	GF	40	35	35	37	35	35
R07	The Chalet, New Drove	GF	45	43	43	44	43	43
R08	125 New Drove	GF	38	36	36	37	36	36
R08	125 New Drove	F 1	39	37	37	38	37	37
R09	93 South Brink	GF	33	29	29	30	29	29
R09	93 South Brink	F 1	35	31	30	33	31	30
R10	97 South Brink	GF	35	31	30	33	31	30
R10	97 South Brink	F 1	36	33	32	34	32	32
R11	25 Cromwell Road	GF	36	33	32	34	33	32
R11	25 Cromwell Road	F 1	38	34	34	36	34	34
R12	27 - 37 Cox Close	GF	35	32	31	34	32	31
R12	27 - 37 Cox Close	F 1	37	33	32	36	33	32
R13	23 Victory Road	GF	31	29	28	30	28	28
R13	23 Victory Road	F 1	33	30	29	31	30	29
R14	Bruce Close	GF	28	28	28	28	28	28
R14	Bruce Close	F 1	31	30	30	31	30	30
R15	50 – 60 Weasenham Lane	GF	29	28	27	28	28	27
R15	50 – 60 Weasenham Lane	F 1	31	29	29	30	29	29
R16	BJ Books Ltd, Algores Way	GF	65	60	56	64	60	56



ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB LAeq,T			EfW CHP Facility, Weekends, dB LAeq,T		
			Day	Eve	Night	Day	Eve	Night
R16	BJ Books Ltd, Algores Way	F 1	65	60	57	64	60	57
R17 (E)	DHL, 11 Salters Way	GF	52	47	46	48	46	46
R17 (E)	DHL, 11 Salters Way	F 1	52	47	47	49	47	47
R17 (S)	DHL, 11 Salters Way	GF	35	30	29	32	30	29
R17 (S)	DHL, 11 Salters Way	F 1	37	31	31	33	31	31
R18	Welbourns of Wisbech Ltd, 3 New Bridge Lane	GF	48	43	42	45	42	42
R18	Welbourns of Wisbech Ltd, 3 New Bridge Lane	F 1	49	44	44	46	44	44
R19	Kirk Coachworks, New Bridge Lane	GF	33	28	28	30	28	28
R19	Kirk Coachworks, New Bridge Lane	F 1	35	30	29	31	29	29
R20	Thurlow Nunn, 14 Cromwell Road	GF	37	33	33	35	33	33
R20	Thurlow Nunn, 14 Cromwell Road	F 1	39	35	34	37	35	34
R21	Tesco Filling Station, Cromwell Road	GF	36	34	33	35	34	33
R21	Tesco Filling Station, Cromwell Road	F 1	38	35	35	37	35	35
R22 (S)	James Mackle (UK) Ltd, Algores Way	GF	51	48	48	49	48	48
R22 (S)	James Mackle (UK) Ltd, Algores Way	F 1	53	50	50	51	50	50
R22 (W)	James Mackle (UK) Ltd, Algores Way	GF	61	59	58	60	59	58
R22 (W)	James Mackle (UK) Ltd, Algores Way	F 1	62	60	60	61	60	60
R23	Industrial Operation, Boleness Road	GF	49	48	47	48	47	47
R23	Industrial Operation, Boleness Road	F 1	51	49	49	50	49	49
R24	Fountain Frozen Ltd, Salters Way	GF	59	53	52	57	53	52
R24	Fountain Frozen Ltd, Salters Way	F 1	59	54	53	57	54	53
R25	The Anglia Community Eye Service Clinic, 32 Cromwell Road	GF	39	36	36	37	36	36
R25	The Anglia Community Eye Service Clinic, 32 Cromwell Road	F 1	41	38	37	39	37	37



ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB LAeq,T			EfW CHP Facility, Weekends, dB LAeq,T		
			Day	Eve	Night	Day	Eve	Night
R26	TBAP Unity Academy, Algores Way / Weasenham Lane	GF	34	33	33	34	33	33
R26	TBAP Unity Academy, Algores Way / Weasenham Lane	F 1	36	35	35	35	35	35
R27	Cambian Education Foundation Learning Centre, Anglia Way	GF	45	44	44	45	44	44
R27	Cambian Education Foundation Learning Centre, Anglia Way	F 1	47	46	46	46	46	46
R28	Thomas Clarkson Academy	GF	31	29	29	30	29	29
R28	Thomas Clarkson Academy	F 1	32	31	30	32	31	30
R29	64 Weasenham Lane	GF	33	32	31	32	32	31
R29	64 Weasenham Lane	F 1	35	34	33	35	34	33
R30	66 Weasenham Lane	GF	31	31	30	31	31	30
R30	66 Weasenham Lane	F 1	34	33	33	34	33	33
R31	15 Hillburn Road	GF	31	28	27	30	28	27
R31	15 Hillburn Road	F 1	32	29	29	31	29	29
R32	16 Hillburn Road	GF	31	28	27	29	28	27
R32	16 Hillburn Road	F 1	32	29	28	30	29	28
R33	16a Hillburn Road	GF	33	30	29	31	30	29
R33	16a Hillburn Road	F 1	34	31	30	33	31	30
R34	24 Burdett Road	GF	58	54	52	56	54	52
R34	24 Burdett Road	F 1	58	55	54	58	55	54
R35	5 Great Eastern Road	GF	59	56	55	58	56	55
R35	5 Great Eastern Road	F 1	57	50	49	52	49	49
R36	1 Oldfield Lane	GF	39	36	35	37	35	35
R36	1 Oldfield Lane	F 1	41	38	37	39	38	37
R37	3 Oldfield Lane	GF	54	47	46	50	46	46
R37	3 Oldfield Lane	F 1	54	48	47	50	47	47
R38	25 Victory Road	GF	57	48	46	52	46	46
R38	25 Victory Road	F 1	44	40	40	41	40	40
R39	27 Victory Road	GF	45	41	41	42	41	41





ID	Receptor	Floor	EfW CHP Facility, Weekdays, dB LAeq,T			EfW CHP Facility, Weekends, dB LAeq,T		
			Day	Eve	Night	Day	Eve	Night
R39	27 Victory Road	F 1	40	38	38	39	38	38
R44	52 Broadend Road	GF	40	35	35	37	35	35
R44	52 Broadend Road	F 1	45	43	43	44	43	43
R45	56 Broadend Road	GF	38	36	36	37	36	36
R45	56 Broadend Road	F 1	39	37	37	38	37	37
R46	Elme Hall Hotel	GF	33	29	29	30	29	29
R46	Elme Hall Hotel	F 1	35	31	30	33	31	30
R47	85 Elm High Road	GF	35	31	30	33	31	30
R47	85 Elm High Road	F 1	36	33	32	34	32	32
R48	36 Elmfield Drive	GF	36	33	32	34	33	32
R48	36 Elmfield Drive	F 1	38	34	34	36	34	34
R49	Oxburgh Cottage, Meadowgate Lane	GF	35	32	31	34	32	31
R49	Oxburgh Cottage, Meadowgate Lane	F 1	37	33	32	36	33	32
R50	21 Cromwell Road	GF	31	29	28	30	28	28
R50	21 Cromwell Road	F 1	33	30	29	31	30	29
R51	Floorspan Contracts, Unit 1, Europa Way	GF	28	28	28	28	28	28
R52	Hair World UK Ltd, Algores Way	GF	31	30	30	31	30	30
R52	Hair World UK Ltd, Algores Way	F 1	29	28	27	28	28	27
R53	The Builders Yard, rear of 9 New Bridge Lane	GF	31	29	29	30	29	29



## Calculation of predicted noise levels

**Table 6 Mean source propagation  $L_{Aeq}$  calculations: EfW CHP Facility (normal operation), Weekdays**

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R1 FI GF Leq,d 38.7 dB(A) Leq,e 35.5 dB(A) Leq,n 35.0 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1	10.8	32.9
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9	10.8	30.7
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2	3.0	12.6
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	0.7	0.0	0.7
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	2.6	0.0	2.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	0.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	0.0	8.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	0.0	20.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	0.0	29.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	0.0	15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3	
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0	
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0	
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3	
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6	
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4	
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4	
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2	
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1	-3.0	19.1	
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9	-3.0	16.9	
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2	-3.0	6.6	
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	0.7	0.0	0.7	
C - Exhaust Steam Pipe	Line	Leq,e				63.0	82.2	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	2.6	0.0	2.6

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	-2.0	2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	-2.0	6.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	-2.0	6.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	-2.0	18.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	-6.0	23.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	-6.0	9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	0.7	0.0	0.7
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	2.6	0.0	2.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	-3.0	1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	-3.0	5.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	-3.0	5.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	-3.0	17.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	-24.0	5.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	-24.0	-8.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2
Receiver R1 F1 F 1 Leq,d 40.9 dB(A) Leq,e 37.6 dB(A) Leq,n 37.0 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6	10.8	35.4
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8	10.8	32.6
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0	3.0	15.5
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	3.0	0.0	3.0
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	5.6	0.0	5.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	0.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	0.0	7.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	0.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	0.0	22.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	0.0	33.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	0.0	15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6	-3.0	21.6
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8	-3.0	18.8
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0	-3.0	9.5
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	3.0	0.0	3.0
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	5.6	0.0	5.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	-2.0	2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	-2.0	5.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	-2.0	6.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	-2.0	20.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	-6.0	27.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	-6.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	3.0	0.0	3.0
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	5.6	0.0	5.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	-3.0	1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	-3.0	4.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	-3.0	5.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	-3.0	19.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	-24.0	9.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	-24.0	-8.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3	
Receiver R2 FI GF Leq,d 54.4 dB(A) Leq,e 47.0 dB(A) Leq,n 46.0 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6	10.8	51.4	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0	10.8	49.8	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	23.0	3.0	25.5	
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	17.5	0.0	17.5	
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	19.8	0.0	19.8	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	0.0	9.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	0.0	8.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	0.0	10.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	0.0	11.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	0.0	21.1	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	0.0	20.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6	

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	-4.5	-0.5	4.4	11.0	0.0	11.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6	-3.0	37.6
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0	-3.0	36.0
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	23.0	-3.0	19.5
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	17.5	0.0	17.5
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	19.8	0.0	19.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	-2.0	7.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	-2.0	6.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	-2.0	8.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	-6.0	15.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	-6.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	-4.5	-0.5	4.4	11.0	0.0	11.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	23.0		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	17.5	0.0	17.5
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	19.8	0.0	19.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	-3.0	6.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	-3.0	5.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	-3.0	7.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	-3.0	8.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	-24.0	-2.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	-24.0	-3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	-4.5	-0.5	4.4	11.0	0.0	11.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
Receiver R2 F1 F1 Leq,d 54.4 dB(A) Leq,e 47.8 dB(A) Leq,n 47.1 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5	10.8	51.2	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7	10.8	49.5	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6	3.0	26.0	
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	18.8	0.0	18.8	
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	21.6	0.0	21.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	0.0	9.5	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	0.0	9.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	0.0	10.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	0.0	12.1	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	0.0	21.6	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	0.0	20.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8	

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5	-3.0	37.4
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7	-3.0	35.7
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6	-3.0	20.0
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	18.8	0.0	18.8
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	21.6	0.0	21.6

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	-2.0	7.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	-2.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	-2.0	8.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	-2.0	10.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	-6.0	15.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	-6.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	18.8	0.0	18.8
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	21.6	0.0	21.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	-3.0	6.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	-3.0	6.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	-3.0	7.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	-3.0	9.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	-24.0	-2.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	-24.0	-3.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3
Receiver R3 FI GF Leq,d 57.4 dB(A) Leq,e 48.0 dB(A) Leq,n 46.2 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3	10.8	54.1
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2	10.8	54.0
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2	3.0	25.7
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	15.3	0.0	15.3
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	17.1	0.0	17.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	0.0	12.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	0.0	11.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	0.0	5.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	0.0	20.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	0.0	21.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,d							223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,d							225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3	-3.0	40.3
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2	-3.0	40.2
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2	-3.0	19.6
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	15.3	0.0	15.3
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	17.1	0.0	17.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	-2.0	10.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	-2.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	-2.0	3.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	-6.0	14.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	-6.0	15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	15.3	0.0	15.3
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	17.1	0.0	17.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	-3.0	9.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	-3.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	-3.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	-3.0	2.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	-24.0	-3.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	-24.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
Receiver R4 FI GF Leq,d 43.4 dB(A) Leq,e 39.6 dB(A) Leq,n 39.3 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2	10.8	38.0
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5	10.8	38.2
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4	3.0	12.0
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	14.3	0.0	14.3
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	15.8	0.0	15.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	0.0	18.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	0.0	5.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	0.0	5.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	0.0	0.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	0.0	14.5
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	0.0	26.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-3.1	2.6	8.8	0.0	8.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2	-3.0	24.2
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5	-3.0	24.4
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4	-3.0	5.9
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	14.3	0.0	14.3
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	15.8	0.0	15.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	-2.0	16.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	-2.0	3.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	-2.0	3.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	-2.0	-2.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	-6.0	8.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	-6.0	20.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-1.1	2.6	8.8	0.0	8.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	14.3	0.0	14.3
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	15.8	0.0	15.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	-3.0	15.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	-3.0	2.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	-3.0	2.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	-3.0	-3.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	-24.0	-9.5
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	-24.0	2.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-3.1	2.6	8.8	0.0	8.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R4 FIF 1 Leq,d 44.7 dB(A) Leq,e 41.0 dB(A) Leq,n 40.6 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0	10.8	38.8
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0	10.8	39.8
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3	3.0	14.8
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	15.4	0.0	15.4
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	16.9	0.0	16.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	0.0	19.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	0.0	5.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	0.0	5.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	0.0	0.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	0.0	14.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	0.0	29.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0	-3.0	25.0
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0	-3.0	26.0
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3	-3.0	8.8
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	15.4	0.0	15.4
C - Exhaust Steam Pipe	Line	Leq,e				63.0	82.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	16.9	0.0	16.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	-2.0	17.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	-2.0	3.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	-2.0	3.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	-2.0	-1.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	-6.0	8.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	-6.0	23.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	15.4	0.0	15.4
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	16.9	0.0	16.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	-3.0	16.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	-3.0	2.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	-3.0	2.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	-3.0	-2.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	-24.0	-9.2



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	-24.0	5.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3
Receiver R5 FI GF Leq,d 39.3 dB(A) Leq,e 37.7 dB(A) Leq,n 37.5 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0	10.8	29.8
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1	10.8	30.9
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5	3.0	10.8
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	15.2	0.0	15.2
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	0.0	16.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	0.0	2.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	2.3	0.0	2.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	0.0	-3.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	0.0	11.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	0.0	28.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0	-3.0	16.0
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1	-3.0	17.0
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5	-3.0	4.8
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	15.2	0.0	15.2
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	-2.0	14.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	-2.0	0.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	2.3	-2.0	0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	-2.0	-5.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	-6.0	5.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	-6.0	22.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	15.2	0.0	15.2
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	-3.0	13.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	-3.0	-1.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	2.3	-3.0	-0.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	-3.0	-6.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	-24.0	-12.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	-24.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9
ID22 - Private wire transformer	Point	Leq,n				72.4	72.4	0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6
Receiver R6 FI GF Leq,d 39.5 dB(A) Leq,e 35.1 dB(A) Leq,n 34.8 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d				66.1	92.3	0	525.79	-65.4	2.8	-2.9	-3.0	0.6	24.4	10.8	35.2
A - HGVs (leaving site)	Line	Leq,d				66.1	91.6	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3	10.8	34.1
B - Loader (external movements)	Line	Leq,d				57.2	83.9	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8	3.0	16.3
C - Exhaust Steam Pipe	Line	Leq,d				65.8	82.2	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	7.5	0.0	7.5
C - Exhaust Steam Pipe	Line	Leq,d				63.0	82.2	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	9.1	0.0	9.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	0.0	-1.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	0.0	-0.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	0.0	0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	0.0	-3.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	0.0	10.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-4.2	1.0	1.8	0.0	1.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	525.79	-65.4	2.8	-2.9	-3.0	0.6	24.4	-3.0	21.4
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3	-3.0	20.3
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8	-3.0	10.3
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	7.5	0.0	7.5
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	9.1	0.0	9.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	-2.0	-3.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	-2.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	-2.0	-1.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	-2.0	-5.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	-6.0	4.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	-6.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-4.2	1.0	1.8	0.0	1.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,e				89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3
A - HGVs (accessing site)	Line	Leq,n				66.1	92.3	0	525.78	-65.4	2.8	-2.9	-3.0	0.6	24.4		
A - HGVs (leaving site)	Line	Leq,n				66.1	91.6	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3		
B - Loader (external movements)	Line	Leq,n				57.2	83.9	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8		
C - Exhaust Steam Pipe	Line	Leq,n				65.8	82.2	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	7.5	0.0	7.5
C - Exhaust Steam Pipe	Line	Leq,n				63.0	82.2	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	9.1	0.0	9.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	-3.0	-4.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	-3.0	-3.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	-3.0	-2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	-3.0	-6.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	-24.0	-13.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	-24.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-2.5	1.0	1.8	0.0	1.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.5	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R7 FI GF Leq,d 44.3 dB(A) Leq,e 42.3 dB(A) Leq,n 41.8 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5	10.8	31.3
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6	10.8	35.4
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0	3.0	17.5
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	23.4	0.0	23.4
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	22.8	0.0	22.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	0.0	25.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	0.0	24.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	0.0	18.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	0.0	3.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	0.0	18.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	0.0	38.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5	-3.0	17.5
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6	-3.0	21.6
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0	-3.0	11.4
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	23.4	0.0	23.4
C - Exhaust Steam Pipe	Line	Leq,e				63.0	82.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	22.8	0.0	22.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	-2.0	23.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	-2.0	22.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	-2.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	-2.0	1.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	-6.0	12.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	-6.0	32.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	23.4	0.0	23.4
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	22.8	0.0	22.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	-3.0	22.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	-3.0	21.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	-3.0	15.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	-3.0	0.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	-24.0	-6.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	-24.0	14.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
Receiver R8 FI GF Leq,d 36.9 dB(A) Leq,e 35.2 dB(A) Leq,n 34.8 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1	10.8	23.9
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9	10.8	27.7
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5	3.0	11.0
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	16.5	0.0	16.5
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	0.0	20.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	0.0	23.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	0.0	7.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	0.0	1.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	0.0	13.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	0.0	29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5			665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5			669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1	-3.0	10.1
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9	-3.0	13.9
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5	-3.0	5.0
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	16.5	0.0	16.5
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	-2.0	18.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	-2.0	21.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	-2.0	4.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	-2.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	-6.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	-6.0	23.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	171.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	16.5	0.0	16.5
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	-3.0	17.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	-3.0	20.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	-3.0	4.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	-3.0	-1.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	-24.0	-10.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	-24.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4	
Receiver R8 F1 F1 Leq,d 38.5 dB(A) Leq,e 36.4 dB(A) Leq,n 35.9 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0	10.8	25.8	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2	10.8	30.0	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6	3.0	13.0	
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	17.1	0.0	17.1	
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	16.9	0.0	16.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	0.0	21.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	0.0	24.0	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	0.0	7.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	0.0	1.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	0.0	13.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	0.0	32.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	-2.7	0.4	-6.0	0.0	-6.0	

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0	-3.0	12.0
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2	-3.0	16.2
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6	-3.0	7.0
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	17.1	0.0	17.1
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	16.9	0.0	16.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	-2.0	19.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	-2.0	22.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	-2.0	5.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	-2.0	-0.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	-6.0	7.5
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	-6.0	26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	-2.7	0.4	-6.0	0.0	-6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	17.1	0.0	17.1
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	16.9	0.0	16.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	-3.0	18.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	-3.0	21.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	-3.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	-3.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	-24.0	-10.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	-24.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	-2.7	0.4	-6.0	0.0	-6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R9 FI GF Leq,d 32.8 dB(A) Leq,e 29.2 dB(A) Leq,n 28.8 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9	10.8	27.7
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4	10.8	26.2
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7	3.0	5.2
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-11.5	0.0	-11.5
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	-8.4	0.0	-8.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	0.0	-2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	0.0	0.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	0.0	1.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	0.0	11.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	0.0	19.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9	-3.0	13.9
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4	-3.0	12.4
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7	-3.0	-0.8
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-11.5	0.0	-11.5
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	-8.4	0.0	-8.4



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	-2.0	-4.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	-2.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	-2.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	-6.0	14.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	-6.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-11.5	0.0	-11.5
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	-8.4	0.0	-8.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	-3.0	-5.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	-3.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	-3.0	-1.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	-3.0	8.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	-24.0	-4.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	-24.0	-14.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
Receiver R9 F1 F1 Leq,d 34.9 dB(A) Leq,e 30.9 dB(A) Leq,n 30.3 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4	10.8	30.2
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3	10.8	28.1
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7	3.0	8.2
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-11.0	0.0	-11.0
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-10.9	0.0	-10.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	0.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	0.0	1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	0.0	2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	0.0	14.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	0.0	24.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	0.0	9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4	-3.0	16.4
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3	-3.0	14.3
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7	-3.0	2.2
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-11.0	0.0	-11.0
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-10.9	0.0	-10.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	-2.0	-4.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	-2.0	-0.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	-2.0	0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	-2.0	12.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	-6.0	18.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	-6.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,e				89.5		0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,e				89.5		0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-11.0	0.0	-11.0
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-10.9	0.0	-10.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	-3.0	-5.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	-3.0	-1.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	-3.0	-0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	-3.0	11.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	-24.0	0.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	-24.0	-14.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8	
Receiver R10 FI GF Leq,d 34.5 dB(A) Leq,e 31.2 dB(A) Leq,n 30.4 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3	10.8	29.1	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6	10.8	24.4	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9	3.0	10.4	
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-12.4	0.0	-12.4	
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	-0.3	0.0	-0.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	0.0	-3.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	0.0	-0.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	0.0	1.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	0.0	13.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	0.0	28.0	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	0.0	8.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0	

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3	-3.0	15.3
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6	-3.0	10.6
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9	-3.0	4.4
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-12.4	0.0	-12.4
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	-0.3	0.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	-2.0	-5.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	-2.0	-2.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	-2.0	-0.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	-2.0	11.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	-6.0	22.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	-6.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1	
ID24 - Water recooling system (full load)	Area	Leq,e				67.6	89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,n				66.1	92.3	422.8	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3		
A - HGVs (leaving site)	Line	Leq,n				66.1	91.6	353.8	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6		
B - Loader (external movements)	Line	Leq,n				57.2	83.9	476.8	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9		
C - Exhaust Steam Pipe	Line	Leq,n				65.8	82.2	43.6	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-12.4	0.0	-12.4
C - Exhaust Steam Pipe	Line	Leq,n				63.0	82.2	83.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	-0.3	0.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	-3.0	-6.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	-3.0	-3.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	-3.0	-1.8	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	-3.0	10.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	-24.0	4.0	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	-24.0	-15.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9	

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
Receiver R10 F1 F1 Leq,d 36.1 dB(A) Leq,e 32.5 dB(A) Leq,n 31.7 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4	10.8	31.2	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2	10.8	27.0	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5	3.0	11.9	
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	732.38	-68.3	1.7	-24.3	-3.3	0.0	-12.0	0.0	-12.0	
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	0.4	0.0	0.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	0.0	-2.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	0.0	0.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	0.0	1.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	0.0	14.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	0.0	28.8	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	0.0	8.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6	



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4	-3.0	17.4
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2	-3.0	13.2
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5	-3.0	5.9
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	732.38	-68.3	1.7	-24.3	-3.3	0.0	-12.0	0.0	-12.0
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	0.4	0.0	0.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	-2.0	-5.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	-2.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	-2.0	-0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	-2.0	12.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	-6.0	22.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	-6.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	732.38	-68.3	1.7	-24.3	-3.3	0.0	-12.0	0.0	-12.0
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	0.4	0.0	0.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	-3.0	-5.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	-3.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	-3.0	-1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	-3.0	11.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	-24.0	4.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	-24.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID10 - Switchgear building	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9



**Table 7 Mean source propagation  $L_{Aeq}$  calculations: EfW CHP Facility (normal operation), Weekends**

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R1 FI GF Leq,d 36.9 dB(A) Leq,e 35.4 dB(A) Leq,n 35.0 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1	4.3	26.3
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9	4.3	24.1
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2	3.0	12.6
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	0.7	0.0	0.7
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	2.6	0.0	2.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	0.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	0.0	8.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	0.0	20.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	0.0	29.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	0.0	15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2	-3.0	6.6
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	0.7	0.0	0.7
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	2.6	0.0	2.6



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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	-2.0	2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	-2.0	6.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	-2.0	6.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	-2.0	18.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	-6.0	23.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	-6.0	9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	0.7	0.0	0.7
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	2.6	0.0	2.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	-3.0	1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	-3.0	5.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	-3.0	5.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	-3.0	17.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	-24.0	5.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	-24.0	-8.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2
Receiver R1 F1 F1 Leq,d 39.2 dB(A) Leq,e 37.4 dB(A) Leq,n 37.0 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6	4.3	28.8
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8	4.3	26.1
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0	3.0	15.5
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	3.0	0.0	3.0
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	5.6	0.0	5.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	0.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	0.0	7.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	0.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	0.0	22.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	0.0	33.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	0.0	15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0	-3.0	9.5
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	3.0	0.0	3.0
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	5.6	0.0	5.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	-2.0	2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	-2.0	5.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	-2.0	6.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	-2.0	20.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	-6.0	27.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	-6.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	3.0	0.0	3.0
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	5.6	0.0	5.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	-3.0	1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	-3.0	4.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	-3.0	5.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	-3.0	19.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	-24.0	9.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	-24.0	-8.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3	
Receiver R2 FI GF Leq,d 49.7 dB(A) Leq,e 46.0 dB(A) Leq,n 46.0 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6	4.3	44.9	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0	4.3	43.3	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	23.0	3.0	25.5	
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	17.5	0.0	17.5	
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	19.8	0.0	19.8	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	0.0	9.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	0.0	8.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	0.0	10.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	0.0	11.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	0.0	21.1	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	0.0	20.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	4.5	-0.5	4.4	11.0	0.0	11.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	23.0	-3.0	19.5
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	17.5	0.0	17.5
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	19.8	0.0	19.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	-2.0	7.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	-2.0	6.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	-2.0	8.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	-6.0	15.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	-6.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	-4.5	-0.5	4.4	11.0	0.0	11.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	23.0		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	17.5	0.0	17.5
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	19.8	0.0	19.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	-3.0	6.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	-3.0	5.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	-3.0	7.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	-3.0	8.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	-24.0	-2.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	-24.0	-3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	-4.5	-0.5	4.4	11.0	0.0	11.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
Receiver R2 F1F1 Leq,d 50.1 dB(A) Leq,e 47.1 dB(A) Leq,n 47.1 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5	4.3	44.7	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7	4.3	43.0	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6	3.0	26.0	
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	18.8	0.0	18.8	
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	21.6	0.0	21.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	0.0	9.5	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	0.0	9.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	0.0	10.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	0.0	12.1	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	0.0	21.6	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	0.0	20.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8	



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6	-3.0	20.0
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	18.8	0.0	18.8
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	21.6	0.0	21.6

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	-2.0	7.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	-2.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	-2.0	8.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	-2.0	10.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	-6.0	15.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	-6.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	18.8	0.0	18.8
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	21.6	0.0	21.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	-3.0	6.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	-3.0	6.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	-3.0	7.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	-3.0	9.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	-24.0	-2.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	-24.0	-3.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3
Receiver R3 FI GF Leq,d 51.9 dB(A) Leq,e 46.2 dB(A) Leq,n 46.2 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3	4.3	47.5
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2	4.3	47.4
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2	3.0	25.7
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	15.3	0.0	15.3
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	17.1	0.0	17.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	0.0	12.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	0.0	11.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	0.0	5.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	0.0	20.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	0.0	21.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,d							223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,d							225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2	-3.0	19.6
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	15.3	0.0	15.3
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	17.1	0.0	17.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	-2.0	10.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	-2.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	-2.0	3.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	-6.0	14.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	-6.0	15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	15.3	0.0	15.3
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	17.1	0.0	17.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	-3.0	9.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	-3.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	-3.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	-3.0	2.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	-24.0	-3.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	-24.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
Receiver R4 FI GF Leq,d 40.7 dB(A) Leq,e 39.3 dB(A) Leq,n 39.3 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2	4.3	31.5
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5	4.3	31.7
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4	3.0	12.0
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	14.3	0.0	14.3
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	15.8	0.0	15.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	0.0	18.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	0.0	5.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	0.0	5.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	0.0	0.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	0.0	14.5
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	0.0	26.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-3.1	2.6	8.8	0.0	8.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4	-3.0	5.9
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	14.3	0.0	14.3
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	15.8	0.0	15.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	-2.0	16.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	-2.0	3.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	-2.0	3.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	-2.0	-2.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	-6.0	8.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	-6.0	20.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-1.1	2.6	8.8	0.0	8.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	14.3	0.0	14.3
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	15.8	0.0	15.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	-3.0	15.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	-3.0	2.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	-3.0	2.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	-3.0	-3.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	-24.0	-9.5
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	-24.0	2.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-3.1	2.6	8.8	0.0	8.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R4 FIF 1 Leq,d 42.1 dB(A) Leq,e 40.7 dB(A) Leq,n 40.6 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0	4.3	32.3
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0	4.3	33.3
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3	3.0	14.8
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	15.4	0.0	15.4
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	16.9	0.0	16.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	0.0	19.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	0.0	5.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	0.0	5.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	0.0	0.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	0.0	14.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	0.0	29.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3	-3.0	8.8
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	15.4	0.0	15.4
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	16.9	0.0	16.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	-2.0	17.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	-2.0	3.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	-2.0	3.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	-2.0	-1.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	-6.0	8.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	-6.0	23.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	15.4	0.0	15.4
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	16.9	0.0	16.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	-3.0	16.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	-3.0	2.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	-3.0	2.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	-3.0	-2.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	-24.0	-9.2

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	-24.0	5.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3
Receiver R5 FI GF Leq,d 38.3 dB(A) Leq,e 37.6 dB(A) Leq,n 37.5 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0	4.3	23.3
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1	4.3	24.3
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5	3.0	10.8
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	15.2	0.0	15.2
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	0.0	16.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	0.0	2.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	2.3	0.0	2.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	0.0	-3.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	0.0	11.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	0.0	28.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5	-3.0	4.8
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	15.2	0.0	15.2
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	-2.0	14.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	-2.0	0.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	2.3	-2.0	0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	-2.0	-5.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	-6.0	5.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	-6.0	22.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	15.2	0.0	15.2
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	-3.0	13.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	-3.0	-1.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	3.3	-3.0	-0.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	-3.0	-6.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	-24.0	-12.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	-24.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6	
Receiver R6 FI GF Leq,d 36.4 dB(A) Leq,e 34.8 dB(A) Leq,n 34.8 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	525.79	-65.4	2.8	-2.9	-3.0	0.6	24.4	4.3	28.6	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3	4.3	27.6	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8	3.0	16.3	
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	7.5	0.0	7.5	
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	9.1	0.0	9.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	0.0	-1.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	0.0	-0.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	0.0	0.5	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	0.0	-3.8	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	0.0	10.2	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	0.0	10.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-4.2	1.0	1.8	0.0	1.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	525.79	-65.4	2.8	-2.9	-3.0	0.6	24.4		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8	-3.0	10.3
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	7.5	0.0	7.5
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	9.1	0.0	9.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	-2.0	-3.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	-2.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	-2.0	-1.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	-2.0	-5.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	-6.0	4.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	-6.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-4.2	1.0	1.8	0.0	1.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,e				89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3
A - HGVs (accessing site)	Line	Leq,n				66.1	92.3	0	525.79	-65.4	2.8	-2.9	-3.0	0.6	24.4		
A - HGVs (leaving site)	Line	Leq,n				66.1	91.6	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3		
B - Loader (external movements)	Line	Leq,n				57.2	83.9	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8		
C - Exhaust Steam Pipe	Line	Leq,n				65.8	82.2	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	7.5	0.0	7.5
C - Exhaust Steam Pipe	Line	Leq,n				63.0	82.2	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	9.1	0.0	9.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	-3.0	-4.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	-3.0	-3.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	-3.0	-2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	-3.0	-6.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	-24.0	-13.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	-24.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-2.5	1.0	1.8	0.0	1.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R7 FI GF Leq,d 43.6 dB(A) Leq,e 42.3 dB(A) Leq,n 41.8 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5	4.3	24.8
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6	4.3	28.9
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0	3.0	17.5
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	23.4	0.0	23.4
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	22.8	0.0	22.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	0.0	25.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	0.0	24.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	0.0	18.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	0.0	3.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	0.0	18.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	0.0	38.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0	-3.0	11.4
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	23.4	0.0	23.4
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	22.8	0.0	22.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	-2.0	23.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	-2.0	22.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	-2.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	-2.0	1.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	-6.0	12.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	-6.0	32.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	23.4	0.0	23.4
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	22.8	0.0	22.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	-3.0	22.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	-3.0	21.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	-3.0	15.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	-3.0	0.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	-24.0	-6.0

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	-24.0	14.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
Receiver R8 FI GF Leq,d 36.3 dB(A) Leq,e 35.1 dB(A) Leq,n 34.8 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1	4.3	17.4
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9	4.3	21.1
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5	3.0	11.0
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	16.5	0.0	16.5
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	0.0	20.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	0.0	23.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	0.0	7.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	0.0	1.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	0.0	13.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	0.0	29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4	
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5			0	665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5			0	669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3	



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5	-3.0	5.0
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	16.5	0.0	16.5
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	-2.0	18.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	-2.0	21.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	-2.0	4.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	-2.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	-6.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	-6.0	23.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	171.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	16.5	0.0	16.5
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	16.3	0.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	-3.0	17.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	-3.0	20.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	-3.0	4.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	-3.0	-1.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	-24.0	-10.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	-24.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8	
ID21 - 132 kV switching compound	Point	Leq,n		75.0	75.0			0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4	
Receiver R8 F1 F1 Leq,d 37.8 dB(A) Leq,e 36.4 dB(A) Leq,n 35.9 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0	4.3	19.3	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2	4.3	23.4	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6	3.0	13.0	
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	17.1	0.0	17.1	
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	16.9	0.0	16.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	0.0	21.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	0.0	24.0	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	0.0	7.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	0.0	1.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	0.0	13.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	0.0	32.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	-2.7	0.4	-6.0	0.0	-6.0	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6	-3.0	7.0
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	17.1	0.0	17.1
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	16.9	0.0	16.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	-2.0	19.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	-2.0	22.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	-2.0	5.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	-2.0	-0.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	-6.0	7.5
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	-6.0	26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	-2.7	0.4	-6.0	0.0	-6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	17.1	0.0	17.1
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	16.9	0.0	16.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	-3.0	18.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	-3.0	21.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	-3.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	-3.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	-24.0	-10.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	-24.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	-2.7	0.4	-6.0	0.0	-6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R9 FI GF Leq,d 30.4 dB(A) Leq,e 29.0 dB(A) Leq,n 28.8 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9	4.3	21.2
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4	4.3	19.7
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7	3.0	5.2
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-11.5	0.0	-11.5
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	-8.4	0.0	-8.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	0.0	-2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	0.0	0.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	0.0	1.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	0.0	11.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	0.0	19.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7	-3.0	-0.8
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-11.5	0.0	-11.5
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	-8.4	0.0	-8.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	-2.0	-4.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	-2.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	-2.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	-6.0	14.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	-6.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-11.5	0.0	-11.5
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	-8.4	0.0	-8.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	-3.0	-5.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	-3.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	-3.0	-1.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	-3.0	8.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	-24.0	-4.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	-24.0	-14.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
Receiver R9 F1 F1 Leq,d 32.5 dB(A) Leq,e 30.6 dB(A) Leq,n 30.3 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4	4.3	23.6
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3	4.3	21.5
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7	3.0	8.2
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-11.0	0.0	-11.0
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-10.9	0.0	-10.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	0.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	0.0	1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	0.0	2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	0.0	14.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	0.0	24.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	0.0	9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7	-3.0	2.2
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-11.0	0.0	-11.0
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-10.9	0.0	-10.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	-2.0	-4.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	-2.0	-0.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	-2.0	0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	-2.0	12.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	-6.0	18.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	-6.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,e				89.5		0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,e				89.5		0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-11.0	0.0	-11.0
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-10.9	0.0	-10.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	-3.0	-5.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	-3.0	-1.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	-3.0	-0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	-3.0	11.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	-24.0	0.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	-24.0	-14.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8	
Receiver R10 FI GF Leq,d 33.0 dB(A) Leq,e 31.0 dB(A) Leq,n 30.4 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d				66.1	92.3	422.8	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3	4.3	22.6
A - HGVs (leaving site)	Line	Leq,d				66.1	91.6	353.8	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6	4.3	17.8
B - Loader (external movements)	Line	Leq,d				57.2	83.9	476.8	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9	3.0	10.4
C - Exhaust Steam Pipe	Line	Leq,d				65.8	82.2	43.6	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-12.4	0.0	-12.4
C - Exhaust Steam Pipe	Line	Leq,d				63.0	82.2	83.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	-0.3	0.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	0.0	-3.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	0.0	-0.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	0.0	1.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	0.0	13.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	0.0	28.0	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	0.0	8.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0	

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9	
ID09 - Chimney outlets	Point	Leq,d				89.5	89.5	0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3	
ID09 - Chimney outlets	Point	Leq,d				89.5	89.5	0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5	
ID14 - Main transformer	Point	Leq,d				72.4	72.4	0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7	
ID16 - Air cooled condenser	Area	Leq,d				68.6	99.9	1359.7	0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8	

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9	-3.0	4.4
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-12.4	0.0	-12.4
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	-0.3	0.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	-2.0	-5.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	-2.0	-2.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	-2.0	-0.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	-2.0	11.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	-6.0	22.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	-6.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,e				89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,n				66.1	92.3	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3		
A - HGVs (leaving site)	Line	Leq,n				66.1	91.6	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6		
B - Loader (external movements)	Line	Leq,n				57.2	83.9	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9		
C - Exhaust Steam Pipe	Line	Leq,n				65.8	82.2	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-12.4	0.0	-12.4
C - Exhaust Steam Pipe	Line	Leq,n				63.0	82.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	-0.3	0.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	-3.0	-6.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	-3.0	-3.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	-3.0	-1.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	-3.0	10.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	-24.0	4.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	-24.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9
ID09 - Chimney outlets	Point	Leq,n		89.5	89.5			0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3
ID09 - Chimney outlets	Point	Leq,n		89.5	89.5			0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,n		72.4	72.4			0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7
ID16 - Air cooled condenser	Area	Leq,n		68.6	99.9	1359.7		0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,n		75.0	75.0			0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,n		72.4	72.4			0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
Receiver R10 F1 F1 Leq,d 34.3 dB(A) Leq,e 32.3 dB(A) Leq,n 31.7 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4	4.3	24.7	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2	4.3	20.4	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5	3.0	11.9	
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	732.38	-68.3	1.7	-24.3	-3.3	0.0	-12.0	0.0	-12.0	
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	0.4	0.0	0.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	0.0	-2.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	0.0	0.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	0.0	1.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	0.0	14.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	0.0	28.8	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	0.0	8.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6	

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5	-3.0	5.9
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	732.38	-68.3	1.7	-24.3	-3.3	0.0	-12.0	0.0	-12.0
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	0.4	0.0	0.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	-2.0	-5.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	-2.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	-2.0	-0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	-2.0	12.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	-6.0	22.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	-6.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	732.38	-68.3	1.7	-24.3	-3.3	0.0	-12.0	0.0	-12.0
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	0.4	0.0	0.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	-3.0	-5.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	-3.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	-3.0	-1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	-3.0	11.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	-24.0	4.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	-24.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9



medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID10 - Switchgear building	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9



**Table 8 Mean source propagation  $L_{Aeq}$  calculations: EfW CHP Facility (turbine bypass mode operation), Weekdays**

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R1 FI GF Leq,d 38.7 dB(A) Leq,e 35.5 dB(A) Leq,n 35.0 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1	10.8	32.9
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9	10.8	30.7
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2	3.0	12.6
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	10.5	0.0	10.5
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	12.4	0.0	12.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	0.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	0.0	8.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	0.0	20.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	0.0	29.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	0.0	15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1	-3.0	19.1
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9	-3.0	16.9
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2	-3.0	6.6
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	10.5	0.0	10.5
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	12.4	0.0	12.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	-2.0	2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	-2.0	6.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	-2.0	6.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	-2.0	18.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	-6.0	23.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	-6.0	9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	10.5	0.0	10.5
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	12.4	0.0	12.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	-3.0	1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	-3.0	5.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	-3.0	5.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	-3.0	17.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	-24.0	5.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	-24.0	-8.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2
Receiver R1 F1 F1 Leq,d 41.0 dB(A) Leq,e 37.6 dB(A) Leq,n 37.0 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6	10.8	35.4
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8	10.8	32.6
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0	3.0	15.5
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	12.8	0.0	12.8
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	0.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	0.0	7.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	0.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	0.0	22.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	0.0	33.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	0.0	15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6	-3.0	21.6
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8	-3.0	18.8
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0	-3.0	9.5
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	12.8	0.0	12.8
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	-2.0	2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	-2.0	5.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	-2.0	6.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	-2.0	20.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	-6.0	27.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	-6.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,e				89.5		0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,e				89.5		0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	12.8	0.0	12.8
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	-3.0	1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	-3.0	4.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	-3.0	5.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	-3.0	19.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	-24.0	9.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	-24.0	-8.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3	
Receiver R2 FI GF Leq,d 54.4 dB(A) Leq,e 47.1 dB(A) Leq,n 46.1 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d				66.1	92.3	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6	10.8	51.4	
A - HGVs (leaving site)	Line	Leq,d				66.1	91.6	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0	10.8	49.8	
B - Loader (external movements)	Line	Leq,d				57.2	83.9	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	23.0	3.0	25.5	
D - Exhaust Steam Pipe	Line	Leq,d				75.6	92.0	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	27.3	0.0	27.3	
D - Exhaust Steam Pipe	Line	Leq,d				72.8	92.0	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	29.6	0.0	29.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	0.0	9.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	0.0	8.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	0.0	10.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	0.0	11.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	0.0	21.1	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	0.0	20.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6	

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	4.5	-0.5	4.4	11.0	0.0	11.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6	-3.0	37.6
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0	-3.0	36.0
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	20.0	-3.0	19.5
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	27.3	0.0	27.3
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	29.6	0.0	29.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	-2.0	7.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	-2.0	6.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	-2.0	8.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	-6.0	15.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	-6.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	-4.5	-0.5	4.4	11.0	0.0	11.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3	
ID24 - Water recooling system (full load)	Area	Leq,e				67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8
A - HGVs (accessing site)	Line	Leq,n				66.1	92.3	422.8	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6		
A - HGVs (leaving site)	Line	Leq,n				66.1	91.6	353.8	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0		
B - Loader (external movements)	Line	Leq,n				57.2	83.9	476.8	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	23.0		
D - Exhaust Steam Pipe	Line	Leq,n				75.6	92.0	43.6	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	27.3	0.0	27.3
D - Exhaust Steam Pipe	Line	Leq,n				72.8	92.0	83.2	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	29.6	0.0	29.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	-3.0	6.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	-3.0	5.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	-3.0	7.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	-3.0	8.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	-24.0	-2.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	-24.0	-3.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	-4.5	-0.5	4.4	11.0	0.0	11.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
Receiver R2 F1 F1 Leq,d 54.4 dB(A) Leq,e 48.0 dB(A) Leq,n 47.2 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5	10.8	51.2	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7	10.8	49.5	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6	3.0	26.0	
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	28.6	0.0	28.6	
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	31.4	0.0	31.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	0.0	9.5	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	0.0	9.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	0.0	10.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	0.0	12.1	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	0.0	21.6	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	0.0	20.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5	-3.0	37.4
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7	-3.0	35.7
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6	-3.0	20.0
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	28.6	0.0	28.6
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	31.4	0.0	31.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	-2.0	7.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	-2.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	-2.0	8.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	-2.0	10.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	-6.0	15.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	-6.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	28.6	0.0	28.6
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	31.4	0.0	31.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	-3.0	6.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	-3.0	6.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	-3.0	7.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	-3.0	9.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	-24.0	-2.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	-24.0	-3.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3
Receiver R3 FI GF Leq,d 57.4 dB(A) Leq,e 48.0 dB(A) Leq,n 46.3 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3	10.8	54.1
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2	10.8	54.0
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2	3.0	25.7
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	25.1	0.0	25.1
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	26.9	0.0	26.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	0.0	12.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	0.0	11.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	0.0	5.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	0.0	20.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	0.0	21.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	L1 dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3	-3.0	40.3
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2	-3.0	40.2
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2	-3.0	19.6
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	25.1	0.0	25.1
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	26.9	0.0	26.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	-2.0	10.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	-2.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	-2.0	3.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	-6.0	14.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	-6.0	15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	25.1	0.0	25.1
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	26.9	0.0	26.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	-3.0	9.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	-3.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	-3.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	-3.0	2.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	-24.0	-3.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	-24.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
Receiver R4 FI GF Leq,d 43.5 dB(A) Leq,e 39.9 dB(A) Leq,n 39.6 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2	10.8	38.0
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5	10.8	38.2
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4	3.0	12.0
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	24.1	0.0	24.1
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	25.6	0.0	25.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	0.0	18.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	0.0	5.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	0.0	5.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	0.0	0.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	0.0	14.5
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	0.0	26.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-3.1	2.6	8.8	0.0	8.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2	-3.0	24.2
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5	-3.0	24.4
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4	-3.0	5.9
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	24.1	0.0	24.1
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	25.6	0.0	25.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	-2.0	16.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	-2.0	3.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	-2.0	3.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	-2.0	-2.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	-6.0	8.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	-6.0	20.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-1.1	2.6	8.8	0.0	8.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	24.1	0.0	24.1
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	25.6	0.0	25.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	-3.0	15.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	-3.0	2.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	-3.0	2.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	-3.0	-3.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	-24.0	-9.5
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	-24.0	2.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-3.1	2.6	8.8	0.0	8.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R4 F1F1 Leq,d 44.8 dB(A) Leq,e 41.2 dB(A) Leq,n 40.9 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0	10.8	38.8
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0	10.8	39.8
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3	3.0	14.8
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	25.2	0.0	25.2
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	26.7	0.0	26.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	0.0	19.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	0.0	5.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	0.0	5.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	0.0	0.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	0.0	14.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	0.0	29.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0	-3.0	25.0
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0	-3.0	26.0
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3	-3.0	8.8
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	25.2	0.0	25.2
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	26.7	0.0	26.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	-2.0	17.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	-2.0	3.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	-2.0	3.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	-2.0	-1.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	-6.0	8.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	-6.0	23.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	25.2	0.0	25.2
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	26.7	0.0	26.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	-3.0	16.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	-3.0	2.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	-3.0	2.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	-3.0	-2.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	-24.0	-9.2



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	-24.0	5.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6	
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7	
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2	
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7	
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3	
Receiver R5	FI GF	Leq,d 39.6 dB(A)	Leq,e 38.1 dB(A)	Leq,n 37.9 dB(A)														
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0	10.8	29.8	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1	10.8	30.9	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5	3.0	10.8	
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	25.0	0.0	25.0	
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	26.1	0.0	26.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	0.0	16.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	0.0	2.0	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	2.3	0.0	2.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	0.0	-3.3	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	0.0	11.3	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	0.0	28.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3	

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0	-3.0	16.0
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1	-3.0	17.0
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5	-3.0	4.8
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	25.0	0.0	25.0
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	-2.0	14.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	-2.0	0.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	2.3	-2.0	0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	-2.0	-5.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	-6.0	5.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	-6.0	22.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	25.0	0.0	25.0
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	-3.0	13.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	-3.0	-1.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	3.5	-3.0	-0.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	-3.0	-6.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	-24.0	-12.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	-24.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6	
Receiver R6 FI GF Leq,d 39.6 dB(A) Leq,e 35.3 dB(A) Leq,n 35.0 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d				66.1	92.3	0	525.79	-65.4	2.8	-2.9	-3.0	0.6	24.4	10.8	35.2	
A - HGVs (leaving site)	Line	Leq,d				66.1	91.6	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3	10.8	34.1	
B - Loader (external movements)	Line	Leq,d				57.2	83.9	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8	3.0	16.3	
D - Exhaust Steam Pipe	Line	Leq,d				75.6	92.0	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	17.3	0.0	17.3	
D - Exhaust Steam Pipe	Line	Leq,d				72.8	92.0	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	18.9	0.0	18.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	0.0	-1.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	0.0	-0.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	0.0	0.5	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	0.0	-3.8	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	0.0	10.2	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	0.0	10.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-4.2	1.0	1.8	0.0	1.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0	



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	525.79	-65.4	2.8	-2.9	-3.0	0.6	24.4	-3.0	21.4
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3	-3.0	20.3
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8	-3.0	10.3
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	17.3	0.0	17.3
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	18.9	0.0	18.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	-2.0	-3.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	-2.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	-2.0	-1.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	-2.0	-5.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	-6.0	4.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	-6.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-4.2	1.0	1.8	0.0	1.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,e				89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3
A - HGVs (accessing site)	Line	Leq,n				66.1	92.3	0	525.79	-65.4	2.8	-2.9	-3.0	0.6	24.4		
A - HGVs (leaving site)	Line	Leq,n				66.1	91.6	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3		
B - Loader (external movements)	Line	Leq,n				57.2	83.9	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8		
D - Exhaust Steam Pipe	Line	Leq,n				75.6	92.0	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	17.3	0.0	17.3
D - Exhaust Steam Pipe	Line	Leq,n				72.8	92.0	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	18.9	0.0	18.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	-3.0	-4.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	-3.0	-3.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	-3.0	-2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	-3.0	-6.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	-24.0	-13.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	-24.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-2.5	1.0	1.8	0.0	1.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.5	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3

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Source	Source type	Time slice	L1 dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R7 FI GF Leq,d 44.8 dB(A) Leq,e 43.1 dB(A) Leq,n 42.7 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5	10.8	31.3
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6	10.8	35.4
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0	3.0	17.5
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	33.2	0.0	33.2
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	32.6	0.0	32.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	0.0	25.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	0.0	24.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	0.0	18.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	0.0	3.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	0.0	18.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	0.0	38.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5	-3.0	17.5
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6	-3.0	21.6
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0	-3.0	11.4
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	33.2	0.0	33.2
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	32.6	0.0	32.6

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	-2.0	23.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	-2.0	22.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	-2.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	-2.0	1.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	-6.0	12.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	-6.0	32.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	33.2	0.0	33.2
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	32.6	0.0	32.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	-3.0	22.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	-3.0	21.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	-3.0	15.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	-3.0	0.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	-24.0	-6.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	-24.0	14.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
Receiver R8 FI GF Leq,d 37.5 dB(A) Leq,e 36.1 dB(A) Leq,n 35.7 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1	10.8	23.9
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9	10.8	27.7
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5	3.0	11.0
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	26.3	0.0	26.3
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	0.0	20.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	0.0	23.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	0.0	7.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	0.0	1.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	0.0	13.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	0.0	29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6	
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4	
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5			0	665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5			0	669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1	-3.0	10.1
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9	-3.0	13.9
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5	-3.0	5.0
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	26.3	0.0	26.3
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	-2.0	18.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	-2.0	21.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	-2.0	4.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	-2.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	-6.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	-6.0	23.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	171.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	26.3	0.0	26.3
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	-3.0	17.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	-3.0	20.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	-3.0	4.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	-3.0	-1.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	-24.0	-10.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	-24.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4	
Receiver R8 F1 F1 Leq,d 39.0 dB(A) Leq,e 37.2 dB(A) Leq,n 36.8 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0	10.8	25.8	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2	10.8	30.0	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6	3.0	13.0	
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	26.9	0.0	26.9	
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	26.7	0.0	26.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	0.0	21.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	0.0	24.0	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	0.0	7.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	0.0	1.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	0.0	13.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	0.0	32.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	-2.7	0.4	-6.0	0.0	-6.0	

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0	-3.0	12.0
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2	-3.0	16.2
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6	-3.0	7.0
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	26.9	0.0	26.9
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	26.7	0.0	26.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	-2.0	19.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	-2.0	22.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	-2.0	5.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	-2.0	-0.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	-6.0	7.5
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	-6.0	26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	-2.7	0.4	-6.0	0.0	-6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	26.9	0.0	26.9
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	26.7	0.0	26.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	-3.0	18.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	-3.0	21.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	-3.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	-3.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	-24.0	-10.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	-24.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	0.4	-6.0	0.0	-6.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R9 FI GF Leq,d 32.8 dB(A) Leq,e 29.2 dB(A) Leq,n 28.8 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9	10.8	27.7
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4	10.8	26.2
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7	3.0	5.2
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-1.7	0.0	-1.7
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	1.4	0.0	1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	0.0	-2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	0.0	0.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	0.0	1.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	0.0	11.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	0.0	19.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9	-3.0	13.9
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4	-3.0	12.4
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7	-3.0	-0.8
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-1.7	0.0	-1.7
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	1.4	0.0	1.4



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	-2.0	-4.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	-2.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	-2.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	-6.0	14.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	-6.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-1.7	0.0	-1.7
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	1.4	0.0	1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	-3.0	-5.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	-3.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	-3.0	-1.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	-3.0	8.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	-24.0	-4.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	-24.0	-14.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
Receiver R9 F1 F 1 Leq,d 34.9 dB(A) Leq,e 30.9 dB(A) Leq,n 30.3 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4	10.8	30.2
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3	10.8	28.1
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7	3.0	8.2
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-1.2	0.0	-1.2
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-1.1	0.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	0.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	0.0	1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	0.0	2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	0.0	14.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	0.0	24.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	0.0	9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	L1 dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4	-3.0	16.4
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3	-3.0	14.3
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7	-3.0	2.2
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-1.2	0.0	-1.2
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-1.1	0.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	-2.0	-4.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	-2.0	-0.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	-2.0	0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	-2.0	12.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	-6.0	18.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	-6.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-1.2	0.0	-1.2
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-1.1	0.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	-3.0	-5.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	-3.0	-1.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	-3.0	-0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	-3.0	11.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	-24.0	0.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	-24.0	-14.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m²	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8	
Receiver R10 FI GF Leq,d 34.6 dB(A) Leq,e 31.2 dB(A) Leq,n 30.4 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d				66.1	92.3	422.8	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3	10.8	29.1
A - HGVs (leaving site)	Line	Leq,d				66.1	91.6	353.8	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6	10.8	24.4
B - Loader (external movements)	Line	Leq,d				57.2	83.9	476.8	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9	3.0	10.4
D - Exhaust Steam Pipe	Line	Leq,d				75.6	92.0	43.6	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-2.6	0.0	-2.6
D - Exhaust Steam Pipe	Line	Leq,d				72.8	92.0	83.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	9.5	0.0	9.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	0.0	-3.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	0.0	-0.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	0.0	1.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	0.0	13.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	0.0	28.0	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	0.0	8.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3	-3.0	15.3
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6	-3.0	10.6
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9	-3.0	4.4
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-2.6	0.0	-2.6
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	9.5	0.0	9.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	-2.0	-5.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	-2.0	-2.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	-2.0	-0.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	-2.0	11.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	-6.0	22.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	-6.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1	
ID24 - Water recooling system (full load)	Area	Leq,e				67.6	89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,n				66.1	92.3	422.8	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3		
A - HGVs (leaving site)	Line	Leq,n				66.1	91.6	353.8	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6		
B - Loader (external movements)	Line	Leq,n				57.2	83.9	476.8	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9		
D - Exhaust Steam Pipe	Line	Leq,n				75.6	92.0	43.6	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-2.6	0.0	-2.6
D - Exhaust Steam Pipe	Line	Leq,n				72.8	92.0	83.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	9.5	0.0	9.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	-3.0	-6.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	-3.0	-3.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	-3.0	-1.8	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	-3.0	10.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	-24.0	4.0	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	-24.0	-15.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9	

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R10 F1 F1 Leq,d 36.1 dB(A) Leq,e 32.5 dB(A) Leq,n 31.7 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4	10.8	31.2
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2	10.8	27.0
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5	3.0	11.9
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	732.37	-68.3	1.7	-24.3	-3.3	0.0	-2.2	0.0	-2.2
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	10.2	0.0	10.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	0.0	-2.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	0.0	0.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	0.0	1.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	0.0	14.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	0.0	28.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	0.0	8.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4	-3.0	17.4
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2	-3.0	13.2
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5	-3.0	5.9
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	732.37	-68.3	1.7	-24.3	-3.3	0.0	-2.2	0.0	-2.2
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	10.2	0.0	10.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	-2.0	-5.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	-2.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	-2.0	-0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	-2.0	12.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	-6.0	22.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	-6.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	732.37	-68.3	1.7	-24.3	-3.3	0.0	-2.2	0.0	-2.2
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	10.2	0.0	10.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	-3.0	-5.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	-3.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	-3.0	-1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	-3.0	11.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	-24.0	4.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	-24.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID10 - Switchgear building	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9



**Table 9 Mean source propagation  $L_{Aeq}$  calculations: EfW CHP Facility (turbine bypass mode operation), Weekends**

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R1 FI GF Leq,d 36.9 dB(A) Leq,e 35.4 dB(A) Leq,n 35.0 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1	4.3	26.3
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9	4.3	24.1
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2	3.0	12.6
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	10.5	0.0	10.5
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	12.4	0.0	12.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	0.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	0.0	8.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	0.0	20.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	0.0	29.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	0.0	15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2	-3.0	6.6
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	10.5	0.0	10.5
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	12.4	0.0	12.4



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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	-2.0	2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	-2.0	6.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	-2.0	6.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	-2.0	18.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	-6.0	23.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	-6.0	9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	373.27	-62.4	2.0	-9.8	-1.8	1.7	22.1		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	423.12	-63.5	2.8	-9.4	-1.9	0.3	19.9		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	427.95	-63.6	2.3	-16.8	-0.8	5.2	10.2		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	475.99	-64.5	1.4	-18.5	-2.1	2.3	10.5	0.0	10.5
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	476.01	-64.5	1.3	-15.8	-2.1	1.4	12.4	0.0	12.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	474.68	-64.5	2.3	-24.8	-3.9	2.3	4.1	-3.0	1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	471.31	-64.5	2.2	-24.7	-3.8	4.0	8.2	-3.0	5.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	456.47	-64.2	1.4	-20.7	-3.1	8.1	17.2	0.0	17.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	441.54	-63.9	2.0	-24.8	-3.7	4.2	8.8	-3.0	5.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	437.83	-63.8	2.1	-10.6	-3.3	6.5	20.7	-3.0	17.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.9	-17.9	-3.2	7.4	29.7	-24.0	5.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	484.48	-64.7	3.3	-24.9	-4.8	2.3	15.7	-24.0	-8.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	417.76	-63.4	0.1	-16.8	-1.0	6.3	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	423.07	-63.5	1.3	-13.9	-2.4	5.5	6.9	0.0	6.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	419.18	-63.4	0.3	-7.2	-1.0	3.3	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	398.82	-63.0	0.2	-7.7	-1.0	2.7	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	463.18	-64.3	0.2	-24.2	-1.2	1.8	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	466.50	-64.4	0.4	-24.1	-1.3	1.7	-33.0	0.0	-33.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	441.51	-63.9	1.3	-15.2	-2.4	4.9	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	408.94	-63.2	0.2	-6.9	-1.0	3.0	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	433.89	-63.7	1.2	-11.8	-2.4	6.3	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	447.07	-64.0	0.4	-24.0	-1.2	1.7	-36.4	0.0	-36.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	464.25	-64.3	0.2	-24.0	-1.2	1.7	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	436.60	-63.8	0.0	-24.1	-1.2	2.4	-29.8	0.0	-29.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	463.42	-64.3	0.5	-23.9	-1.2	1.7	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	457.04	-64.2	1.3	-24.7	-3.1	2.1	-13.2	0.0	-13.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	450.93	-64.1	0.2	-23.9	-1.2	2.8	-32.7	0.0	-32.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	467.80	-64.4	1.3	-24.6	-3.2	2.0	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	420.03	-63.5	1.2	-4.9	-2.9	4.2	9.9	0.0	9.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	437.46	-63.8	1.2	-24.3	-2.8	3.1	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	409.80	-63.2	1.2	-4.8	-2.8	3.9	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	463.99	-64.3	1.3	-24.6	-3.1	2.0	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	451.75	-64.1	1.3	-24.5	-3.0	2.0	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	399.70	-63.0	1.2	-4.8	-2.8	3.5	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	418.09	-63.4	1.3	-11.3	-2.8	4.9	12.7	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	447.88	-64.0	1.3	-24.6	-3.0	2.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	465.05	-64.3	1.3	-24.6	-3.2	2.0	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	464.20	-64.3	1.3	-24.4	-3.1	2.0	-11.5	0.0	-11.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	387.73	-62.8	0.9	-6.6	-2.1	4.7	26.8	0.0	26.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	423.50	-63.5	0.8	-24.5	-2.2	3.0	9.9	0.0	9.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	428.31	-63.6	0.9	-24.0	-2.2	2.0	8.8	0.0	8.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	391.74	-62.9	1.0	-6.9	-2.1	3.9	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	409.30	-63.2	0.8	-6.7	-1.9	2.2	24.2	0.0	24.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	368.78	-62.3	1.2	-9.0	-1.8	4.4	12.7	0.0	12.7
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	381.58	-62.6	0.8	-18.8	-1.4	13.3	13.0	0.0	13.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	379.39	-62.6	1.2	-23.2	-2.0	5.4	9.3	0.0	9.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	394.28	-62.9	1.3	-24.1	-2.1	5.9	1.0	0.0	1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	383.10	-62.7	1.2	-24.2	-2.0	18.0	20.8	0.0	20.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	365.86	-62.3	1.1	-9.8	-1.7	2.3	20.7	0.0	20.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	373.02	-62.4	0.8	-11.9	-1.4	6.0	18.5	0.0	18.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	385.98	-62.7	1.1	-23.4	-1.9	1.8	4.2	0.0	4.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	379.24	-62.6	1.1	-24.1	-2.0	5.8	9.3	0.0	9.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	359.52	-62.1	1.1	-8.1	-1.7	4.4	22.8	0.0	22.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	370.94	-62.4	0.9	-16.6	-1.3	4.8	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	368.19	-62.3	1.8	-11.3	-1.5	1.3	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	374.84	-62.5	1.9	-22.6	-1.7	1.6	1.4	0.0	1.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	373.32	-62.4	1.7	-24.0	-1.9	4.6	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	366.71	-62.3	1.8	-14.0	-1.5	2.2	7.9	0.0	7.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	351.38	-61.9	0.8	-15.9	-1.2	2.8	6.3	0.0	6.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	348.55	-61.8	1.6	-12.5	-1.4	1.9	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	355.48	-62.0	1.6	-22.8	-1.7	1.9	1.8	0.0	1.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	354.18	-62.0	1.6	-23.5	-1.7	11.7	10.9	0.0	10.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	347.26	-61.8	1.6	-12.1	-1.4	1.3	9.3	0.0	9.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	374.06	-62.5	0.1	-3.7	-1.5	0.0	22.0	0.0	22.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	370.07	-62.4	0.1	-3.8	-1.5	0.0	22.0	0.0	22.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	446.85	-64.0	1.0	-23.3	-0.8	3.3	-8.4	0.0	-8.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	427.55	-63.6	1.1	-22.6	-0.7	1.0	-5.6	0.0	-5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	435.01	-63.8	1.1	-22.2	-0.6	4.0	0.8	0.0	0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.52	-63.7	0.3	-22.1	-0.6	8.3	-0.8	0.0	-0.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	416.69	-63.4	1.1	-19.6	-0.4	2.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	366.24	-62.3	1.3	-17.8	-0.3	5.0	9.5	0.0	9.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	367.30	-62.3	1.2	-18.3	-0.3	5.2	7.0	0.0	7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	359.03	-62.1	1.3	-9.1	-0.4	4.0	15.2	0.0	15.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	363.21	-62.2	0.6	-9.4	-0.4	4.4	13.6	0.0	13.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	360.05	-62.1	1.2	-9.8	-0.3	2.3	12.0	0.0	12.0
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	420.48	-63.5	0.4	-6.7	-1.0	2.7	4.3	0.0	4.3
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	483.46	-64.7	-0.3	-18.6	-1.0	2.4	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	454.90	-64.2	1.5	-15.7	-3.0	5.0	17.9	0.0	17.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	441.10	-63.9	0.4	-15.8	-1.0	0.1	-13.8	0.0	-13.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	440.76	-63.9	0.5	-10.3	-1.1	1.6	-8.2	0.0	-8.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	468.08	-64.4	0.5	-23.0	-1.3	0.1	-21.7	0.0	-21.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	468.83	-64.4	0.5	-23.7	-1.3	0.9	-23.0	0.0	-23.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	446.74	-64.0	1.8	-23.2	-2.1	1.7	1.9	0.0	1.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	445.47	-64.0	1.8	-24.1	-2.2	3.2	1.0	0.0	1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	428.21	-63.6	1.7	-10.6	-1.9	1.3	14.7	0.0	14.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	437.78	-63.8	0.9	-14.6	-1.6	3.6	10.5	0.0	10.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	430.21	-63.7	1.7	-8.0	-1.9	0.9	15.2	0.0	15.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	2.6	-12.2	-1.4	0.7	-1.6	0.0	-1.6
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	373.80	-62.4	0.8	-5.1	-1.3	0.4	7.4	0.0	7.4
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	425.14	-63.6	0.6	-16.3	-0.7	8.4	0.7	0.0	0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	421.14	-63.5	0.7	-10.6	-0.3	3.0	-4.2	0.0	-4.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	419.36	-63.4	1.7	-6.4	-0.4	1.9	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	423.85	-63.5	1.7	-16.3	-0.3	0.0	-7.3	0.0	-7.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	418.05	-63.4	1.6	-6.8	-0.4	0.3	-0.7	0.0	-0.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	422.52	-63.5	1.7	-18.4	-0.4	1.4	-7.4	0.0	-7.4
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	439.38	-63.8	1.4	-5.9	-2.9	2.3	20.2	0.0	20.2
Receiver R1 F1 F 1 Leq,d 39.2 dB(A) Leq,e 37.5 dB(A) Leq,n 37.0 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6	4.3	28.8
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8	4.3	26.1
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0	3.0	15.5
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	12.8	0.0	12.8
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	0.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	0.0	7.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	0.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	0.0	22.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	0.0	33.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	0.0	15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0	-3.0	9.5
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	12.8	0.0	12.8
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	-2.0	2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	-2.0	5.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	-2.0	6.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	-2.0	20.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	-6.0	27.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	-6.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	373.28	-62.4	2.5	-8.3	-1.5	2.0	24.6		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	423.13	-63.5	3.4	-8.3	-1.6	0.3	21.8		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	427.96	-63.6	2.8	-15.1	-0.9	5.9	13.0		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	475.87	-64.5	1.7	-15.6	-2.0	1.3	12.8	0.0	12.8
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	475.88	-64.5	1.7	-12.5	-2.0	0.7	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	474.65	-64.5	2.3	-24.8	-3.7	2.1	4.1	-3.0	1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	471.27	-64.5	2.2	-24.7	-3.6	3.1	7.6	-3.0	4.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	456.39	-64.2	1.6	-15.9	-3.1	6.8	20.9	0.0	20.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	441.50	-63.9	2.0	-24.9	-3.5	3.6	8.3	-3.0	5.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	437.75	-63.8	2.1	-7.1	-3.4	4.8	22.4	-3.0	19.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	448.47	-64.0	2.8	-13.2	-3.1	6.2	33.2	-24.0	9.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	484.47	-64.7	3.2	-24.9	-4.6	2.1	15.7	-24.0	-8.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	417.70	-63.4	1.5	-16.5	-1.0	6.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	422.86	-63.5	1.6	-10.0	-2.7	3.5	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	419.12	-63.4	1.7	-5.8	-1.0	2.9	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	398.76	-63.0	1.7	-7.3	-1.0	2.2	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	463.13	-64.3	1.6	-24.5	-1.1	1.0	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	466.45	-64.4	1.9	-24.4	-1.1	0.0	-33.4	0.0	-33.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	441.33	-63.9	1.6	-10.0	-2.7	1.9	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	408.88	-63.2	1.7	-6.0	-1.0	2.6	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	433.69	-63.7	1.6	-5.6	-2.8	2.1	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	447.02	-64.0	1.9	-24.3	-1.1	0.0	-36.8	0.0	-36.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	464.20	-64.3	1.6	-24.4	-1.1	0.0	-37.5	0.0	-37.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	436.54	-63.8	1.5	-24.6	-1.1	1.9	-29.3	0.0	-29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	463.37	-64.3	1.9	-24.0	-1.1	0.0	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	456.85	-64.2	1.7	-24.7	-2.9	0.0	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	450.88	-64.1	1.6	-24.3	-1.1	1.0	-33.3	0.0	-33.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	467.65	-64.4	1.7	-24.7	-3.0	0.0	-10.7	0.0	-10.7



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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	419.86	-63.5	1.5	-4.7	-2.8	4.9	11.3	0.0	11.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	437.30	-63.8	1.6	-24.0	-2.6	1.9	-5.0	0.0	-5.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	409.64	-63.2	1.5	-4.7	-2.7	4.2	12.5	0.0	12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	463.84	-64.3	1.7	-24.7	-2.9	1.5	-7.5	0.0	-7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	451.59	-64.1	1.7	-24.5	-2.9	0.0	-11.1	0.0	-11.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	399.53	-63.0	1.5	-4.6	-2.7	3.9	11.0	0.0	11.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	417.92	-63.4	1.6	-11.1	-2.7	6.4	14.8	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	447.73	-64.0	1.7	-24.7	-2.9	0.0	-14.0	0.0	-14.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	464.90	-64.3	1.7	-24.7	-3.0	0.0	-14.5	0.0	-14.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	464.05	-64.3	1.7	-24.4	-2.9	0.0	-12.9	0.0	-12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	387.58	-62.8	1.6	-4.4	-2.1	4.1	29.1	0.0	29.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	423.36	-63.5	1.6	-24.6	-2.0	2.3	10.0	0.0	9.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	428.18	-63.6	1.7	-23.0	-1.8	0.1	9.0	0.0	9.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	391.59	-62.8	1.7	-5.1	-2.1	3.8	31.8	0.0	31.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	409.00	-63.2	1.6	-6.6	-1.8	0.4	23.5	0.0	23.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	368.72	-62.3	1.8	-7.1	-1.8	3.6	14.3	0.0	14.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	381.45	-62.6	1.6	-14.9	-1.5	11.2	15.5	0.0	15.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	379.33	-62.6	1.8	-22.5	-1.8	4.7	10.0	0.0	10.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	394.22	-62.9	1.9	-24.1	-1.8	5.5	1.5	0.0	1.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	383.04	-62.7	1.8	-24.2	-1.8	18.8	22.5	0.0	22.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	365.79	-62.3	1.8	-8.1	-1.8	1.9	22.6	0.0	22.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	372.84	-62.4	1.6	-7.0	-1.6	3.0	21.0	0.0	21.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	385.91	-62.7	1.8	-23.3	-1.7	1.4	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	379.17	-62.6	1.8	-24.0	-1.7	5.4	9.8	0.0	9.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	359.45	-62.1	1.8	-6.2	-1.7	3.6	24.7	0.0	24.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	370.89	-62.4	1.6	-12.3	-1.3	4.4	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	368.17	-62.3	2.3	-8.4	-1.5	0.8	15.6	0.0	15.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	374.82	-62.5	2.4	-22.0	-1.5	1.4	2.5	0.0	2.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	373.30	-62.4	2.2	-23.7	-1.7	5.3	4.5	0.0	4.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	366.69	-62.3	2.2	-10.3	-1.5	1.7	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	351.32	-61.9	1.5	-11.6	-1.2	2.2	10.7	0.0	10.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	348.52	-61.8	2.1	-8.6	-1.4	1.0	16.2	0.0	16.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	355.45	-62.0	2.1	-22.2	-1.4	1.6	2.9	0.0	2.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	354.16	-62.0	2.0	-22.9	-1.5	13.9	14.3	0.0	14.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	347.24	-61.8	2.1	-8.2	-1.5	0.7	13.1	0.0	13.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	373.46	-62.4	1.5	-4.1	-1.4	0.0	23.1	0.0	23.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	369.47	-62.3	1.5	-4.3	-1.4	0.0	23.1	0.0	23.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	446.81	-64.0	1.6	-23.6	-0.8	2.8	-8.6	0.0	-8.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	427.51	-63.6	1.7	-22.9	-0.7	0.6	-5.7	0.0	-5.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	434.97	-63.8	1.8	-22.5	-0.6	4.0	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.44	-63.7	1.2	-22.5	-0.6	9.5	1.0	0.0	1.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	416.65	-63.4	1.7	-20.0	-0.4	3.2	-3.5	0.0	-3.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	366.23	-62.3	1.8	-17.8	-0.3	5.3	10.3	0.0	10.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	367.29	-62.3	1.8	-18.4	-0.3	5.8	8.1	0.0	8.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	359.01	-62.1	1.7	-7.6	-0.5	4.2	17.1	0.0	17.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	363.16	-62.2	1.1	-7.7	-0.5	5.1	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	360.03	-62.1	1.6	-7.7	-0.5	2.2	14.2	0.0	14.2
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	420.42	-63.5	1.5	-5.0	-1.2	2.6	6.9	0.0	6.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	483.34	-64.7	1.7	-17.3	-1.0	1.6	20.3	0.0	20.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	454.73	-64.1	1.7	-10.8	-3.1	0.0	17.8	0.0	17.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	441.04	-63.9	1.9	-14.9	-1.0	0.0	-11.5	0.0	-11.5

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	440.70	-63.9	2.0	-9.3	-1.2	1.7	-5.7	0.0	-5.7	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	468.03	-64.4	2.0	-23.1	-1.1	0.0	-20.2	0.0	-20.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	468.77	-64.4	2.0	-23.9	-1.2	0.6	-21.9	0.0	-21.9	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	446.70	-64.0	2.4	-22.8	-1.8	1.5	3.0	0.0	3.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	445.44	-64.0	2.4	-23.9	-1.9	3.1	2.1	0.0	2.1	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	428.18	-63.6	2.3	-7.8	-1.9	1.0	17.8	0.0	17.8	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	437.70	-63.8	1.7	-9.6	-1.6	2.3	15.0	0.0	15.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	430.17	-63.7	2.3	-5.6	-1.9	0.5	17.7	0.0	17.7	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	423.65	-63.5	3.4	-8.3	-1.4	0.3	2.8	0.0	2.8	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	373.75	-62.4	1.5	-3.8	-1.6	0.3	9.0	0.0	9.0	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	425.09	-63.6	1.6	-15.6	-0.8	9.3	3.3	0.0	3.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	421.09	-63.5	1.3	-8.5	-0.5	3.0	-1.7	0.0	-1.7	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	419.34	-63.4	2.2	-5.4	-0.6	2.2	6.9	0.0	6.9	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	423.83	-63.5	2.3	-16.5	-0.4	0.0	-7.0	0.0	-7.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	418.03	-63.4	2.2	-5.4	-0.6	0.2	1.0	0.0	1.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	422.50	-63.5	2.2	-18.5	-0.4	1.3	-7.0	0.0	-7.0	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	439.24	-63.8	1.7	-4.6	-3.0	2.0	21.3	0.0	21.3	
Receiver R2 FI GF Leq,d 49.7 dB(A) Leq,e 46.1 dB(A) Leq,n 46.1 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6	4.3	44.9	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0	4.3	43.3	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	23.0	3.0	25.5	
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	27.3	0.0	27.3	
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	29.6	0.0	29.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	0.0	9.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	0.0	8.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	0.0	10.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	0.0	11.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	0.0	21.1	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	0.0	20.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	4.5	-0.5	4.4	11.0	0.0	11.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	23.0	-3.0	19.5
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	27.3	0.0	27.3
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	29.6	0.0	29.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	-2.0	7.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	-2.0	6.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	-2.0	8.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	-6.0	15.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	-6.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	-4.5	-0.5	4.4	11.0	0.0	11.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3	
ID24 - Water recooling system (full load)	Area	Leq,e				67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8
A - HGVs (accessing site)	Line	Leq,n				66.1	92.3	422.8	0	153.09	-54.7	3.1	-0.6	-1.0	1.5	40.6		
A - HGVs (leaving site)	Line	Leq,n				66.1	91.6	353.8	0	166.93	-55.4	3.5	-0.7	-1.0	1.1	39.0		
B - Loader (external movements)	Line	Leq,n				57.2	83.9	476.8	0	270.27	-59.6	3.3	-6.2	-1.0	2.7	23.0		
D - Exhaust Steam Pipe	Line	Leq,n				75.6	92.0	43.6	0	270.52	-59.6	2.2	-8.3	-1.3	2.4	27.3	0.0	27.3
D - Exhaust Steam Pipe	Line	Leq,n				72.8	92.0	83.2	0	271.22	-59.7	2.2	-5.6	-1.4	2.2	29.6	0.0	29.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	314.46	-60.9	2.6	-24.6	-2.6	1.9	9.2	-3.0	6.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	332.57	-61.4	2.3	-24.6	-2.8	0.4	8.9	-3.0	5.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	313.44	-60.9	1.9	-24.8	-2.6	0.5	9.7	0.0	9.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	294.74	-60.4	2.0	-24.6	-2.5	0.5	10.1	-3.0	7.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	310.96	-60.8	2.4	-17.8	-2.3	0.0	11.4	-3.0	8.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	325.17	-61.2	3.6	-22.9	-3.0	0.1	21.1	-24.0	-2.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	327.55	-61.3	3.9	-24.6	-3.5	1.6	20.6	-24.0	-3.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	258.47	-59.2	0.4	-10.7	-0.8	0.1	-11.4	0.0	-11.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	266.06	-59.5	1.7	-12.9	-1.8	0.1	7.6	0.0	7.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	288.94	-60.2	0.6	-9.8	-0.7	0.0	-22.5	0.0	-22.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	262.80	-59.4	0.4	-8.1	-0.7	0.1	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	297.66	-60.5	0.4	-23.8	-0.8	0.6	-27.9	0.0	-27.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	288.04	-60.2	1.0	-23.6	-0.8	0.8	-28.2	0.0	-28.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	282.97	-60.0	1.8	-16.8	-1.8	0.2	6.8	0.0	6.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	275.82	-59.8	0.5	-9.3	-0.7	0.0	-17.0	0.0	-17.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	290.95	-60.3	1.7	-14.6	-1.8	0.0	2.9	0.0	2.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	268.02	-59.6	0.8	-19.0	-0.6	0.3	-27.3	0.0	-27.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	280.08	-59.9	0.8	-22.9	-0.7	0.8	-31.2	0.0	-31.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	294.17	-60.4	0.3	-23.7	-0.8	0.0	-27.8	0.0	-27.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	274.55	-59.8	1.2	-19.4	-0.6	0.7	-26.0	0.0	-26.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	273.63	-59.7	2.0	-11.3	-1.9	1.8	6.2	0.0	6.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	265.27	-59.5	1.0	-13.2	-0.7	0.5	-18.3	0.0	-18.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	289.24	-60.2	1.9	-24.3	-2.0	1.9	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	290.16	-60.2	1.6	-8.3	-1.9	0.0	7.0	0.0	7.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	295.42	-60.4	1.7	-24.2	-2.0	0.0	-3.0	0.0	-3.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	277.10	-59.8	1.6	-7.4	-1.8	0.0	10.0	0.0	10.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	298.89	-60.5	1.8	-24.5	-2.1	1.7	-2.3	0.0	-2.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	266.63	-59.5	2.0	-4.6	-1.9	2.0	16.6	0.0	16.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	264.14	-59.4	1.6	-5.7	-1.8	0.0	10.5	0.0	10.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	259.84	-59.3	1.7	-7.6	-1.9	0.0	17.0	0.0	16.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	269.41	-59.6	1.9	-19.3	-1.6	0.7	-2.0	0.0	-2.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	281.40	-60.0	2.0	-23.4	-1.8	1.6	-5.8	0.0	-5.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	275.95	-59.8	2.0	-12.6	-1.7	0.3	5.3	0.0	5.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	233.13	-58.3	1.2	-4.7	-1.4	0.0	29.4	0.0	29.4	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	260.01	-59.3	1.3	-24.4	-1.5	0.8	13.2	0.0	13.1	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	239.97	-58.6	1.6	-16.4	-1.0	1.6	22.7	0.0	22.7	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	213.39	-57.6	1.4	-3.4	-1.3	1.0	36.4	0.0	36.4	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	239.09	-58.6	1.3	-12.0	-1.0	0.4	23.2	0.0	23.2	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	194.24	-56.8	1.5	-1.2	-1.2	1.8	24.3	0.0	24.3	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	196.89	-56.9	1.3	-21.4	-0.9	7.4	11.3	0.0	11.3	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	193.16	-56.7	1.3	-21.3	-0.9	3.0	15.8	0.0	15.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	198.86	-57.0	1.5	-16.8	-0.8	1.4	11.3	0.0	11.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	199.05	-57.0	1.3	-21.7	-1.0	5.9	18.0	0.0	18.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	171.17	-55.7	1.5	-2.3	-1.0	1.8	35.3	0.0	35.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	182.93	-56.2	1.3	-8.4	-0.9	1.6	24.9	0.0	24.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	184.79	-56.3	1.6	-13.9	-0.8	3.7	23.7	0.0	23.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	193.03	-56.7	1.3	-21.4	-0.9	3.6	16.8	0.0	16.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	179.64	-56.1	1.4	0.0	-1.1	1.7	35.1	0.0	35.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	164.59	-55.3	1.5	-4.9	-1.0	4.0	26.0	0.0	26.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	159.61	-55.1	2.0	0.0	-1.0	1.6	32.4	0.0	32.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	165.64	-55.4	2.1	-11.2	-0.7	0.4	20.0	0.0	20.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	169.00	-55.6	2.0	-18.5	-0.7	12.2	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	163.16	-55.2	1.9	0.0	-1.0	2.0	29.5	0.0	29.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	160.40	-55.1	1.2	-4.8	-0.9	1.9	24.0	0.0	24.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	155.36	-54.8	1.6	0.0	-1.0	0.1	30.9	0.0	30.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	160.72	-55.1	1.7	-7.9	-0.8	0.2	22.9	0.0	22.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	165.14	-55.3	1.7	-18.8	-0.7	7.7	19.4	0.0	19.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	159.63	-55.1	1.6	0.0	-1.0	1.8	29.3	0.0	29.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	185.48	-56.4	0.7	-4.7	-0.6	1.0	29.5	0.0	29.5
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	184.73	-56.3	0.6	-4.7	-0.6	1.0	29.4	0.0	29.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	263.59	-59.4	1.2	-20.9	-0.4	2.7	-1.4	0.0	-1.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	238.33	-58.5	1.5	-18.1	-0.2	0.4	4.3	0.0	4.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	240.86	-58.6	1.7	-15.5	-0.2	3.9	13.5	0.0	13.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	240.66	-58.6	1.2	-9.8	-0.4	3.1	12.6	0.0	12.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	217.90	-57.8	1.8	-11.1	-0.2	0.4	8.5	0.0	8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	191.30	-56.6	1.5	-4.6	-0.4	0.3	23.8	0.0	23.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	196.91	-56.9	1.6	-11.9	-0.1	1.9	16.2	0.0	16.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	184.01	-56.3	1.2	0.0	-0.5	0.1	25.9	0.0	25.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	190.46	-56.6	0.8	-4.3	-0.5	2.6	22.6	0.0	22.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	190.06	-56.6	1.5	0.0	-0.5	2.5	27.5	0.0	27.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	196.33	-56.9	1.6	0.0	-0.7	3.7	20.1	0.0	20.1
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	281.20	-60.0	1.1	-5.4	-0.7	1.8	36.7	0.0	36.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	237.59	-58.5	2.3	-7.7	-1.9	2.3	30.8	0.0	30.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	230.22	-58.2	1.6	0.0	-0.8	1.8	10.9	0.0	10.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	216.41	-57.7	1.8	-2.7	-0.7	2.8	8.5	0.0	8.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	243.96	-58.7	1.7	-19.9	-0.6	0.8	-10.3	0.0	-10.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	259.31	-59.3	1.5	-20.9	-0.6	0.9	-13.5	0.0	-13.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	210.60	-57.5	2.4	-17.7	-0.8	1.2	15.3	0.0	15.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	218.46	-57.8	2.4	-19.7	-0.9	6.1	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	199.79	-57.0	2.4	-2.5	-1.1	5.0	34.5	0.0	34.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	205.39	-57.2	2.0	-5.6	-1.1	4.2	28.4	0.0	28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	192.68	-56.7	2.4	-0.6	-1.1	2.3	32.5	0.0	32.5
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.6	-3.9	-1.2	2.2	16.5	0.0	16.5
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	133.32	-53.5	1.9	0.0	-1.0	2.9	25.3	0.0	25.3
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	203.87	-57.2	1.5	0.0	-0.7	4.1	20.1	0.0	20.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	191.92	-56.7	1.7	-4.5	-0.5	4.4	11.0	0.0	11.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	188.94	-56.5	1.8	0.0	-0.5	2.5	19.2	0.0	19.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	193.07	-56.7	2.4	-8.2	-0.2	0.5	9.0	0.0	9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	190.05	-56.6	2.3	0.0	-0.5	1.5	14.8	0.0	14.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	194.18	-56.8	2.4	-10.8	-0.1	10.8	17.3	0.0	17.3
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	210.46	-57.5	2.3	0.0	-1.7	4.5	36.8	0.0	36.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R2 F1 F1 Leq,d 50.1 dB(A) Leq,e 47.3 dB(A) Leq,n 47.2 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5	4.3	44.7
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7	4.3	43.0
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6	3.0	26.0
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	28.6	0.0	28.6
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	31.4	0.0	31.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	0.0	9.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	0.0	9.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	0.0	12.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	0.0	21.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	0.0	20.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8



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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6	-3.0	20.0
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	28.6	0.0	28.6
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	31.4	0.0	31.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	-2.0	7.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	-2.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	-2.0	8.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	-2.0	10.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	-6.0	15.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	-6.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	153.10	-54.7	2.8	-0.7	-0.9	1.5	40.5		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	166.95	-55.4	3.2	-0.8	-0.9	1.2	38.7		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	270.02	-59.6	3.6	-6.1	-0.9	2.6	23.6		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	270.32	-59.6	2.7	-7.6	-1.3	2.4	28.6	0.0	28.6
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	271.00	-59.7	2.7	-4.7	-1.5	2.5	31.4	0.0	31.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	314.40	-60.9	2.9	-24.6	-2.5	1.7	9.5	-3.0	6.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	332.52	-61.4	2.6	-24.5	-2.6	0.3	9.4	-3.0	6.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	313.32	-60.9	2.4	-24.8	-2.5	0.5	10.3	0.0	10.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	294.68	-60.4	2.5	-24.6	-2.3	0.5	10.7	-3.0	7.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	310.91	-60.8	2.5	-17.4	-2.1	0.0	12.1	-3.0	9.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	325.16	-61.2	3.5	-22.7	-2.8	0.2	21.6	-24.0	-2.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	327.54	-61.3	3.8	-24.6	-3.3	1.5	20.7	-24.0	-3.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	258.38	-59.2	2.4	-11.0	-0.7	0.1	-9.6	0.0	-9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	265.74	-59.5	2.4	-12.9	-1.7	0.1	8.5	0.0	8.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	288.86	-60.2	2.1	-9.4	-0.7	0.0	-20.5	0.0	-20.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	262.71	-59.4	2.0	-7.9	-0.7	0.1	-15.1	0.0	-15.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	297.58	-60.5	2.5	-23.9	-0.7	0.4	-26.0	0.0	-26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	287.95	-60.2	2.7	-23.5	-0.7	0.6	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	282.66	-60.0	2.5	-16.4	-1.7	0.2	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	275.73	-59.8	2.1	-9.0	-0.7	0.0	-15.0	0.0	-15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	290.65	-60.3	2.3	-14.0	-1.6	0.0	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	267.93	-59.6	2.7	-17.8	-0.5	0.2	-24.3	0.0	-24.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	279.99	-59.9	2.6	-22.8	-0.6	0.7	-29.4	0.0	-29.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	294.08	-60.4	2.3	-23.5	-0.7	0.0	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	274.47	-59.8	2.8	-19.1	-0.6	0.6	-24.1	0.0	-24.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	273.31	-59.7	2.7	-11.0	-1.8	1.9	7.4	0.0	7.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	265.18	-59.5	2.7	-12.7	-0.6	0.5	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	289.00	-60.2	2.6	-24.2	-1.8	1.8	-2.1	0.0	-2.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	289.92	-60.2	2.1	-8.1	-1.7	0.0	7.8	0.0	7.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	295.18	-60.4	2.4	-24.2	-1.9	0.0	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	276.84	-59.8	2.1	-7.3	-1.7	0.0	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	298.66	-60.5	2.6	-24.5	-1.9	1.6	-1.5	0.0	-1.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	266.36	-59.5	2.7	-4.3	-1.8	1.9	17.6	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	263.88	-59.4	2.0	-5.7	-1.7	0.0	11.2	0.0	11.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	259.57	-59.3	2.4	-7.7	-1.8	0.0	17.7	0.0	17.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	269.15	-59.6	2.6	-18.9	-1.4	0.6	-0.8	0.0	-0.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	281.15	-60.0	2.7	-23.2	-1.7	1.5	-4.9	0.0	-4.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	275.69	-59.8	2.7	-11.5	-1.5	0.2	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	232.88	-58.3	2.3	-4.7	-1.2	0.0	30.6	0.0	30.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	259.78	-59.3	2.5	-24.4	-1.3	0.6	14.4	0.0	14.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	239.73	-58.6	2.6	-16.0	-0.9	1.4	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	213.12	-57.6	2.5	-3.3	-1.1	0.5	37.3	0.0	37.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	238.58	-58.5	2.5	-11.5	-0.9	0.4	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	194.12	-56.8	2.5	-1.1	-1.0	1.8	25.6	0.0	25.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	196.64	-56.9	2.5	-21.1	-0.8	7.6	13.2	0.0	13.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	193.04	-56.7	2.5	-21.0	-0.8	2.7	17.1	0.0	17.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	198.74	-57.0	2.7	-16.3	-0.7	1.1	12.8	0.0	12.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	198.93	-57.0	2.5	-21.4	-0.8	5.5	19.3	0.0	19.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	171.02	-55.7	2.5	-2.1	-0.9	0.9	35.8	0.0	35.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	182.61	-56.2	2.5	-7.8	-0.8	1.6	26.8	0.0	26.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	184.64	-56.3	2.6	-13.5	-0.7	3.5	25.0	0.0	25.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	192.89	-56.7	2.5	-21.1	-0.8	3.3	18.2	0.0	18.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	179.49	-56.1	2.4	0.0	-1.0	1.8	36.4	0.0	36.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	164.47	-55.3	2.6	-4.8	-0.9	3.9	27.2	0.0	27.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	159.56	-55.1	2.7	0.0	-0.9	1.6	33.1	0.0	33.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	165.59	-55.4	2.7	-10.7	-0.6	0.4	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	168.96	-55.5	2.7	-18.0	-0.6	12.0	25.4	0.0	25.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	163.10	-55.2	2.6	0.0	-0.9	1.8	30.1	0.0	30.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	160.27	-55.1	2.4	-4.8	-0.9	2.0	25.5	0.0	25.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	155.30	-54.8	2.5	0.0	-0.8	0.1	31.9	0.0	31.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	160.67	-55.1	2.6	-7.5	-0.7	0.1	24.1	0.0	24.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	165.09	-55.3	2.5	-18.3	-0.6	7.6	20.7	0.0	20.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	159.58	-55.1	2.5	0.0	-0.9	1.9	30.3	0.0	30.3	
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	184.28	-56.3	2.5	-4.5	-0.6	0.7	31.4	0.0	31.4	
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	183.52	-56.3	2.5	-4.6	-0.6	0.8	31.3	0.0	31.3	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	263.53	-59.4	2.5	-21.3	-0.4	2.8	-0.3	0.0	-0.3	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	238.26	-58.5	2.6	-18.5	-0.2	0.5	5.0	0.0	5.0	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	240.79	-58.6	2.6	-15.9	-0.2	4.5	14.7	0.0	14.7	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	240.51	-58.6	2.5	-9.4	-0.4	3.1	14.3	0.0	14.3	
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	217.83	-57.8	2.7	-11.1	-0.2	0.4	9.4	0.0	9.4	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	191.27	-56.6	2.4	-4.6	-0.4	0.3	24.7	0.0	24.7	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	196.88	-56.9	2.4	-12.3	-0.2	1.8	16.4	0.0	16.4	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	183.98	-56.3	2.3	0.0	-0.4	0.0	27.0	0.0	27.0	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	190.37	-56.6	2.0	-4.6	-0.4	2.7	23.6	0.0	23.6	
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	190.03	-56.6	2.1	0.0	-0.5	2.5	28.2	0.0	28.2	
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	196.21	-56.8	2.7	0.0	-0.7	3.9	21.4	0.0	21.4	
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	280.94	-60.0	2.7	-5.3	-0.7	2.1	38.8	0.0	38.8	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	237.34	-58.5	2.7	-7.1	-1.8	2.4	31.9	0.0	31.9	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	230.10	-58.2	2.7	0.0	-0.7	2.0	12.3	0.0	12.3	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	216.29	-57.7	2.7	-2.5	-0.6	3.2	10.1	0.0	10.1	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	243.85	-58.7	2.8	-19.6	-0.5	0.9	-8.8	0.0	-8.8	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	259.21	-59.3	2.7	-20.7	-0.6	0.9	-11.9	0.0	-11.9	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	210.53	-57.5	2.9	-17.4	-0.7	1.2	16.1	0.0	16.1	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	218.39	-57.8	2.8	-19.3	-0.8	6.2	17.4	0.0	17.4	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	199.71	-57.0	2.9	-2.3	-1.0	5.0	35.2	0.0	35.2	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	205.22	-57.2	2.8	-5.2	-1.0	4.4	29.7	0.0	29.7	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	192.60	-56.7	2.8	-0.4	-1.0	2.4	33.3	0.0	33.3	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	188.80	-56.5	3.3	-3.2	-1.2	2.3	16.9	0.0	16.9	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	133.17	-53.5	2.7	0.0	-0.9	3.1	26.3	0.0	26.3	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	203.77	-57.2	2.7	0.0	-0.7	4.3	21.5	0.0	21.5	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	191.84	-56.7	2.6	-4.5	-0.4	4.7	12.2	0.0	12.2	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	188.90	-56.5	2.7	0.0	-0.4	2.7	20.4	0.0	20.4	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	193.03	-56.7	2.7	-8.2	-0.2	0.6	9.3	0.0	9.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	190.01	-56.6	2.7	0.0	-0.4	1.8	15.4	0.0	15.4	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	194.14	-56.8	2.7	-10.9	-0.2	11.4	18.1	0.0	18.1	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	210.18	-57.4	2.8	0.0	-1.7	4.6	37.3	0.0	37.3	
Receiver R3	FI GF	Leq,d 51.9 dB(A)	Leq,e 46.3 dB(A)	Leq,n 46.3 dB(A)														
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3	4.3	47.5	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2	4.3	47.4	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2	3.0	25.7	
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	25.1	0.0	25.1	
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	26.9	0.0	26.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	0.0	12.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	0.0	10.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	0.0	11.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	0.0	5.6	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	0.0	20.2	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	0.0	21.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8	

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	L1 dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,d		89.5	89.5			0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,d		89.5	89.5			0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2	-3.0	19.6
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	25.1	0.0	25.1
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	26.9	0.0	26.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	-2.0	10.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	-2.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	-2.0	3.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	-6.0	14.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	-6.0	15.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0



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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	122.38	-52.7	2.2	-0.3	-0.8	2.6	43.3		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	111.24	-51.9	2.0	-0.3	-0.7	2.5	43.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	307.70	-60.8	3.8	-7.4	-1.1	4.6	23.2		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	271.28	-59.7	1.6	-10.1	-1.3	2.5	25.1	0.0	25.1
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	272.16	-59.7	1.6	-8.2	-1.3	2.5	26.9	0.0	26.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.1	-2.7	5.1	12.4	-3.0	9.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.3	10.3	-3.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.4	10.6	0.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.4	-2.7	2.2	11.3	-3.0	8.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.5	-2.9	2.2	5.6	-3.0	2.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.6	-3.8	2.2	20.2	-24.0	-3.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.2	-3.6	2.0	21.0	-24.0	-3.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.1	-0.8	2.5	-22.9	0.0	-22.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-20.9	-2.0	2.4	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-23.3	-0.9	1.7	-34.8	0.0	-34.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-22.8	-0.8	1.6	-30.8	0.0	-30.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.0	-0.8	1.7	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-18.7	-0.7	0.7	-23.9	0.0	-23.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	2.4	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-23.1	-0.8	1.7	-29.6	0.0	-29.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.3	-6.2	0.0	-6.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-20.0	-0.7	0.9	-27.9	0.0	-27.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-22.2	-0.7	1.5	-30.7	0.0	-30.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.1	-0.9	2.0	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-7.8	-0.7	0.3	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.0	12.9	0.0	12.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-5.2	-0.8	4.9	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-19.0	-1.7	1.1	1.2	0.0	1.2

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-23.9	-2.3	1.9	-8.0	0.0	-8.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.6	-2.3	2.2	-2.2	0.0	-2.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-23.7	-2.2	1.9	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-23.8	-2.1	1.9	-2.0	0.0	-2.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-0.2	-2.1	4.3	22.6	0.0	22.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-23.2	-2.0	1.7	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.2	-2.1	2.2	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-11.5	-1.7	0.1	4.5	0.0	4.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-22.7	-1.8	1.5	-5.8	0.0	-5.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-4.1	-2.0	1.6	14.1	0.0	14.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-20.2	-1.2	1.0	13.9	0.0	13.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	263.89	-59.4	2.0	-2.0	-1.5	3.4	38.1	0.0	38.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-3.4	-1.4	2.7	37.1	0.0	37.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	276.15	-59.8	1.8	-10.2	-1.2	2.2	25.9	0.0	25.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-22.7	-1.2	4.1	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	237.18	-58.5	1.8	-17.1	-1.2	12.1	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-22.4	-1.2	4.6	15.1	0.0	15.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-8.5	-1.3	3.1	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-22.7	-1.1	6.6	16.7	0.0	16.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-2.8	-1.2	2.9	34.4	0.0	34.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	224.52	-58.0	1.8	-7.2	-1.2	4.1	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-5.6	-1.3	3.6	30.4	0.0	30.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-22.6	-1.1	5.1	15.9	0.0	15.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-18.1	-1.0	1.2	15.0	0.0	15.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	200.60	-57.0	1.8	-4.8	-1.2	3.9	24.3	0.0	24.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	195.85	-56.8	1.9	0.0	-1.1	2.4	31.1	0.0	31.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.5	-0.1	-1.2	4.6	33.5	0.0	33.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-18.2	-0.8	4.4	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-13.8	-0.8	6.7	19.3	0.0	19.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	211.90	-57.5	1.7	-4.8	-1.2	3.7	23.6	0.0	23.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	207.33	-57.3	2.0	0.0	-1.2	2.4	30.8	0.0	30.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-0.1	-1.2	3.1	31.6	0.0	31.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-18.1	-0.8	10.4	21.1	0.0	21.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-15.4	-0.8	1.1	11.5	0.0	11.5
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-14.6	-0.2	2.6	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-10.5	-0.2	0.8	12.0	0.0	12.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	259.90	-59.3	1.9	-0.7	-0.6	3.9	27.3	0.0	27.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	261.60	-59.3	1.4	-4.8	-0.6	6.2	19.8	0.0	19.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.0	-0.6	-0.6	2.5	20.1	0.0	20.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-15.1	-0.2	1.0	13.2	0.0	13.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-19.0	-0.3	3.5	9.4	0.0	9.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-14.0	-0.2	0.8	12.0	0.0	12.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-20.3	-0.3	4.2	6.9	0.0	6.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-16.0	-0.2	1.4	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	199.80	-57.0	0.8	-3.7	-1.0	4.4	15.8	0.0	15.8
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-6.3	-0.7	2.3	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-8.0	-1.8	2.4	30.1	0.0	30.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-13.1	-0.5	3.4	-1.8	0.0	-1.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-4.9	-0.7	2.6	4.9	0.0	4.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	232.02	-58.3	0.3	0.0	-0.8	2.4	9.9	0.0	9.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-20.5	-0.6	1.1	-13.9	0.0	-13.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	0.0	-1.2	2.4	33.4	0.0	33.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-20.9	-1.0	4.3	12.8	0.0	12.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-11.7	-0.9	8.0	27.9	0.0	27.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	195.68	-56.8	1.1	-5.7	-1.1	3.9	27.5	0.0	27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	181.17	-56.2	1.4	0.0	-1.1	2.8	33.1	0.0	33.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	0.0	-2.3	2.9	19.3	0.0	19.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	147.71	-54.4	1.7	0.0	-1.1	2.8	24.0	0.0	24.0
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	207.81	-57.3	0.7	-3.1	-0.7	4.7	16.7	0.0	16.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	190.90	-56.6	0.9	-5.0	-0.4	3.0	8.4	0.0	8.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	187.84	-56.5	1.0	-0.3	-0.5	2.9	18.5	0.0	18.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-7.0	-0.3	0.3	9.1	0.0	9.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-6.2	-0.3	2.0	8.6	0.0	8.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-12.5	-0.1	3.0	6.9	0.0	6.9
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	202.94	-57.1	1.7	0.0	-1.7	4.6	36.5	0.0	36.5
Receiver R4 FI GF Leq,d 40.9 dB(A) Leq,e 39.6 dB(A) Leq,n 39.6 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d				66.1	92.3	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2	4.3	31.5
A - HGVs (leaving site)	Line	Leq,d				66.1	91.6	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5	4.3	31.7
B - Loader (external movements)	Line	Leq,d				57.2	83.9	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4	3.0	12.0
D - Exhaust Steam Pipe	Line	Leq,d				75.6	92.0	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	24.1	0.0	24.1
D - Exhaust Steam Pipe	Line	Leq,d				72.8	92.0	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	25.6	0.0	25.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	0.0	18.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	0.0	5.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	0.0	5.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	0.0	0.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	0.0	14.5
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	0.0	26.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-3.1	2.6	8.8	0.0	8.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4	-3.0	5.9
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	24.1	0.0	24.1
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	25.6	0.0	25.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	-2.0	16.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	-2.0	3.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	-2.0	3.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	-2.0	-2.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	-6.0	8.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	-6.0	20.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-1.1	2.6	8.8	0.0	8.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2	
ID24 - Water recooling system (full load)	Area	Leq,e				67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9
A - HGVs (accessing site)	Line	Leq,n				66.1	92.3	422.8	0	415.61	-63.4	2.6	-2.6	-2.3	0.6	27.2	0.0	27.2
A - HGVs (leaving site)	Line	Leq,n				66.1	91.6	353.8	0	379.42	-62.6	2.3	-2.8	-2.2	1.2	27.5	0.0	27.5
B - Loader (external movements)	Line	Leq,n				57.2	83.9	476.8	0	482.78	-64.7	2.9	-14.4	-1.3	3.0	9.4	0.0	9.4
D - Exhaust Steam Pipe	Line	Leq,n				75.6	92.0	43.6	0	407.56	-63.2	1.2	-6.2	-2.2	2.5	24.1	0.0	24.1
D - Exhaust Steam Pipe	Line	Leq,n				72.8	92.0	83.2	0	407.77	-63.2	1.2	-4.8	-2.1	2.6	25.6	0.0	25.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	493.21	-64.9	2.3	-10.5	-4.0	2.5	18.2	-3.0	15.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	528.05	-65.4	2.5	-24.7	-4.3	2.4	5.4	-3.0	2.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	516.30	-65.3	1.5	-20.4	-3.7	2.9	10.7	0.0	10.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	504.34	-65.0	2.3	-24.9	-4.2	2.5	5.7	-3.0	2.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	539.21	-65.6	2.6	-24.8	-4.4	2.4	0.0	-3.0	-3.0	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	546.88	-65.7	3.4	-24.9	-5.3	2.4	14.5	-24.0	-9.5	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	501.68	-65.0	3.2	-15.0	-3.9	2.6	26.4	-24.0	2.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	477.84	-64.6	0.3	-24.5	-1.3	2.7	-28.5	0.0	-28.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	482.12	-64.7	1.3	-14.0	-3.1	2.5	2.0	0.0	2.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	525.47	-65.4	0.7	-24.2	-1.4	2.3	-40.4	0.0	-40.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	510.98	-65.2	0.6	-24.1	-1.4	2.2	-37.0	0.0	-37.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	479.00	-64.6	0.2	-24.3	-1.3	2.4	-31.4	0.0	-31.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	456.35	-64.2	0.4	-9.0	-1.2	2.3	-17.1	0.0	-17.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	483.41	-64.7	1.3	-7.5	-3.2	2.5	11.9	0.0	11.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	518.12	-65.3	0.6	-24.2	-1.4	2.3	-35.5	0.0	-35.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	509.68	-65.1	1.4	-9.6	-3.3	2.4	3.4	0.0	3.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	453.09	-64.1	0.3	-23.8	-1.2	2.2	-35.9	0.0	-35.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	446.21	-64.0	0.1	-24.1	-1.2	2.4	-36.2	0.0	-36.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	510.71	-65.2	0.4	-24.4	-1.4	2.4	-31.3	0.0	-31.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	437.81	-63.8	0.3	-18.9	-0.9	3.2	-28.2	0.0	-28.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	446.40	-64.0	1.3	-4.8	-3.1	4.1	8.9	0.0	8.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	441.64	-63.9	0.4	-18.8	-1.0	3.5	-26.2	0.0	-26.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	457.37	-64.2	1.3	-7.4	-3.1	2.6	8.8	0.0	8.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	526.15	-65.4	1.4	-24.7	-3.5	2.4	-14.1	0.0	-14.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	511.45	-65.2	1.3	-24.5	-3.3	2.3	-7.4	0.0	-7.4	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	518.81	-65.3	1.4	-24.6	-3.5	2.4	-12.2	0.0	-12.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	479.78	-64.6	1.3	-24.0	-3.0	2.1	-6.9	0.0	-6.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	442.45	-63.9	1.3	-4.7	-3.1	5.0	13.2	0.0	13.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	511.68	-65.2	1.4	-24.5	-3.4	2.3	-13.5	0.0	-13.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	478.61	-64.6	1.3	-24.7	-3.3	2.4	-4.8	0.0	-4.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	453.89	-64.1	1.3	-22.7	-2.7	1.8	-10.6	0.0	-10.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	447.05	-64.0	1.3	-23.3	-2.7	2.0	-10.9	0.0	-10.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	438.62	-63.8	1.2	-5.2	-3.0	3.3	9.6	0.0	9.6	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	483.59	-64.7	1.0	-22.5	-2.2	1.4	5.7	0.0	5.7	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	472.52	-64.5	0.9	-24.5	-2.5	2.3	8.1	0.0	8.1	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	436.77	-63.8	1.1	-4.1	-2.5	2.6	28.9	0.0	28.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	447.22	-64.0	1.1	-3.0	-2.6	3.3	31.2	0.0	31.2	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	461.15	-64.3	0.8	-5.9	-2.3	2.5	23.9	0.0	23.9	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	454.20	-64.1	1.5	-23.5	-2.2	4.2	-4.0	0.0	-4.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	440.72	-63.9	0.8	-11.1	-2.2	7.6	13.1	0.0	13.1	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	437.98	-63.8	1.4	-20.4	-2.1	1.9	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	425.38	-63.6	1.4	-9.0	-2.6	1.1	10.3	0.0	10.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	440.87	-63.9	1.4	-21.3	-1.9	9.4	14.2	0.0	14.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	428.42	-63.6	1.4	-3.4	-2.4	0.0	22.9	0.0	22.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	433.29	-63.7	0.8	-4.6	-2.4	0.4	18.1	0.0	18.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	418.71	-63.4	1.3	-5.7	-2.4	0.1	19.2	0.0	19.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	437.97	-63.8	1.3	-21.2	-1.9	2.5	8.0	0.0	8.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	448.21	-64.0	1.3	-21.6	-1.9	0.7	3.8	0.0	3.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	414.86	-63.4	1.1	-4.6	-2.3	1.7	14.2	0.0	14.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	411.95	-63.3	1.9	0.0	-2.4	0.0	21.0	0.0	21.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	409.62	-63.2	2.0	-1.5	-2.3	1.6	21.2	0.0	21.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	416.17	-63.4	2.0	-16.7	-1.6	6.4	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	418.63	-63.4	2.1	-18.7	-1.6	0.5	0.5	0.0	0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	435.68	-63.8	1.3	-5.9	-2.4	1.8	12.7	0.0	12.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	433.58	-63.7	2.1	-1.7	-2.5	0.0	19.2	0.0	19.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	430.97	-63.7	2.1	-2.8	-2.4	0.1	18.1	0.0	18.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	437.47	-63.8	2.1	-20.7	-1.9	5.0	5.5	0.0	5.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	440.13	-63.9	2.2	-18.8	-1.7	0.7	0.4	0.0	0.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	431.85	-63.7	0.2	-2.4	-2.0	0.0	21.6	0.0	21.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	436.30	-63.8	0.2	-2.3	-2.1	0.0	21.5	0.0	21.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	445.61	-64.0	1.1	-21.1	-0.5	5.9	-3.2	0.0	-3.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	435.75	-63.8	1.1	-20.0	-0.4	2.4	-1.5	0.0	-1.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	427.73	-63.6	1.0	-17.2	-0.3	2.4	4.5	0.0	4.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	432.00	-63.7	0.3	-13.7	-0.3	5.4	5.1	0.0	5.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	418.87	-63.4	1.0	-13.8	-0.3	4.1	2.9	0.0	2.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	452.99	-64.1	1.9	-19.7	-0.4	2.2	3.4	0.0	3.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	459.38	-64.2	1.9	-18.8	-0.4	2.5	2.4	0.0	2.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	453.69	-64.1	1.9	-19.1	-0.4	0.0	-0.3	0.0	-0.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	456.59	-64.2	1.1	-19.7	-0.4	3.6	1.0	0.0	1.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	460.08	-64.2	1.9	-19.2	-0.4	0.0	-1.4	0.0	-1.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	377.70	-62.5	0.1	-15.9	-0.7	3.3	-3.3	0.0	-3.3
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	414.24	-63.3	-0.5	-4.2	-1.1	3.7	34.5	0.0	34.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	385.14	-62.7	1.3	-5.2	-3.2	2.6	27.0	0.0	27.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	399.12	-63.0	0.1	-22.2	-1.0	12.3	-7.3	0.0	-7.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	372.16	-62.4	0.0	-7.9	-1.1	3.9	-2.5	0.0	-2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	370.63	-62.4	-0.1	-4.6	-1.1	2.5	0.8	0.0	0.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	397.81	-63.0	0.1	-23.1	-1.1	2.5	-19.6	0.0	-19.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	349.84	-61.9	1.0	-5.0	-1.8	3.3	23.3	0.0	23.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	366.74	-62.3	1.2	-23.4	-1.8	10.5	10.4	0.0	10.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	369.27	-62.3	1.2	-20.6	-1.6	13.6	18.1	0.0	18.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	360.57	-62.1	0.7	-5.0	-1.9	3.3	21.0	0.0	21.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	352.11	-61.9	1.0	-0.5	-2.1	2.6	25.4	0.0	25.4
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	1.6	0.0	-3.5	1.1	9.4	0.0	9.4
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	370.93	-62.4	0.8	0.0	-2.2	0.0	11.2	0.0	11.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	381.49	-62.6	0.2	-18.2	-0.7	15.9	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	369.11	-62.3	0.4	-14.3	-0.2	1.0	-9.0	0.0	-9.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	367.65	-62.3	1.0	-9.3	-0.3	0.2	1.1	0.0	1.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	365.81	-62.3	1.0	-15.0	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	372.09	-62.4	1.1	-12.6	-0.2	0.3	-5.9	0.0	-5.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	370.21	-62.4	1.0	-18.0	-0.3	0.7	-7.2	0.0	-7.2
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	364.65	-62.2	1.2	-0.9	-3.1	3.9	27.9	0.0	27.9



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R4 F1F 1 Leq,d 42.3 dB(A) Leq,e 41.0 dB(A) Leq,n 40.9 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0	4.3	32.3
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0	4.3	33.3
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3	3.0	14.8
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	25.2	0.0	25.2
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	26.7	0.0	26.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	0.0	19.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	0.0	5.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	0.0	5.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	0.0	0.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	0.0	14.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	0.0	29.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3	-3.0	8.8
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	25.2	0.0	25.2
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	26.7	0.0	26.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	-2.0	17.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	-2.0	3.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	-2.0	3.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	-2.0	-1.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	-6.0	8.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	-6.0	23.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	415.61	-63.4	3.2	-2.6	-2.0	0.5	28.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	379.38	-62.6	2.8	-2.2	-2.0	1.4	29.0		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	482.78	-64.7	3.5	-12.0	-1.5	3.1	12.3		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	407.42	-63.2	1.6	-5.8	-2.2	2.9	25.2	0.0	25.2
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	407.62	-63.2	1.6	-4.4	-2.2	2.9	26.7	0.0	26.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	493.17	-64.9	2.3	-9.7	-3.9	2.3	19.0	-3.0	16.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	528.02	-65.4	2.5	-24.7	-4.0	2.3	5.7	-3.0	2.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	516.23	-65.2	1.7	-15.9	-3.8	2.7	15.0	0.0	15.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	504.31	-65.0	2.3	-24.9	-4.0	2.5	5.9	-3.0	2.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	539.17	-65.6	2.6	-24.8	-4.2	2.4	0.2	-3.0	-2.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	546.87	-65.7	3.4	-24.9	-5.0	2.4	14.8	-24.0	-9.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	501.67	-65.0	3.2	-11.6	-4.3	2.2	29.0	-24.0	5.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	477.79	-64.6	1.6	-24.8	-1.2	2.7	-27.3	0.0	-27.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	481.94	-64.7	1.7	-14.0	-3.0	2.5	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	525.43	-65.4	2.2	-24.4	-1.3	2.3	-39.0	0.0	-39.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	510.93	-65.2	2.1	-24.3	-1.2	2.2	-35.6	0.0	-35.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	478.95	-64.6	1.6	-24.6	-1.2	2.4	-30.3	0.0	-30.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	456.30	-64.2	1.8	-8.6	-1.2	2.1	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	483.23	-64.7	1.7	-7.4	-3.0	2.5	12.4	0.0	12.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	518.07	-65.3	2.1	-24.4	-1.3	2.3	-34.2	0.0	-34.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	509.51	-65.1	1.7	-9.4	-3.1	2.4	4.1	0.0	4.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	453.04	-64.1	1.8	-24.0	-1.1	2.1	-34.6	0.0	-34.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	446.16	-64.0	1.5	-24.5	-1.1	2.3	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	510.67	-65.2	1.8	-24.7	-1.3	2.4	-30.1	0.0	-30.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	437.76	-63.8	1.8	-16.5	-0.9	2.1	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	446.24	-64.0	1.6	-4.9	-2.9	4.1	9.3	0.0	9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	441.59	-63.9	1.8	-18.1	-0.9	2.9	-24.5	0.0	-24.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	457.22	-64.2	1.6	-5.0	-3.3	2.8	11.7	0.0	11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	526.02	-65.4	1.7	-24.7	-3.3	2.4	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	511.31	-65.2	1.7	-24.5	-3.1	2.2	-6.9	0.0	-6.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	518.68	-65.3	1.7	-24.7	-3.3	2.3	-11.7	0.0	-11.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	479.64	-64.6	1.6	-23.4	-2.7	1.9	-5.9	0.0	-5.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	442.29	-63.9	1.6	-2.3	-3.0	3.5	14.6	0.0	14.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	511.55	-65.2	1.7	-24.6	-3.2	2.3	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	478.47	-64.6	1.7	-24.7	-3.1	2.4	-4.3	0.0	-4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	453.73	-64.1	1.6	-21.3	-2.4	1.3	-9.0	0.0	-9.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	446.89	-64.0	1.6	-21.0	-2.4	1.3	-8.7	0.0	-8.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	438.47	-63.8	1.6	-2.0	-3.0	2.6	12.4	0.0	12.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	483.47	-64.7	1.8	-22.3	-1.9	1.3	6.8	0.0	6.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	472.40	-64.5	1.7	-22.9	-1.9	1.6	10.2	0.0	10.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	436.64	-63.8	1.8	-3.8	-2.2	2.5	30.1	0.0	30.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	447.08	-64.0	1.9	-2.7	-2.2	3.3	32.6	0.0	32.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	460.89	-64.3	1.6	-5.9	-2.1	2.5	25.0	0.0	25.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	454.15	-64.1	2.1	-23.4	-1.9	4.2	-3.0	0.0	-3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	440.60	-63.9	1.6	-11.2	-2.0	7.6	13.9	0.0	13.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	437.93	-63.8	2.1	-20.1	-1.8	1.8	8.5	0.0	8.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	425.32	-63.6	2.1	-8.7	-2.3	1.1	11.5	0.0	11.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	440.82	-63.9	2.1	-20.7	-1.6	10.8	17.1	0.0	17.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	428.36	-63.6	2.0	-3.3	-2.1	0.0	24.1	0.0	24.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	433.16	-63.7	1.6	-4.8	-2.2	0.4	18.9	0.0	18.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	418.65	-63.4	2.0	-5.5	-2.1	0.1	20.3	0.0	20.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	437.91	-63.8	2.0	-20.5	-1.6	2.2	9.2	0.0	9.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	448.15	-64.0	2.0	-21.2	-1.7	0.6	5.0	0.0	5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	414.81	-63.3	1.7	-4.8	-2.1	1.7	14.9	0.0	14.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	411.93	-63.3	2.4	0.0	-2.1	0.0	21.8	0.0	21.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	409.60	-63.2	2.5	-0.3	-2.1	2.0	23.5	0.0	23.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	416.15	-63.4	2.5	-14.3	-1.4	0.1	8.4	0.0	8.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	418.61	-63.4	2.6	-17.5	-1.4	0.4	2.4	0.0	2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	435.63	-63.8	1.8	-6.0	-2.2	1.8	13.5	0.0	13.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	433.56	-63.7	2.7	-1.6	-2.2	0.0	20.1	0.0	20.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	430.95	-63.7	2.6	-2.7	-2.1	0.1	19.0	0.0	19.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	437.45	-63.8	2.6	-20.1	-1.6	5.1	7.1	0.0	7.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	440.11	-63.9	2.7	-18.3	-1.4	0.7	1.6	0.0	1.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	431.33	-63.7	1.6	-2.8	-1.9	0.0	22.7	0.0	22.7
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	435.79	-63.8	1.6	-2.8	-1.9	0.0	22.6	0.0	22.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	445.58	-64.0	1.7	-21.5	-0.5	5.9	-3.0	0.0	-3.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	435.72	-63.8	1.7	-20.5	-0.5	2.5	-1.3	0.0	-1.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	427.70	-63.6	1.7	-17.8	-0.3	2.5	4.7	0.0	4.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	431.92	-63.7	1.2	-14.3	-0.3	5.6	5.6	0.0	5.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	418.83	-63.4	1.6	-14.3	-0.3	5.1	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	452.98	-64.1	2.5	-18.6	-0.4	2.1	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	459.37	-64.2	2.5	-19.3	-0.4	2.6	2.7	0.0	2.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	453.68	-64.1	2.5	-17.1	-0.4	0.0	2.3	0.0	2.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	456.56	-64.2	1.7	-19.4	-0.4	3.8	2.1	0.0	2.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	460.07	-64.2	2.5	-18.7	-0.4	0.0	-0.2	0.0	-0.2
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	377.64	-62.5	1.4	-15.5	-0.6	3.2	-1.7	0.0	-1.7
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	414.10	-63.3	1.5	-4.7	-1.0	3.8	36.1	0.0	36.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	384.92	-62.7	1.5	-4.9	-3.1	2.5	27.5	0.0	27.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	399.05	-63.0	1.6	-22.5	-0.9	12.9	-5.5	0.0	-5.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	372.09	-62.4	1.5	-7.4	-1.3	3.8	-0.7	0.0	-0.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	370.56	-62.4	1.3	-4.5	-1.1	2.4	2.2	0.0	2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	397.74	-63.0	1.5	-23.3	-1.0	2.4	-18.4	0.0	-18.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	349.80	-61.9	1.6	-4.3	-1.7	3.2	24.5	0.0	24.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	366.69	-62.3	1.8	-23.1	-1.5	10.1	11.3	0.0	11.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	369.23	-62.3	1.8	-20.2	-1.4	13.9	19.4	0.0	19.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	360.47	-62.1	1.5	-4.8	-1.8	3.2	22.0	0.0	22.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	352.07	-61.9	1.7	-0.5	-1.8	2.7	26.3	0.0	26.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	358.82	-62.1	2.2	0.0	-2.8	2.5	12.1	0.0	12.1
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	370.87	-62.4	1.4	0.0	-1.9	0.0	12.2	0.0	12.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	381.43	-62.6	1.4	-17.8	-0.7	15.5	8.2	0.0	8.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	369.06	-62.3	1.1	-15.0	-0.2	1.0	-8.9	0.0	-8.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	367.63	-62.3	1.4	-9.6	-0.3	0.2	1.3	0.0	1.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	365.78	-62.3	1.4	-15.4	-0.3	0.4	-5.0	0.0	-5.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	372.07	-62.4	1.6	-13.2	-0.2	0.3	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	370.19	-62.4	1.4	-18.3	-0.3	0.7	-7.0	0.0	-7.0
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	364.49	-62.2	1.5	0.0	-2.6	3.6	29.3	0.0	29.3
Receiver R5 FI GF Leq,d 38.7 dB(A) Leq,e 38.1 dB(A) Leq,n 37.9 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0	4.3	23.3
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1	4.3	24.3
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5	3.0	10.8
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	25.0	0.0	25.0
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	0.0	16.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	0.0	2.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	2.3	0.0	2.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	0.0	-3.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	0.0	11.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	0.0	28.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5	-3.0	4.8
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	25.0	0.0	25.0
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	-2.0	14.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	-2.0	0.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	2.3	-2.0	0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	-2.0	-5.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	-6.0	5.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	-6.0	22.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	614.53	-66.8	2.7	-7.4	-3.0	1.2	19.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	562.10	-66.0	2.4	-7.3	-2.8	2.1	20.1		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	639.43	-67.1	2.8	-11.9	-2.0	2.8	8.5		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	556.89	-65.9	1.2	-1.8	-2.9	2.5	25.0	0.0	25.0
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	557.19	-65.9	1.1	-1.0	-2.9	2.8	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	634.69	-67.0	2.5	-7.7	-5.1	1.2	16.6	-3.0	13.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	668.77	-67.5	2.6	-23.9	-5.0	0.8	2.0	-3.0	-1.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	661.94	-67.4	1.7	-7.9	-5.3	1.7	18.5	0.0	18.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	655.01	-67.3	2.5	-24.7	-5.2	2.1	2.3	-3.0	-0.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	689.50	-67.8	2.7	-24.7	-5.4	2.0	-3.3	-3.0	-6.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	693.93	-67.8	3.4	-24.7	-6.2	2.1	11.3	-24.0	-12.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	639.51	-67.1	3.2	-6.7	-5.6	0.0	28.4	-24.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	637.58	-67.1	0.5	-24.6	-1.7	1.9	-32.1	0.0	-32.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	640.21	-67.1	1.3	-10.5	-4.1	2.0	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	681.58	-67.7	0.8	-24.1	-1.8	1.7	-43.4	0.0	-43.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	673.62	-67.6	0.8	-24.3	-1.8	1.8	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	624.81	-66.9	0.5	-23.7	-1.6	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	603.21	-66.6	0.6	-4.6	-1.6	2.0	-15.7	0.0	-15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	635.49	-67.1	1.3	-5.3	-4.2	2.1	10.3	0.0	10.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	677.48	-67.6	0.8	-24.2	-1.8	1.8	-38.7	0.0	-38.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	661.79	-67.4	1.3	-4.7	-4.4	2.2	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	606.57	-66.6	0.5	-23.8	-1.6	1.7	-39.2	0.0	-39.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	594.73	-66.5	0.4	-22.8	-1.6	1.3	-38.4	0.0	-38.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	662.56	-67.4	0.6	-23.9	-1.7	1.6	-34.0	0.0	-34.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	587.59	-66.4	0.5	-4.5	-1.6	2.0	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	597.26	-66.5	1.2	-4.7	-4.0	3.0	4.4	0.0	4.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	595.10	-66.5	0.5	-7.7	-1.6	3.6	-18.0	0.0	-18.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	603.80	-66.6	1.2	-1.3	-4.2	2.0	10.8	0.0	10.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	682.11	-67.7	1.3	-23.7	-4.0	1.6	-16.6	0.0	-16.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	663.13	-67.4	1.3	-22.9	-3.8	1.3	-9.6	0.0	-9.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	678.02	-67.6	1.3	-24.3	-4.2	1.9	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	625.41	-66.9	1.2	-17.2	-3.4	0.4	-4.6	0.0	-4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	595.68	-66.5	1.2	-0.1	-4.1	3.4	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	674.15	-67.6	1.3	-24.5	-4.4	2.0	-17.2	0.0	-17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	638.16	-67.1	1.3	-24.7	-4.2	2.1	-8.6	0.0	-8.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	607.17	-66.7	1.2	-19.6	-3.3	0.7	-11.8	0.0	-11.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	595.36	-66.5	1.2	-13.7	-3.2	0.3	-6.1	0.0	-6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	588.19	-66.4	1.2	0.0	-4.1	2.2	10.0	0.0	10.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	651.89	-67.3	1.1	-22.7	-2.9	1.3	2.2	0.0	2.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	631.17	-67.0	1.1	-21.0	-2.7	0.9	7.6	0.0	7.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	598.54	-66.5	1.1	-3.9	-3.3	2.9	26.0	0.0	26.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	618.69	-66.8	1.2	-3.7	-3.3	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	626.00	-66.9	0.8	-4.7	-3.2	2.2	21.2	0.0	21.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	631.60	-67.0	1.7	-23.9	-3.0	1.7	-10.4	0.0	-10.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	616.24	-66.8	0.8	-7.3	-3.1	2.0	7.3	0.0	7.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	614.60	-66.8	1.6	-19.1	-2.8	1.4	4.8	0.0	4.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	599.61	-66.5	1.5	-10.7	-3.3	3.4	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	615.83	-66.8	1.6	-20.4	-2.5	0.8	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	610.94	-66.7	1.5	-7.6	-3.4	1.5	16.3	0.0	16.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	612.99	-66.7	0.8	-4.5	-3.2	2.2	16.0	0.0	16.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	596.88	-66.5	1.5	-7.5	-3.6	1.7	14.9	0.0	14.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	614.62	-66.8	1.5	-18.7	-2.5	1.7	6.2	0.0	6.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	629.23	-67.0	1.5	-22.6	-2.8	1.3	-0.2	0.0	-0.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	598.10	-66.5	1.5	-6.1	-3.0	2.9	10.5	0.0	10.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	597.13	-66.5	2.2	-4.8	-3.3	2.2	14.6	0.0	14.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	593.13	-66.5	2.1	-5.2	-3.2	2.6	14.5	0.0	14.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	598.82	-66.5	2.2	-24.1	-3.0	1.7	-4.9	0.0	-4.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	602.88	-66.6	2.2	-22.9	-2.7	10.9	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	621.22	-66.9	1.6	-7.4	-3.2	2.3	8.1	0.0	8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	620.42	-66.8	2.3	-4.8	-3.4	2.2	14.4	0.0	14.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	616.23	-66.8	2.3	-10.7	-3.2	2.5	8.8	0.0	8.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	621.87	-66.9	2.3	-23.0	-2.7	4.3	-1.1	0.0	-1.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	626.11	-66.9	2.3	-23.3	-2.9	2.1	-7.0	0.0	-7.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	613.63	-66.8	0.1	-0.8	-2.5	2.2	21.8	0.0	21.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	618.49	-66.8	0.1	-2.4	-2.0	1.5	19.9	0.0	19.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	599.97	-66.6	1.2	-19.4	-0.5	4.9	-5.0	0.0	-5.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	597.75	-66.5	1.2	-20.7	-0.6	1.3	-6.1	0.0	-6.1
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	588.43	-66.4	1.2	-16.4	-0.6	1.1	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	593.25	-66.5	0.4	-12.1	-0.4	4.0	2.4	0.0	2.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	586.93	-66.4	1.1	-17.4	-0.4	0.1	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	631.23	-67.0	1.9	-22.1	-0.8	0.5	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	636.35	-67.1	2.0	-22.1	-0.8	2.1	-4.3	0.0	-4.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	633.90	-67.0	2.0	-21.7	-0.7	0.3	-5.7	0.0	-5.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	635.32	-67.1	1.3	-21.1	-0.6	0.3	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	639.03	-67.1	1.9	-21.9	-0.8	0.3	-6.9	0.0	-6.9
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	552.61	-65.8	0.5	-17.3	-0.9	13.3	2.2	0.0	2.2
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	559.71	-66.0	-0.5	-0.2	-1.6	3.4	35.2	0.0	35.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	545.93	-65.7	1.3	-4.7	-4.4	2.9	23.5	0.0	23.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	562.33	-66.0	0.3	-22.1	-1.4	11.9	-10.8	0.0	-10.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	540.70	-65.7	0.2	-6.2	-1.9	3.0	-5.6	0.0	-5.6	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	529.23	-65.5	0.0	-3.3	-1.7	1.9	-2.2	0.0	-2.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.14	-65.8	0.2	-17.3	-1.3	0.4	-18.8	0.0	-18.8	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	521.59	-65.3	1.3	-4.7	-2.8	2.2	18.2	0.0	18.2	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	534.74	-65.6	1.4	-20.2	-2.3	8.7	8.4	0.0	8.4	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	543.30	-65.7	1.5	-23.2	-2.4	13.2	11.0	0.0	11.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	533.00	-65.5	0.7	-4.5	-2.8	2.6	16.5	0.0	16.5	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	529.38	-65.5	1.4	-4.8	-2.9	2.2	16.6	0.0	16.6	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	537.15	-65.6	2.1	-5.7	-3.4	2.0	1.8	0.0	1.8	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	564.71	-66.0	1.2	-4.6	-2.7	0.0	2.9	0.0	2.9	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	553.84	-65.9	0.6	-18.8	-0.9	11.7	-0.8	0.0	-0.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	545.76	-65.7	0.8	-16.6	-0.3	7.0	-8.3	0.0	-8.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	545.35	-65.7	1.1	-18.9	-0.4	5.9	-6.1	0.0	-6.1	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	542.29	-65.7	1.1	-20.1	-0.5	0.5	-13.5	0.0	-13.5	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	549.19	-65.8	1.2	-19.2	-0.4	11.0	-5.3	0.0	-5.3	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	546.10	-65.7	1.1	-19.8	-0.5	1.9	-11.2	0.0	-11.2	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	536.02	-65.6	1.2	0.0	-3.7	2.6	23.6	0.0	23.6	
Receiver R6 FI GF Leq,d 36.5 dB(A) Leq,e 35.0 dB(A) Leq,n 35.0 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d				66.1	92.3	0	525.79	-65.4	2.8	-2.9	-3.0	0.6	24.4	4.3	28.6	
A - HGVs (leaving site)	Line	Leq,d				66.1	91.6	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3	4.3	27.6	
B - Loader (external movements)	Line	Leq,d				57.2	83.9	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8	3.0	16.3	
D - Exhaust Steam Pipe	Line	Leq,d				75.6	92.0	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	17.3	0.0	17.3	
D - Exhaust Steam Pipe	Line	Leq,d				72.8	92.0	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	18.9	0.0	18.9	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	0.0	-1.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	0.0	-0.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	0.0	0.5	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	0.0	-3.8	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	0.0	10.2	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	0.0	10.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-4.2	1.0	1.8	0.0	1.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	525.79	-65.4	2.8	-2.9	-3.0	0.6	24.4		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8	-3.0	10.3
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	17.3	0.0	17.3
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	18.9	0.0	18.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	-2.0	-3.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	-2.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	-2.0	-1.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	-2.0	-5.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	-6.0	4.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	-6.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-4.2	1.0	1.8	0.0	1.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.7	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,e				89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3
A - HGVs (accessing site)	Line	Leq,n				66.1	92.3	0	525.79	-65.4	2.8	-2.9	-3.0	0.6	24.4		
A - HGVs (leaving site)	Line	Leq,n				66.1	91.6	0	521.42	-65.3	2.8	-3.5	-2.5	0.4	23.3		
B - Loader (external movements)	Line	Leq,n				57.2	83.9	0	649.22	-67.2	3.2	-4.1	-2.5	0.5	13.8		
D - Exhaust Steam Pipe	Line	Leq,n				75.6	92.0	0	615.48	-66.8	1.4	-6.2	-3.1	0.0	17.3	0.0	17.3
D - Exhaust Steam Pipe	Line	Leq,n				72.8	92.0	0	614.66	-66.8	1.3	-4.6	-3.1	0.0	18.9	0.0	18.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	685.96	-67.7	3.1	-24.1	-5.3	0.0	-1.2	-3.0	-4.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	710.23	-68.0	3.1	-24.6	-5.6	0.0	-0.1	-3.0	-3.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	691.72	-67.8	2.1	-24.8	-5.5	0.0	-0.4	0.0	-0.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	673.16	-67.6	3.0	-24.6	-5.3	0.0	0.5	-3.0	-2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	697.36	-67.9	3.1	-23.7	-5.2	0.0	-3.8	-3.0	-6.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	709.85	-68.0	3.8	-24.2	-6.0	0.0	10.2	-24.0	-13.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	697.86	-67.9	3.8	-24.2	-6.0	0.0	10.3	-24.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	635.89	-67.1	0.9	-22.6	-1.6	0.2	-31.3	0.0	-31.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	642.05	-67.1	1.4	-19.5	-4.2	0.0	-9.3	0.0	-9.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	674.63	-67.6	1.1	-20.6	-1.5	0.0	-40.9	0.0	-40.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	649.33	-67.2	1.0	-15.1	-1.4	0.0	-32.0	0.0	-32.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	666.71	-67.5	1.0	-23.6	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	650.69	-67.3	1.0	-18.6	-1.4	0.0	-31.6	0.0	-31.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	655.95	-67.3	1.5	-11.0	-4.3	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	661.99	-67.4	1.1	-19.7	-1.5	0.0	-35.2	0.0	-35.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	670.47	-67.5	1.5	-24.2	-3.9	0.0	-16.4	0.0	-16.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	634.19	-67.0	1.0	-17.9	-1.4	0.2	-34.5	0.0	-34.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	640.49	-67.1	0.9	-18.3	-1.4	0.0	-35.3	0.0	-35.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	674.65	-67.6	1.0	-23.8	-1.8	0.0	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	632.80	-67.0	1.0	0.0	-1.8	0.0	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	634.39	-67.0	1.4	-4.7	-2.5	1.0	1.8	0.0	1.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	627.37	-66.9	1.0	-6.3	-1.9	1.5	-19.0	0.0	-19.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	651.28	-67.3	1.5	-15.3	-3.7	0.0	-5.1	0.0	-5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	675.18	-67.6	1.5	-19.2	-3.6	0.0	-13.1	0.0	-13.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	675.20	-67.6	1.5	-24.4	-4.3	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	662.55	-67.4	1.5	-16.9	-3.5	0.0	-8.9	0.0	-8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	667.28	-67.5	1.5	-23.7	-4.0	0.0	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	627.94	-67.0	1.4	0.0	-4.3	1.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	649.90	-67.2	1.4	-11.9	-3.6	0.0	-5.4	0.0	-5.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	636.47	-67.1	1.4	-14.4	-4.2	0.0	-0.2	0.0	-0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	634.64	-67.0	1.4	-9.3	-3.7	0.0	-2.8	0.0	-2.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	641.07	-67.1	1.4	-20.0	-3.5	0.0	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	633.35	-67.0	1.4	0.0	-4.3	0.0	7.1	0.0	7.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	617.24	-66.8	1.2	-16.2	-2.4	0.0	8.4	0.0	8.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	634.63	-67.0	1.3	-24.2	-3.1	0.1	3.3	0.0	3.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	605.30	-66.6	1.4	-2.2	-3.3	1.8	26.6	0.0	26.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	588.21	-66.4	1.3	-3.6	-3.2	0.9	25.4	0.0	25.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	612.37	-66.7	0.9	-5.3	-3.2	0.0	18.8	0.0	18.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	576.07	-66.2	1.8	-20.6	-2.3	1.3	-6.0	0.0	-6.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	572.71	-66.2	0.9	-18.0	-2.4	11.7	7.8	0.0	7.8



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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	569.51	-66.1	1.8	-21.9	-2.6	2.7	4.3	0.0	4.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	569.12	-66.1	1.8	-7.0	-3.1	2.4	11.0	0.0	11.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	575.32	-66.2	1.8	-22.4	-2.6	7.5	8.6	0.0	8.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	547.74	-65.8	1.5	-2.5	-3.0	0.0	21.3	0.0	21.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	558.64	-65.9	0.9	-5.4	-3.0	2.4	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	555.21	-65.9	1.7	-4.9	-3.0	1.3	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	569.31	-66.1	1.7	-22.3	-2.5	3.3	5.1	0.0	5.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	562.24	-66.0	1.7	-16.1	-2.2	0.2	7.0	0.0	7.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	536.41	-65.6	1.6	-4.7	-3.0	2.1	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	531.56	-65.5	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	535.13	-65.6	2.4	0.0	-3.0	2.2	20.5	0.0	20.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	541.09	-65.7	2.4	-18.4	-2.0	3.7	4.8	0.0	4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	537.50	-65.6	2.4	-9.3	-2.3	0.1	7.1	0.0	7.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	542.03	-65.7	1.6	-4.7	-3.0	2.4	12.4	0.0	12.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	537.17	-65.6	2.4	0.0	-3.0	0.0	18.7	0.0	18.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	540.65	-65.7	2.4	0.0	-3.0	0.0	18.5	0.0	18.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	546.68	-65.7	2.4	-18.3	-2.0	11.6	12.8	0.0	12.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	543.17	-65.7	2.4	-11.2	-2.2	0.1	5.4	0.0	5.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	545.78	-65.7	0.2	-1.6	-2.4	0.0	20.0	0.0	20.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	546.95	-65.8	0.2	-1.8	-2.5	0.0	19.7	0.0	19.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	627.83	-66.9	1.7	-14.9	-0.4	1.5	-3.6	0.0	-3.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	604.59	-66.6	1.7	-12.4	-0.4	0.5	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	603.21	-66.6	1.7	-3.9	-1.0	1.7	14.0	0.0	14.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	603.66	-66.6	0.6	-4.4	-1.3	3.1	8.5	0.0	8.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	581.12	-66.3	1.6	-3.6	-1.0	0.4	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	573.11	-66.2	2.1	-13.4	-0.3	0.3	6.0	0.0	6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	580.34	-66.3	2.1	-17.7	-0.4	2.6	1.8	0.0	1.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	567.89	-66.1	2.1	-6.5	-0.6	0.1	10.4	0.0	10.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	574.16	-66.2	1.5	-10.8	-0.9	1.1	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	575.06	-66.2	2.1	-8.8	-0.4	0.1	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	543.33	-65.7	0.8	0.0	-1.8	1.0	6.6	0.0	6.6
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	626.66	-66.9	-0.3	-3.4	-1.6	0.0	27.6	0.0	27.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	579.42	-66.3	1.5	-4.7	-4.7	0.0	20.0	0.0	20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	581.45	-66.3	0.8	-10.2	-1.4	0.0	-10.6	0.0	-10.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	556.30	-65.9	0.6	-4.4	-1.8	0.0	-6.4	0.0	-6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	576.44	-66.2	0.3	0.0	-1.8	0.0	-1.3	0.0	-1.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	602.89	-66.6	0.7	-20.4	-1.4	0.0	-22.7	0.0	-22.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	538.36	-65.6	1.6	0.0	-3.0	0.0	20.6	0.0	20.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	554.94	-65.9	1.9	-20.8	-2.3	1.5	0.8	0.0	0.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	541.48	-65.7	2.0	-10.1	-2.3	0.1	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	540.22	-65.6	0.9	-4.5	-2.9	2.1	16.0	0.0	16.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	525.30	-65.4	1.8	-2.4	-2.9	0.0	17.2	0.0	17.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	526.25	-65.4	2.7	-1.3	-3.6	0.0	4.7	0.0	4.7
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	486.51	-64.7	1.2	-3.3	-2.1	0.0	6.1	0.0	6.1
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	551.48	-65.8	1.0	-2.2	-1.7	1.5	5.1	0.0	5.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	534.80	-65.6	1.1	-4.8	-1.1	0.8	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	531.74	-65.5	1.9	-0.2	-1.2	0.0	6.9	0.0	6.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	533.98	-65.5	1.9	-6.2	-0.7	0.1	0.6	0.0	0.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	535.23	-65.6	1.9	-5.5	-0.7	0.1	-1.8	0.0	-1.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	537.49	-65.6	1.9	-12.0	-0.3	1.3	-2.9	0.0	-2.9
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	546.69	-65.7	1.4	0.0	-3.8	2.4	23.3	0.0	23.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R7 FI GF Leq,d 44.3 dB(A) Leq,e 43.1 dB(A) Leq,n 42.7 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5	4.3	24.8
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6	4.3	28.9
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0	3.0	17.5
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	33.2	0.0	33.2
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	32.6	0.0	32.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	0.0	25.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	0.0	24.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	0.0	18.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	0.0	3.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	0.0	18.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	0.0	38.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0	-3.0	11.4
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	33.2	0.0	33.2
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	32.6	0.0	32.6

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	-2.0	23.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	-2.0	22.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	-2.0	16.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	-2.0	1.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	-6.0	12.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	-6.0	32.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	478.42	-64.6	2.8	-10.0	-2.2	2.2	20.5		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	415.05	-63.4	2.5	-6.9	-2.0	2.8	24.6		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	442.42	-63.9	2.8	-9.7	-1.2	3.1	15.0		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	371.87	-62.4	1.2	-0.1	-2.0	4.5	33.2	0.0	33.2
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	370.84	-62.4	1.2	0.0	-2.0	3.9	32.6	0.0	32.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	426.29	-63.6	2.2	-5.3	-3.4	2.4	25.2	-3.0	22.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	454.82	-64.1	2.4	-20.0	-3.2	14.8	24.8	-3.0	21.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	454.92	-64.2	1.5	-6.3	-3.6	4.0	27.0	0.0	27.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	454.88	-64.2	2.3	-19.3	-3.2	7.6	18.3	-3.0	15.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	485.11	-64.7	2.4	-23.6	-3.7	2.9	3.3	-3.0	0.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	485.10	-64.7	3.3	-24.3	-4.6	3.7	18.0	-24.0	-6.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	426.26	-63.6	3.1	-2.8	-4.1	1.1	38.2	-24.0	14.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	451.40	-64.1	0.1	-24.3	-1.2	2.4	-28.1	0.0	-28.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	452.26	-64.1	1.3	-6.2	-2.9	2.5	10.6	0.0	10.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	485.53	-64.7	0.5	-23.4	-1.3	2.0	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	487.33	-64.7	0.6	-23.9	-1.3	2.1	-36.5	0.0	-36.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	422.96	-63.5	0.4	-4.4	-1.1	3.3	-9.1	0.0	-9.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	405.84	-63.2	0.3	-4.3	-1.1	2.1	-11.6	0.0	-11.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	440.70	-63.9	1.3	-5.6	-2.9	2.5	14.7	0.0	14.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	486.23	-64.7	0.5	-23.1	-1.2	1.9	-34.4	0.0	-34.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	464.51	-64.3	1.3	-6.0	-3.0	2.5	8.2	0.0	8.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	417.51	-63.4	0.3	-22.0	-1.0	1.5	-33.9	0.0	-33.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	401.19	-63.1	0.3	-3.6	-1.1	4.2	-12.5	0.0	-12.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	463.20	-64.3	0.6	-8.2	-1.2	0.1	-16.1	0.0	-16.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	396.85	-63.0	0.3	-2.8	-1.1	2.7	-11.9	0.0	-11.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	407.63	-63.2	1.2	-5.1	-2.8	2.5	8.0	0.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	407.72	-63.2	-0.1	-8.0	-1.0	0.1	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	406.70	-63.2	1.3	-1.7	-3.0	2.7	15.8	0.0	15.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	486.27	-64.7	1.4	-20.7	-2.8	1.0	-10.1	0.0	-10.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	463.96	-64.3	1.3	-2.4	-3.4	2.2	15.3	0.0	15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	486.98	-64.7	1.4	-23.7	-3.0	2.0	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	423.79	-63.5	1.3	-1.6	-3.1	2.9	17.2	0.0	17.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	408.64	-63.2	1.2	-9.9	-2.5	0.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	488.07	-64.8	1.4	-24.1	-3.1	2.1	-12.6	0.0	-12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	452.23	-64.1	1.3	-24.2	-2.9	2.1	-3.7	0.0	-3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	418.36	-63.4	1.3	-22.5	-2.5	1.5	-9.8	0.0	-9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	402.06	-63.1	1.2	-0.9	-3.0	5.3	15.4	0.0	15.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	397.71	-63.0	1.2	-0.1	-2.9	2.5	14.8	0.0	14.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	477.07	-64.6	1.0	-24.0	-2.4	2.1	4.8	0.0	4.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	445.28	-64.0	0.9	-7.0	-2.5	2.1	25.8	0.0	25.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	422.71	-63.5	1.0	-2.9	-2.4	2.6	30.4	0.0	30.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	453.27	-64.1	0.9	-17.8	-1.8	0.6	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	450.85	-64.1	0.8	-6.1	-2.2	2.5	24.0	0.0	24.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	473.13	-64.5	1.5	-23.3	-2.3	3.8	-4.6	0.0	-4.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	457.59	-64.2	0.8	-11.4	-1.7	4.4	9.6	0.0	9.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	457.85	-64.2	1.4	-22.6	-2.1	3.7	6.6	0.0	6.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	441.62	-63.9	1.4	-20.1	-1.7	2.4	1.1	0.0	1.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	456.25	-64.2	1.5	-18.5	-1.7	1.5	9.0	0.0	9.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	464.35	-64.3	1.3	-21.9	-2.0	1.2	5.4	0.0	5.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	461.56	-64.3	0.8	-5.1	-2.4	2.5	19.0	0.0	19.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	445.61	-64.0	1.3	-15.8	-1.8	1.5	10.6	0.0	10.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	458.02	-64.2	1.3	-17.2	-1.9	1.0	10.1	0.0	10.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	477.19	-64.6	1.4	-23.6	-2.3	1.9	2.1	0.0	2.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	456.12	-64.2	1.2	-19.5	-1.7	2.5	0.0	0.0	0.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	457.48	-64.2	2.1	-22.6	-2.1	1.5	-0.5	0.0	-0.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	451.39	-64.1	2.0	-18.8	-1.7	1.3	3.4	0.0	3.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	454.49	-64.1	2.1	-23.7	-2.3	1.9	-1.3	0.0	-1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	460.62	-64.3	2.1	-23.7	-2.3	2.0	-4.4	0.0	-4.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	478.36	-64.6	1.4	-23.7	-2.3	2.4	-5.0	0.0	-5.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	479.71	-64.6	2.1	-23.4	-2.4	1.8	-1.6	0.0	-1.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	473.44	-64.5	2.1	-22.9	-2.2	1.7	-1.0	0.0	-1.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	476.65	-64.6	2.1	-22.5	-2.2	1.4	-0.9	0.0	-0.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	482.96	-64.7	2.2	-23.9	-2.5	2.0	-5.0	0.0	-5.0
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	473.27	-64.5	0.2	-1.8	-2.2	2.5	23.7	0.0	23.7
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	477.89	-64.6	0.2	-1.9	-2.2	2.5	23.4	0.0	23.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	413.04	-63.3	0.8	-20.1	-0.4	1.8	-5.8	0.0	-5.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	421.73	-63.5	1.0	-17.9	-0.3	2.8	1.2	0.0	1.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	412.20	-63.3	1.0	-8.9	-0.9	3.0	13.2	0.0	13.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	417.12	-63.4	0.3	-6.9	-0.9	5.3	11.4	0.0	11.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	421.69	-63.5	1.0	-19.8	-0.4	3.2	-4.2	0.0	-4.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	474.19	-64.5	1.9	-21.0	-0.6	2.1	1.4	0.0	1.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	476.47	-64.6	1.9	-18.8	-0.4	2.5	2.2	0.0	2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	479.68	-64.6	1.9	-21.8	-0.6	1.5	-2.2	0.0	-2.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	478.11	-64.6	1.1	-20.8	-0.5	2.6	-1.6	0.0	-1.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	481.94	-64.7	1.9	-21.0	-0.6	2.0	-1.7	0.0	-1.7
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	404.90	-63.1	0.2	-15.6	-0.7	2.9	-3.9	0.0	-3.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	369.48	-62.3	-0.5	-0.4	-1.1	4.1	39.7	0.0	39.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	378.85	-62.6	1.3	-5.0	-3.1	3.7	28.6	0.0	28.6
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	394.90	-62.9	0.1	-21.5	-1.0	13.1	-5.8	0.0	-5.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	385.50	-62.7	0.1	-15.1	-0.9	4.5	-9.2	0.0	-9.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	362.64	-62.2	-0.2	-1.2	-1.2	2.4	4.0	0.0	4.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	371.67	-62.4	0.1	-2.2	-1.2	3.6	2.9	0.0	2.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	375.92	-62.5	1.1	0.0	-2.2	2.5	26.6	0.0	26.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	380.23	-62.6	1.1	-15.3	-1.5	4.3	12.2	0.0	12.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	396.22	-63.0	1.3	-22.4	-1.8	2.3	4.1	0.0	4.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	386.18	-62.7	0.7	-5.1	-2.1	2.6	19.3	0.0	19.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	391.20	-62.8	1.2	-16.1	-1.6	0.5	7.3	0.0	7.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	398.32	-63.0	1.6	-19.0	-1.9	0.6	-9.3	0.0	-9.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	447.12	-64.0	1.0	-3.2	-2.0	1.8	8.7	0.0	8.7
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	401.83	-63.1	0.3	-21.9	-0.8	2.8	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	402.64	-63.1	0.5	-15.9	-0.2	2.0	-10.2	0.0	-10.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	403.61	-63.1	1.0	-16.9	-0.3	1.1	-6.2	0.0	-6.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	399.29	-63.0	1.0	-17.2	-0.3	1.1	-7.2	0.0	-7.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	405.63	-63.2	1.1	-16.8	-0.3	3.1	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	401.28	-63.1	1.0	-16.2	-0.3	2.4	-4.2	0.0	-4.2
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	386.44	-62.7	1.2	-0.8	-2.9	2.5	26.3	0.0	26.3
Receiver R8 FI GF Leq,d 37.0 dB(A) Leq,e 36.0 dB(A) Leq,n 35.7 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1	4.3	17.4
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9	4.3	21.1
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5	3.0	11.0
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	26.3	0.0	26.3
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	0.0	20.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	0.0	23.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	0.0	7.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	0.0	1.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	0.0	13.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	0.0	29.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5			665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5			669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3



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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5	-3.0	5.0
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	26.3	0.0	26.3
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	-2.0	18.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	-2.0	21.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	-2.0	4.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	-2.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	-6.0	7.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	-6.0	23.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	171.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	663.42	-67.4	2.8	-12.3	-3.1	0.8	13.1		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	601.38	-66.6	2.6	-11.0	-2.8	3.1	16.9		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	587.53	-66.4	2.6	-14.5	-1.2	4.0	8.5		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	544.52	-65.7	1.2	-4.6	-2.8	6.3	26.3	0.0	26.3
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	544.37	-65.7	1.2	-4.6	-2.8	6.1	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	552.27	-65.8	2.3	-7.7	-4.4	3.7	20.8	-3.0	17.8
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	566.12	-66.1	2.2	-7.2	-4.5	4.2	23.6	-3.0	20.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	576.42	-66.2	1.5	-11.5	-3.9	9.0	24.4	0.0	24.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	586.47	-66.4	2.4	-24.4	-4.5	4.8	7.0	-3.0	4.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	602.00	-66.6	2.3	-24.1	-4.6	4.7	1.7	-3.0	-1.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.9	-24.5	-5.5	2.3	13.3	-24.0	-10.7
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	545.13	-65.7	2.8	-15.3	-3.9	6.8	29.3	-24.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	603.16	-66.6	0.5	-24.6	-1.6	2.3	-31.1	0.0	-31.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	600.92	-66.6	1.3	-5.0	-4.0	4.4	10.2	0.0	10.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	614.51	-66.8	0.6	-23.8	-1.6	3.3	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	628.96	-67.0	0.7	-24.3	-1.7	1.1	-40.3	0.0	-40.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	560.22	-66.0	0.6	-8.8	-1.4	3.1	-16.3	0.0	-16.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	553.24	-65.9	0.6	-8.5	-1.3	3.7	-16.9	0.0	-16.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	582.68	-66.3	1.3	-5.0	-3.9	3.6	13.1	0.0	13.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	621.57	-66.9	0.6	-24.2	-1.7	1.1	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	597.30	-66.5	1.3	-6.0	-3.8	3.6	6.3	0.0	6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	572.61	-66.1	0.5	-23.2	-1.5	0.9	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	555.15	-65.9	0.6	-5.2	-1.5	3.6	-17.7	0.0	-17.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	593.31	-66.5	0.6	-10.1	-1.5	0.1	-20.6	0.0	-20.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	555.60	-65.9	0.5	-5.4	-1.5	2.8	-17.4	0.0	-17.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	564.50	-66.0	1.2	-5.5	-3.7	3.2	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	568.01	-66.1	0.4	-23.0	-1.4	11.7	-24.8	0.0	-24.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	553.93	-65.9	1.2	-5.0	-3.7	5.8	12.2	0.0	12.2

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	615.09	-66.8	1.3	-23.0	-3.6	3.6	-12.8	0.0	-12.8
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	593.91	-66.5	1.2	-4.6	-4.0	2.7	10.9	0.0	10.9
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	622.17	-66.9	1.3	-23.7	-3.7	1.8	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	560.86	-66.0	1.2	-4.2	-3.7	3.5	12.1	0.0	12.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	568.68	-66.1	1.2	-23.5	-3.4	1.6	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	629.54	-67.0	1.3	-23.8	-3.8	1.8	-15.5	0.0	-15.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	603.80	-66.6	1.3	-23.8	-3.7	2.3	-6.6	0.0	-6.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	573.25	-66.2	1.3	-23.7	-3.5	1.7	-14.4	0.0	-14.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	555.78	-65.9	1.2	-4.5	-3.7	7.1	10.0	0.0	10.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	556.24	-65.9	1.2	-4.6	-3.7	3.9	7.9	0.0	7.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	634.53	-67.0	1.1	-23.5	-2.9	1.3	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	597.96	-66.5	1.1	-9.5	-3.5	0.1	17.9	0.0	17.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	591.65	-66.4	1.1	-6.9	-3.3	2.9	23.0	0.0	23.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	627.87	-66.9	1.1	-23.3	-2.9	8.3	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	613.94	-66.8	0.8	-4.7	-3.1	1.7	21.0	0.0	21.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	650.13	-67.3	1.8	-24.4	-3.3	3.2	-9.9	0.0	-9.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.20	-67.1	0.8	-17.1	-2.5	6.0	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	639.86	-67.1	1.6	-24.1	-3.2	4.3	2.0	0.0	2.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	625.92	-66.9	1.7	-20.0	-2.4	3.7	-1.0	0.0	-1.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	635.87	-67.1	1.6	-20.5	-3.1	2.5	3.9	0.0	3.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	655.29	-67.3	1.6	-24.0	-3.1	1.4	-0.3	0.0	-0.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	648.02	-67.2	0.8	-7.9	-3.0	1.6	11.9	0.0	11.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	635.69	-67.1	1.6	-16.3	-2.5	2.4	7.4	0.0	7.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	640.11	-67.1	1.5	-20.3	-3.0	1.5	3.6	0.0	3.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	659.92	-67.4	1.6	-24.5	-3.4	1.7	-2.7	0.0	-2.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	652.87	-67.3	1.7	-24.0	-3.0	1.5	-9.5	0.0	-9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	656.15	-67.3	2.4	-23.8	-3.2	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	649.40	-67.2	2.3	-23.8	-3.1	1.3	-5.8	0.0	-5.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	649.48	-67.2	2.4	-23.9	-3.2	1.5	-5.7	0.0	-5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	656.24	-67.3	2.4	-24.2	-3.3	1.6	-9.0	0.0	-9.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	669.74	-67.5	1.8	-24.2	-3.3	1.5	-10.0	0.0	-10.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	673.03	-67.6	2.5	-24.1	-3.3	1.2	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	666.01	-67.5	2.4	-24.2	-3.3	1.2	-6.6	0.0	-6.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	666.31	-67.5	2.5	-24.4	-3.4	1.6	-6.4	0.0	-6.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	673.33	-67.6	2.5	-24.4	-3.4	1.6	-9.4	0.0	-9.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	665.48	-67.5	0.2	-0.7	-2.7	0.0	18.8	0.0	18.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	669.02	-67.5	0.2	-0.9	-2.7	0.0	18.5	0.0	18.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	572.18	-66.1	1.1	-20.7	-0.7	0.2	-10.7	0.0	-10.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	591.00	-66.4	1.3	-19.5	-0.6	0.6	-5.3	0.0	-5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	583.70	-66.3	1.3	-8.1	-1.0	0.7	8.7	0.0	8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	587.42	-66.4	0.4	-8.6	-0.7	3.0	4.8	0.0	4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	603.24	-66.6	1.3	-20.4	-0.6	1.8	-9.2	0.0	-9.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	652.50	-67.3	2.0	-22.9	-1.0	1.2	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	651.35	-67.3	2.1	-22.6	-0.9	2.8	-4.4	0.0	-4.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	659.78	-67.4	2.1	-23.1	-1.0	0.4	-7.6	0.0	-7.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	655.58	-67.3	1.4	-22.5	-0.9	1.4	-7.4	0.0	-7.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	658.61	-67.4	2.1	-22.7	-1.0	0.3	-8.0	0.0	-8.0
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	607.69	-66.7	0.6	-22.8	-1.4	0.4	-17.5	0.0	-17.5
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	536.61	-65.6	-0.5	-3.8	-1.4	3.1	31.8	0.0	31.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	569.36	-66.1	1.3	-6.0	-4.4	3.0	21.9	0.0	21.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	580.46	-66.3	0.4	-22.2	-1.5	9.2	-13.9	0.0	-13.9

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	586.83	-66.4	0.3	-22.5	-1.5	0.4	-24.7	0.0	-24.7	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	557.95	-65.9	0.1	-5.0	-1.6	0.8	-5.2	0.0	-5.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.98	-65.8	0.3	-4.9	-1.6	2.1	-5.0	0.0	-5.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	587.79	-66.4	1.4	-6.4	-3.0	1.3	14.6	0.0	14.6	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	583.18	-66.3	1.5	-21.2	-3.0	0.6	-2.1	0.0	-2.1	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	601.57	-66.6	1.6	-24.3	-3.0	1.0	-3.6	0.0	-3.6	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	594.76	-66.5	0.9	-9.8	-2.6	1.4	9.4	0.0	9.4	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	606.16	-66.6	1.5	-23.4	-2.8	0.7	-4.3	0.0	-4.3	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.1	-24.3	-3.8	0.5	-19.8	0.0	-19.8	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	666.49	-67.5	1.4	-12.8	-1.2	0.5	-4.6	0.0	-4.6	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	601.38	-66.6	0.7	-22.5	-1.5	0.7	-16.8	0.0	-16.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	609.90	-66.7	0.9	-19.8	-0.5	0.1	-19.5	0.0	-19.5	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	612.13	-66.7	1.3	-21.3	-0.7	0.1	-15.4	0.0	-15.4	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	607.70	-66.7	1.3	-21.9	-0.8	0.2	-16.8	0.0	-16.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	612.04	-66.7	1.4	-21.0	-0.7	1.3	-17.8	0.0	-17.8	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	607.61	-66.7	1.2	-21.2	-0.7	0.1	-15.4	0.0	-15.4	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	592.06	-66.4	1.2	-5.4	-3.8	1.7	16.4	0.0	16.4	
Receiver R8 F1 F1 Leq,d 38.4 dB(A) Leq,e 37.2 dB(A) Leq,n 36.8 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d				66.1	92.3	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0	4.3	19.3	
A - HGVs (leaving site)	Line	Leq,d				66.1	91.6	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2	4.3	23.4	
B - Loader (external movements)	Line	Leq,d				57.2	83.9	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6	3.0	13.0	
D - Exhaust Steam Pipe	Line	Leq,d				75.6	92.0	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	26.9	0.0	26.9	
D - Exhaust Steam Pipe	Line	Leq,d				72.8	92.0	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	26.7	0.0	26.7	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	0.0	21.6	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	0.0	24.0	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	0.0	7.1	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	0.0	1.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	0.0	13.4	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	0.0	32.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	-2.7	0.4	-6.0	0.0	-6.0	

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6	-3.0	7.0
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	26.9	0.0	26.9
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	26.7	0.0	26.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	-2.0	19.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	-2.0	22.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	-2.0	5.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	-2.0	-0.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	-6.0	7.5
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	-6.0	26.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	-2.7	0.4	-6.0	0.0	-6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6



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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	663.42	-67.4	3.5	-11.1	-2.8	0.6	15.0		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	601.39	-66.6	3.3	-9.5	-2.5	2.8	19.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	587.22	-66.4	3.2	-12.7	-1.3	3.8	10.6		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	544.42	-65.7	1.6	-4.6	-2.7	6.5	26.9	0.0	26.9
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	544.26	-65.7	1.5	-4.6	-2.7	6.2	26.7	0.0	26.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	552.25	-65.8	2.3	-6.9	-4.2	3.5	21.6	-3.0	18.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	566.09	-66.0	2.2	-6.3	-4.3	3.5	24.0	-3.0	21.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	576.35	-66.2	1.6	-6.2	-4.3	5.6	26.1	0.0	26.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	586.44	-66.4	2.4	-24.3	-4.2	4.6	7.1	-3.0	4.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	601.98	-66.6	2.3	-23.8	-4.2	4.4	1.9	-3.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	595.50	-66.5	2.8	-24.4	-5.1	2.1	13.4	-24.0	-10.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	545.12	-65.7	2.8	-11.3	-3.9	5.5	32.0	-24.0	8.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	603.12	-66.6	2.0	-24.8	-1.5	2.1	-30.0	0.0	-30.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	600.77	-66.6	1.6	-4.8	-3.8	4.3	10.7	0.0	10.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	614.47	-66.8	2.0	-24.0	-1.5	2.9	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	628.92	-67.0	2.1	-24.4	-1.5	0.9	-39.1	0.0	-39.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	560.17	-66.0	2.0	-8.6	-1.3	2.8	-14.9	0.0	-14.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	553.20	-65.8	2.0	-8.1	-1.3	3.2	-15.4	0.0	-15.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	582.53	-66.3	1.6	-4.8	-3.7	3.4	13.6	0.0	13.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	621.53	-66.9	2.1	-24.4	-1.5	0.8	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	597.15	-66.5	1.6	-4.8	-3.8	3.1	7.3	0.0	7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	572.57	-66.1	2.0	-23.2	-1.3	0.6	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	555.11	-65.9	2.0	-5.0	-1.4	3.6	-15.9	0.0	-15.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	593.27	-66.5	2.0	-10.2	-1.5	0.1	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	555.56	-65.9	2.0	-5.1	-1.4	2.4	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	564.30	-66.0	1.6	-4.8	-3.6	2.8	5.3	0.0	5.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	567.97	-66.1	1.8	-23.1	-1.3	11.4	-23.7	0.0	-23.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	553.80	-65.9	1.6	-3.7	-3.9	4.6	12.6	0.0	12.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	614.98	-66.8	1.6	-21.6	-3.1	2.7	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	593.79	-66.5	1.6	-4.6	-3.8	4.7	13.3	0.0	13.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	622.06	-66.9	1.6	-23.4	-3.4	1.5	-13.0	0.0	-13.0
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	560.73	-66.0	1.6	-2.8	-4.0	3.8	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	568.56	-66.1	1.6	-17.9	-2.7	0.4	-6.0	0.0	-6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	629.42	-67.0	1.6	-23.5	-3.4	1.5	-14.8	0.0	-14.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	603.68	-66.6	1.6	-23.8	-3.5	1.9	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	573.12	-66.2	1.6	-22.9	-3.1	1.3	-13.4	0.0	-13.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	555.66	-65.9	1.6	-3.6	-3.8	6.5	10.5	0.0	10.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	556.13	-65.9	1.6	-3.5	-3.9	4.2	9.6	0.0	9.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	634.44	-67.0	1.8	-23.4	-2.6	0.0	1.5	0.0	1.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	597.87	-66.5	1.8	-7.1	-3.1	0.0	21.4	0.0	21.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	591.55	-66.4	1.8	-5.0	-3.1	1.9	24.8	0.0	24.8
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	627.78	-66.9	1.8	-21.5	-2.3	6.2	13.6	0.0	13.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	613.74	-66.8	1.6	-4.9	-2.9	0.0	20.1	0.0	20.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	650.10	-67.3	2.4	-24.4	-2.9	1.8	-10.2	0.0	-10.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.12	-67.1	1.6	-13.1	-2.8	4.7	5.1	0.0	5.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	639.83	-67.1	2.3	-24.0	-2.7	3.1	1.9	0.0	1.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	625.88	-66.9	2.3	-15.1	-2.2	2.5	3.6	0.0	3.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	635.83	-67.1	2.2	-20.0	-2.7	2.0	4.9	0.0	4.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	655.25	-67.3	2.3	-23.8	-2.7	0.9	0.4	0.0	0.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	647.93	-67.2	1.6	-6.7	-3.0	1.1	13.3	0.0	13.3
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	635.65	-67.1	2.3	-12.6	-2.6	1.1	10.4	0.0	10.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	640.06	-67.1	2.1	-18.6	-2.8	0.6	5.2	0.0	5.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	659.88	-67.4	2.3	-24.5	-3.0	0.0	-3.3	0.0	-3.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	652.83	-67.3	2.3	-23.4	-2.5	1.1	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	656.14	-67.3	3.0	-23.6	-2.7	1.1	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	649.39	-67.2	3.0	-23.5	-2.7	1.0	-4.8	0.0	-4.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	649.46	-67.2	3.0	-23.8	-2.7	1.2	-4.7	0.0	-4.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	656.22	-67.3	3.0	-24.0	-2.8	1.3	-8.1	0.0	-8.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	669.71	-67.5	2.4	-24.1	-2.8	1.1	-9.2	0.0	-9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	673.02	-67.6	3.1	-24.0	-2.9	1.0	-5.4	0.0	-5.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	666.00	-67.5	3.1	-24.1	-2.9	1.0	-5.6	0.0	-5.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	666.29	-67.5	3.1	-24.3	-2.9	0.8	-5.9	0.0	-5.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	673.32	-67.6	3.1	-24.3	-2.9	0.8	-9.1	0.0	-9.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	665.15	-67.5	1.6	-1.4	-2.4	0.0	19.9	0.0	19.9
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	668.69	-67.5	1.6	-1.6	-2.5	0.0	19.5	0.0	19.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	572.15	-66.1	1.9	-20.6	-0.6	0.2	-10.0	0.0	-10.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	590.97	-66.4	2.0	-19.7	-0.6	0.7	-4.8	0.0	-4.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	583.68	-66.3	2.0	-7.9	-1.0	0.6	9.5	0.0	9.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	587.36	-66.4	1.2	-6.9	-1.0	2.7	6.6	0.0	6.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	603.21	-66.6	2.0	-20.1	-0.6	1.6	-8.4	0.0	-8.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	652.49	-67.3	2.8	-23.1	-1.0	0.9	-4.1	0.0	-4.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	651.34	-67.3	2.8	-22.7	-0.9	2.7	-3.9	0.0	-3.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	659.77	-67.4	2.8	-23.3	-1.0	0.1	-7.3	0.0	-7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	655.56	-67.3	2.2	-22.8	-0.9	1.2	-7.0	0.0	-7.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	658.60	-67.4	2.8	-22.9	-1.0	0.0	-7.8	0.0	-7.8
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	607.65	-66.7	1.8	-22.2	-1.2	0.3	-15.6	0.0	-15.6
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	536.50	-65.6	1.5	-4.7	-1.3	3.1	32.9	0.0	32.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	569.25	-66.1	1.5	-4.8	-4.5	2.4	22.8	0.0	22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	580.41	-66.3	1.8	-22.0	-1.3	9.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	586.78	-66.4	1.8	-22.2	-1.3	0.3	-22.8	0.0	-22.8
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	557.90	-65.9	1.5	-5.2	-1.5	0.6	-3.9	0.0	-3.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	551.93	-65.8	1.7	-4.9	-1.5	1.8	-3.7	0.0	-3.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	587.77	-66.4	2.0	-5.7	-2.7	1.0	15.8	0.0	15.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	583.15	-66.3	2.1	-20.9	-2.6	0.4	-1.0	0.0	-1.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	601.54	-66.6	2.2	-24.2	-2.6	0.8	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	594.70	-66.5	1.5	-7.4	-2.8	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	606.14	-66.6	2.1	-23.0	-2.4	0.6	-3.2	0.0	-3.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	610.60	-66.7	2.9	-24.2	-3.1	0.4	-18.3	0.0	-18.3
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	666.45	-67.5	2.1	-11.9	-1.3	0.4	-3.2	0.0	-3.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	601.34	-66.6	1.9	-22.5	-1.3	0.5	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	609.87	-66.7	1.6	-18.9	-0.4	0.1	-17.8	0.0	-17.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	612.11	-66.7	2.0	-21.0	-0.6	0.1	-14.4	0.0	-14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	607.69	-66.7	2.0	-21.4	-0.7	0.1	-15.5	0.0	-15.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	612.03	-66.7	2.1	-20.8	-0.6	2.4	-15.6	0.0	-15.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	607.60	-66.7	1.9	-20.6	-0.6	0.1	-14.0	0.0	-14.0
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	591.97	-66.4	1.5	-4.7	-3.8	1.5	17.1	0.0	17.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R9 FI GF Leq,d 30.4 dB(A) Leq,e 29.0 dB(A) Leq,n 28.8 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9	4.3	21.2
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4	4.3	19.7
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7	3.0	5.2
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-1.7	0.0	-1.7
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	1.4	0.0	1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	0.0	-2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	0.0	0.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	0.0	1.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	0.0	11.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	0.0	19.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	0.0	9.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7	-3.0	-0.8
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-1.7	0.0	-1.7
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	1.4	0.0	1.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	-2.0	-4.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	-2.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	-2.0	-0.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	-2.0	9.3
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	-6.0	14.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	-6.0	3.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	597.85	-66.5	2.0	-9.2	-2.8	1.0	16.9		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	657.68	-67.4	2.8	-9.0	-3.0	0.4	15.4		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	636.58	-67.1	2.3	-17.8	-1.1	2.5	2.7		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	699.23	-67.9	1.3	-24.0	-3.4	0.2	-1.7	0.0	-1.7
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	699.08	-67.9	1.3	-24.0	-3.3	3.4	1.4	0.0	1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	678.81	-67.6	2.5	-24.9	-5.5	0.2	-2.5	-3.0	-5.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	665.93	-67.5	2.5	-24.8	-5.2	0.9	0.9	-3.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	654.99	-67.3	1.6	-21.2	-4.2	3.7	8.2	0.0	8.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	643.78	-67.2	2.3	-24.5	-5.1	1.3	1.7	-3.0	-1.3
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	630.86	-67.0	2.3	-12.4	-4.4	3.0	11.4	-3.0	8.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-19.1	-4.2	2.8	19.9	-24.0	-4.1

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.9	-6.2	0.3	9.4	-24.0	-14.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	628.52	-67.0	0.4	-19.3	-1.5	3.8	-24.6	0.0	-24.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	632.30	-67.0	1.2	-19.1	-3.2	0.8	-7.3	0.0	-7.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	617.00	-66.8	0.4	-7.9	-1.4	0.1	-28.0	0.0	-28.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	602.38	-66.6	0.4	-8.1	-1.4	0.1	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	671.07	-67.5	0.6	-24.5	-1.8	0.0	-37.2	0.0	-37.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	680.24	-67.6	0.7	-24.5	-1.8	0.0	-38.6	0.0	-38.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	649.29	-67.2	1.2	-17.1	-3.2	0.0	-2.9	0.0	-2.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	609.64	-66.7	0.4	-8.1	-1.4	0.0	-23.4	0.0	-23.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	635.45	-67.1	1.2	-15.6	-3.1	1.2	-5.6	0.0	-5.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	662.28	-67.4	0.6	-24.4	-1.8	0.1	-42.2	0.0	-42.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	679.94	-67.6	0.6	-24.5	-1.8	0.1	-42.6	0.0	-42.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	637.47	-67.1	0.4	-24.5	-1.7	1.0	-35.1	0.0	-35.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	681.06	-67.7	0.7	-24.3	-1.8	0.1	-41.1	0.0	-41.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	673.14	-67.6	1.3	-24.7	-4.4	0.8	-19.2	0.0	-19.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	668.46	-67.5	0.6	-24.5	-1.8	1.1	-38.5	0.0	-38.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	680.78	-67.7	1.3	-24.7	-4.4	0.6	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	617.57	-66.8	1.2	-6.9	-3.7	1.0	0.5	0.0	0.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	638.06	-67.1	1.2	-24.4	-4.0	0.9	-11.4	0.0	-11.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	610.23	-66.7	1.2	-6.7	-3.7	0.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	671.68	-67.5	1.2	-24.5	-4.2	0.0	-13.7	0.0	-13.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	669.03	-67.5	1.3	-24.6	-4.3	0.8	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	602.97	-66.6	1.2	-6.5	-3.7	0.0	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	629.11	-67.0	1.2	-12.8	-3.8	2.6	4.3	0.0	4.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	662.82	-67.4	1.2	-24.7	-4.3	0.8	-18.5	0.0	-18.5
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	680.49	-67.6	1.3	-24.7	-4.4	0.8	-18.9	0.0	-18.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	681.59	-67.7	1.3	-24.5	-4.4	0.8	-17.5	0.0	-17.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	600.36	-66.6	1.0	-7.3	-2.9	1.5	18.3	0.0	18.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	635.72	-67.1	1.0	-24.6	-3.2	1.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	648.86	-67.2	1.0	-24.0	-3.1	1.1	3.4	0.0	3.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	613.04	-66.7	1.1	-6.6	-3.0	2.4	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	625.38	-66.9	0.7	-11.4	-2.2	1.7	15.0	0.0	15.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	591.38	-66.4	1.4	-8.5	-2.8	1.9	5.8	0.0	5.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	606.07	-66.6	0.7	-18.3	-2.0	6.1	1.6	0.0	1.6
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	604.61	-66.6	1.4	-22.3	-3.0	2.4	2.3	0.0	2.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	620.81	-66.9	1.5	-24.4	-3.1	5.0	-4.9	0.0	-4.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	607.18	-66.7	1.4	-24.4	-3.0	16.2	14.0	0.0	14.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	595.30	-66.5	1.4	-7.5	-2.9	0.9	16.4	0.0	16.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	600.21	-66.6	0.7	-12.5	-2.1	2.3	9.4	0.0	9.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	615.08	-66.8	1.4	-23.9	-2.9	1.2	-1.7	0.0	-1.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	604.49	-66.6	1.3	-24.2	-3.0	4.0	2.6	0.0	2.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	585.00	-66.3	1.3	-7.2	-2.8	1.2	15.5	0.0	15.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	603.06	-66.6	1.4	-16.7	-2.2	5.1	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	601.24	-66.6	2.1	-8.3	-2.8	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	607.49	-66.7	2.1	-23.7	-2.8	2.1	-4.3	0.0	-4.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	604.66	-66.6	1.9	-24.7	-3.2	8.1	0.4	0.0	0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	598.44	-66.5	2.0	-12.6	-2.7	2.1	4.2	0.0	4.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	581.39	-66.3	1.3	-14.5	-2.2	1.6	1.7	0.0	1.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	579.38	-66.3	1.9	-8.7	-2.7	0.0	9.1	0.0	9.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	585.91	-66.3	1.9	-23.7	-2.7	0.9	-5.2	0.0	-5.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	583.17	-66.3	1.9	-23.8	-2.7	6.9	0.7	0.0	0.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	576.67	-66.2	1.9	-10.2	-2.6	1.1	5.8	0.0	5.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	601.22	-66.6	0.1	-1.7	-2.6	0.0	18.6	0.0	18.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	596.68	-66.5	0.0	-1.8	-2.6	0.0	18.6	0.0	18.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	663.79	-67.4	1.3	-24.0	-1.2	3.2	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	648.41	-67.2	1.3	-23.7	-1.1	2.3	-9.3	0.0	-9.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	657.03	-67.3	1.3	-23.4	-1.1	5.3	-2.9	0.0	-2.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	652.89	-67.3	0.5	-22.6	-1.0	9.9	-3.5	0.0	-3.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	642.23	-67.1	1.3	-19.1	-0.5	3.6	-6.6	0.0	-6.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	589.52	-66.4	1.4	-18.5	-0.5	4.5	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	588.72	-66.4	1.3	-18.5	-0.5	6.3	3.7	0.0	3.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	583.10	-66.3	1.4	-9.3	-0.5	2.8	9.6	0.0	9.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	585.96	-66.3	1.0	-5.5	-0.9	2.1	10.8	0.0	10.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	582.29	-66.3	1.3	-8.7	-0.5	1.0	7.4	0.0	7.4
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	654.12	-67.3	0.8	-15.9	-1.1	9.3	-1.8	0.0	-1.8
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	704.84	-68.0	-0.4	-22.5	-1.6	0.1	7.7	0.0	7.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	683.90	-67.7	1.4	-13.4	-4.5	3.2	13.2	0.0	13.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	668.65	-67.5	0.7	-18.3	-1.4	0.1	-20.0	0.0	-20.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	673.34	-67.6	0.6	-13.3	-1.8	0.5	-16.5	0.0	-16.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	698.76	-67.9	0.7	-23.5	-1.8	0.0	-26.0	0.0	-26.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	694.25	-67.8	0.6	-24.3	-2.0	0.1	-28.4	0.0	-28.4
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	682.78	-67.7	2.1	-23.9	-3.2	0.8	-4.2	0.0	-4.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	678.63	-67.6	2.0	-24.4	-3.4	3.1	-4.0	0.0	-4.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	662.66	-67.4	2.0	-10.6	-3.2	0.9	9.3	0.0	9.3
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	672.95	-67.6	1.2	-13.0	-2.4	0.3	4.6	0.0	4.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	667.48	-67.5	2.0	-6.8	-3.2	0.0	10.6	0.0	10.6
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	2.6	-11.0	-2.2	0.0	-5.7	0.0	-5.7
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	614.72	-66.8	1.3	-4.6	-2.9	1.2	3.4	0.0	3.4
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	657.57	-67.4	0.9	-23.9	-1.8	9.4	-10.3	0.0	-10.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	656.18	-67.3	1.1	-7.7	-0.9	2.4	-6.0	0.0	-6.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	655.03	-67.3	1.8	-6.1	-1.0	2.2	1.4	0.0	1.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	659.37	-67.4	1.8	-18.7	-0.5	0.0	-13.7	0.0	-13.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	653.03	-67.3	1.7	-6.2	-1.0	0.1	-4.6	0.0	-4.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	657.36	-67.3	1.8	-19.0	-0.5	1.6	-11.7	0.0	-11.7
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	673.32	-67.6	1.3	-4.4	-4.2	0.1	14.3	0.0	14.3
Receiver R9 F1 F1 Leq,d 32.5 dB(A) Leq,e 30.6 dB(A) Leq,n 30.3 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4	4.3	23.6
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3	4.3	21.5
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7	3.0	8.2
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-1.2	0.0	-1.2
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-1.1	0.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	0.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	0.0	1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	0.0	2.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	0.0	14.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	0.0	24.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	0.0	9.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	L1 dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7	-3.0	2.2
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-1.2	0.0	-1.2
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-1.1	0.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	-2.0	-4.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	-2.0	-0.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	-2.0	0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	-2.0	12.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	-6.0	18.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	-6.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,e				89.5	89.5	0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	597.85	-66.5	2.6	-7.8	-2.4	1.1	19.4		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	657.70	-67.4	3.5	-8.2	-2.6	0.4	17.3		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	636.58	-67.1	2.8	-15.8	-1.2	3.0	5.7		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	699.15	-67.9	1.7	-24.0	-3.2	0.2	-1.2	0.0	-1.2
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	698.99	-67.9	1.6	-23.8	-3.2	0.2	-1.1	0.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	678.79	-67.6	2.5	-24.9	-5.2	0.1	-2.1	-3.0	-5.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	665.91	-67.5	2.5	-24.6	-4.9	0.8	1.4	-3.0	-1.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	654.84	-67.3	1.7	-16.6	-4.0	3.2	12.7	0.0	12.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	643.76	-67.2	2.3	-23.8	-4.9	1.1	2.5	-3.0	-0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	630.83	-67.0	2.3	-7.8	-4.6	1.4	14.2	-3.0	11.2
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	638.60	-67.1	3.0	-13.8	-4.0	2.0	24.6	-24.0	0.6
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	686.06	-67.7	3.3	-24.8	-5.9	0.3	9.7	-24.0	-14.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	628.48	-67.0	1.9	-18.6	-1.5	4.1	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	632.16	-67.0	1.5	-13.4	-3.3	0.8	-1.2	0.0	-1.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	616.96	-66.8	1.9	-6.2	-1.5	0.0	-24.9	0.0	-24.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	602.34	-66.6	1.8	-6.7	-1.5	0.0	-22.1	0.0	-22.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	671.04	-67.5	2.0	-24.7	-1.6	0.0	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	680.21	-67.6	2.2	-24.6	-1.7	0.0	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	649.14	-67.2	1.6	-11.8	-3.3	0.0	2.6	0.0	2.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	609.61	-66.7	1.9	-6.2	-1.5	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	635.32	-67.1	1.5	-9.9	-3.2	0.4	-0.5	0.0	-0.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	662.24	-67.4	2.1	-24.6	-1.6	0.0	-40.7	0.0	-40.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	679.91	-67.6	2.1	-24.6	-1.7	0.0	-41.2	0.0	-41.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	637.43	-67.1	1.9	-24.7	-1.6	1.0	-33.7	0.0	-33.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	681.02	-67.7	2.2	-24.4	-1.6	0.0	-39.6	0.0	-39.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	673.01	-67.6	1.6	-24.8	-4.1	0.7	-18.8	0.0	-18.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	668.42	-67.5	2.0	-24.6	-1.6	1.1	-37.1	0.0	-37.1
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	680.68	-67.7	1.6	-24.7	-4.2	0.5	-14.7	0.0	-14.7

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	617.46	-66.8	1.5	-4.8	-3.9	0.7	2.5	0.0	2.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	637.95	-67.1	1.5	-24.2	-3.7	0.9	-10.7	0.0	-10.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	610.11	-66.7	1.5	-4.8	-3.9	0.1	3.7	0.0	3.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	671.58	-67.5	1.6	-24.3	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	668.93	-67.5	1.6	-24.6	-4.1	0.7	-15.2	0.0	-15.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	602.85	-66.6	1.5	-4.7	-3.8	0.0	2.3	0.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	629.00	-67.0	1.5	-11.3	-3.8	2.5	6.0	0.0	6.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	662.72	-67.4	1.6	-24.7	-4.1	0.7	-18.1	0.0	-18.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	680.40	-67.6	1.6	-24.7	-4.2	0.7	-18.4	0.0	-18.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	681.49	-67.7	1.6	-24.6	-4.1	0.7	-17.0	0.0	-17.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	600.26	-66.6	1.7	-6.6	-2.8	1.6	20.0	0.0	20.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	635.63	-67.1	1.7	-24.7	-2.9	1.7	5.0	0.0	5.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	648.77	-67.2	1.7	-24.0	-2.8	0.8	4.2	0.0	4.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	612.95	-66.7	1.8	-6.2	-2.8	1.8	24.2	0.0	24.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	625.18	-66.9	1.5	-7.8	-2.4	0.8	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	591.35	-66.4	2.0	-7.2	-2.8	1.7	7.5	0.0	7.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	605.99	-66.6	1.5	-14.6	-2.1	5.1	5.0	0.0	5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	604.57	-66.6	2.1	-21.7	-2.8	1.9	3.3	0.0	3.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	620.78	-66.9	2.1	-24.4	-2.7	4.7	-4.2	0.0	-4.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	607.14	-66.7	2.1	-24.3	-2.7	16.9	15.8	0.0	15.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	595.26	-66.5	2.0	-6.7	-2.7	0.7	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	600.08	-66.6	1.5	-7.3	-2.4	0.1	12.9	0.0	12.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	615.04	-66.8	2.0	-23.5	-2.5	0.8	-0.6	0.0	-0.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	604.44	-66.6	2.0	-24.0	-2.6	3.4	3.1	0.0	3.1
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	584.95	-66.3	2.0	-6.1	-2.7	0.9	17.1	0.0	17.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	603.03	-66.6	2.0	-12.1	-2.0	4.3	7.2	0.0	7.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	601.23	-66.6	2.7	-6.7	-2.5	0.0	11.7	0.0	11.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	607.48	-66.7	2.7	-23.0	-2.4	1.9	-2.8	0.0	-2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	604.65	-66.6	2.6	-24.6	-2.8	9.8	3.1	0.0	3.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	598.42	-66.5	2.6	-9.6	-2.5	1.7	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	581.36	-66.3	1.9	-10.6	-2.0	0.9	5.7	0.0	5.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	579.37	-66.3	2.5	-7.2	-2.4	0.0	11.5	0.0	11.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	585.90	-66.3	2.5	-23.0	-2.3	1.2	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	583.16	-66.3	2.4	-23.3	-2.3	7.5	2.8	0.0	2.8
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	576.66	-66.2	2.5	-8.1	-2.4	0.6	8.1	0.0	8.1
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	600.85	-66.6	1.5	-2.4	-2.4	0.0	19.6	0.0	19.6
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	596.31	-66.5	1.5	-2.5	-2.4	0.0	19.6	0.0	19.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	663.77	-67.4	2.0	-24.2	-1.2	3.2	-12.2	0.0	-12.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	648.38	-67.2	2.0	-23.8	-1.1	2.2	-8.7	0.0	-8.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	657.00	-67.3	2.1	-23.6	-1.0	5.4	-2.3	0.0	-2.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	652.83	-67.3	1.3	-22.9	-0.9	10.3	-2.5	0.0	-2.5
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	642.20	-67.1	2.1	-19.4	-0.5	3.6	-6.0	0.0	-6.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	589.51	-66.4	2.1	-18.4	-0.5	4.6	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	588.71	-66.4	2.1	-18.4	-0.5	7.0	5.3	0.0	5.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	583.09	-66.3	2.0	-6.7	-0.8	2.6	12.2	0.0	12.2
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	585.93	-66.3	1.7	-4.9	-1.2	2.5	12.4	0.0	12.4
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	582.28	-66.3	2.0	-6.6	-0.8	0.8	9.7	0.0	9.7
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	654.09	-67.3	2.0	-14.3	-1.1	8.3	-0.1	0.0	-0.1
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	704.76	-68.0	1.6	-22.7	-1.5	0.0	9.4	0.0	9.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	683.82	-67.7	1.6	-8.3	-4.8	0.0	15.0	0.0	15.0
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	668.61	-67.5	2.1	-16.6	-1.4	0.0	-16.9	0.0	-16.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	673.30	-67.6	2.1	-12.6	-1.7	0.7	-14.1	0.0	-14.1	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	698.72	-67.9	2.2	-23.3	-1.6	0.0	-24.2	0.0	-24.2	
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	694.21	-67.8	2.1	-24.4	-1.8	0.0	-26.9	0.0	-26.9	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	682.76	-67.7	2.7	-23.5	-2.7	0.7	-2.7	0.0	-2.7	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	678.61	-67.6	2.7	-24.2	-2.9	3.0	-2.8	0.0	-2.8	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	662.64	-67.4	2.6	-9.1	-2.9	0.8	11.7	0.0	11.7	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	672.88	-67.6	1.8	-8.0	-2.5	0.3	10.0	0.0	10.0	
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	667.46	-67.5	2.6	-5.3	-3.0	0.0	13.1	0.0	13.1	
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	660.45	-67.4	3.5	-7.1	-2.3	0.0	-1.0	0.0	-1.0	
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	614.68	-66.8	1.9	-4.5	-2.5	1.2	4.3	0.0	4.3	
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	657.54	-67.4	2.1	-24.0	-1.7	10.5	-8.0	0.0	-8.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	656.15	-67.3	1.9	-6.5	-1.0	2.5	-4.0	0.0	-4.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	655.02	-67.3	2.5	-5.1	-1.2	2.4	3.2	0.0	3.2	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	659.36	-67.4	2.5	-18.7	-0.6	0.0	-13.0	0.0	-13.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	653.02	-67.3	2.5	-5.1	-1.1	0.1	-3.0	0.0	-3.0	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	657.35	-67.3	2.5	-19.0	-0.6	1.5	-11.1	0.0	-11.1	
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	673.23	-67.6	1.6	-4.3	-4.1	0.1	14.8	0.0	14.8	
Receiver R10 FI GF Leq,d 33.0 dB(A) Leq,e 31.0 dB(A) Leq,n 30.4 dB(A)																		
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3	4.3	22.6	
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6	4.3	17.8	
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9	3.0	10.4	
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-2.6	0.0	-2.6	
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	9.5	0.0	9.5	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	0.0	-3.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	0.0	-0.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	0.0	1.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	0.0	13.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	0.0	28.0	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	0.0	8.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0	

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9	-3.0	4.4
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-2.6	0.0	-2.6
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	9.5	0.0	9.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	-2.0	-5.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	-2.0	-2.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	-2.0	-0.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	-2.0	11.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	-6.0	22.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	-6.0	2.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3



medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6	
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1	
ID24 - Water recooling system (full load)	Area	Leq,e				67.6	89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4
A - HGVs (accessing site)	Line	Leq,n				66.1	92.3	422.8	0	628.26	-67.0	2.1	-9.1	-2.5	2.5	18.3		
A - HGVs (leaving site)	Line	Leq,n				66.1	91.6	353.8	0	684.27	-67.7	2.8	-11.4	-2.7	1.0	13.6		
B - Loader (external movements)	Line	Leq,n				57.2	83.9	476.8	0	675.86	-67.6	2.3	-11.5	-1.8	2.6	7.9		
D - Exhaust Steam Pipe	Line	Leq,n				75.6	92.0	43.6	0	732.45	-68.3	1.4	-24.3	-3.5	0.1	-2.6	0.0	-2.6
D - Exhaust Steam Pipe	Line	Leq,n				72.8	92.0	83.2	0	732.39	-68.3	1.3	-11.9	-3.6	0.0	9.5	0.0	9.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	719.23	-68.1	2.6	-24.9	-5.8	0.0	-3.3	-3.0	-6.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	709.21	-68.0	2.5	-24.4	-5.4	0.0	-0.3	-3.0	-3.3	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	696.88	-67.9	1.7	-8.8	-5.5	0.0	15.2	0.0	15.2	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	684.58	-67.7	2.3	-23.5	-5.4	0.4	1.2	-3.0	-1.8	
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	674.30	-67.6	2.3	-5.3	-5.4	0.0	13.9	-3.0	10.9	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	682.89	-67.7	3.0	-6.0	-5.9	0.0	28.0	-24.0	4.0	
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.3	-24.9	-6.5	0.0	8.3	-24.0	-15.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	666.37	-67.5	0.5	-13.7	-1.7	2.0	-21.5	0.0	-21.5	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	670.51	-67.5	1.2	-9.3	-4.3	1.0	1.1	0.0	1.1	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	658.85	-67.4	0.5	-4.7	-1.7	0.0	-25.7	0.0	-25.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	642.33	-67.1	0.4	-6.0	-1.7	0.0	-23.6	0.0	-23.6	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	710.17	-68.0	0.6	-24.3	-1.9	0.0	-37.4	0.0	-37.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	717.51	-68.1	0.7	-24.2	-1.9	0.0	-38.9	0.0	-38.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	688.13	-67.7	1.2	-7.8	-4.4	0.0	4.7	0.0	4.7	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	650.57	-67.3	0.5	-4.8	-1.7	0.0	-20.9	0.0	-20.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	676.11	-67.6	1.2	-4.7	-4.5	0.0	2.2	0.0	2.2	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	698.67	-67.9	0.7	-24.0	-1.8	0.0	-42.3	0.0	-42.3	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	716.26	-68.1	0.7	-24.3	-1.9	0.0	-42.9	0.0	-42.9	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	678.61	-67.6	0.5	-24.4	-1.8	0.7	-35.8	0.0	-35.8	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	716.62	-68.1	0.8	-24.1	-1.9	0.0	-41.4	0.0	-41.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	709.03	-68.0	1.3	-24.6	-4.4	0.0	-20.4	0.0	-20.4	
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	703.98	-67.9	0.6	-24.3	-1.9	0.6	-39.3	0.0	-39.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	718.02	-68.1	1.3	-24.5	-4.6	0.0	-16.2	0.0	-16.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	659.39	-67.4	1.2	-0.3	-4.7	0.0	4.6	0.0	4.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	679.17	-67.6	1.2	-20.7	-3.6	0.3	-8.5	0.0	-8.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	651.11	-67.3	1.2	-0.3	-4.6	0.0	6.5	0.0	6.5	
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	710.74	-68.0	1.2	-23.9	-4.2	0.0	-13.6	0.0	-13.6	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	704.54	-68.0	1.2	-23.7	-4.3	0.0	-16.0	0.0	-16.0	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	642.88	-67.2	1.2	-0.3	-4.5	0.0	5.1	0.0	5.1	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	666.94	-67.5	1.2	-6.9	-4.5	2.6	8.9	0.0	8.9	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	699.18	-67.9	1.2	-24.2	-4.4	0.0	-19.3	0.0	-19.3	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	716.78	-68.1	1.3	-24.5	-4.6	0.0	-20.2	0.0	-20.2	
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	717.12	-68.1	1.3	-24.3	-4.5	0.0	-18.7	0.0	-18.7	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	637.16	-67.1	1.0	-2.9	-3.5	1.1	21.3	0.0	21.3	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	673.12	-67.6	1.0	-22.8	-3.0	0.9	4.9	0.0	4.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	682.94	-67.7	1.0	-23.4	-3.1	0.4	2.9	0.0	2.9	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	646.59	-67.2	1.1	-3.9	-3.5	0.6	23.4	0.0	23.4	
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	660.79	-67.4	0.7	-4.6	-3.4	0.0	18.5	0.0	18.5	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	624.31	-66.9	1.5	-5.8	-3.2	1.4	7.0	0.0	7.0	
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.14	-67.1	0.7	-13.8	-2.6	7.8	6.9	0.0	6.9	

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	636.51	-67.1	1.5	-20.6	-3.0	2.4	3.5	0.0	3.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	652.20	-67.3	1.5	-23.9	-3.1	4.8	-5.0	0.0	-5.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	639.61	-67.1	1.5	-23.0	-2.9	15.8	14.6	0.0	14.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	625.16	-66.9	1.4	-7.0	-3.1	2.5	17.8	0.0	17.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	631.03	-67.0	0.7	-5.7	-3.0	1.8	14.4	0.0	14.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	645.17	-67.2	1.4	-23.5	-3.0	2.0	-0.9	0.0	-0.9
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	636.36	-67.1	1.4	-22.8	-2.8	3.8	3.4	0.0	3.4
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	616.62	-66.8	1.4	-5.4	-3.1	1.6	17.0	0.0	17.0
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	631.60	-67.0	1.5	-12.6	-2.4	6.4	7.6	0.0	7.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	629.26	-67.0	2.1	-6.6	-3.1	1.8	12.1	0.0	12.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	635.75	-67.1	2.1	-22.8	-2.8	2.6	-3.2	0.0	-3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	633.61	-67.0	2.0	-24.0	-3.1	8.6	1.3	0.0	1.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	627.15	-66.9	2.0	-9.0	-3.1	2.6	7.5	0.0	7.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	610.80	-66.7	1.4	-11.6	-2.3	3.6	6.2	0.0	6.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	608.45	-66.7	1.9	-6.9	-3.0	1.9	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	615.22	-66.8	1.9	-22.9	-2.7	3.3	-2.4	0.0	-2.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	613.18	-66.7	1.9	-22.9	-2.7	9.8	4.1	0.0	4.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	606.43	-66.6	1.9	-6.8	-3.0	1.6	9.0	0.0	8.9
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	629.79	-67.0	0.1	-1.6	-2.7	0.0	18.3	0.0	18.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	625.47	-66.9	0.0	-1.7	-2.7	0.0	18.3	0.0	18.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	699.54	-67.9	1.3	-23.5	-1.2	2.5	-13.4	0.0	-13.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	682.49	-67.7	1.3	-23.0	-1.0	1.5	-9.6	0.0	-9.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	690.67	-67.8	1.4	-22.6	-1.0	6.1	-1.7	0.0	-1.7
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	686.75	-67.7	0.6	-21.7	-0.8	10.4	-2.2	0.0	-2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	674.19	-67.6	1.3	-18.2	-0.5	1.2	-8.5	0.0	-8.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	622.18	-66.9	1.4	-17.4	-0.5	4.7	5.0	0.0	5.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	622.17	-66.9	1.3	-17.3	-0.5	5.9	4.0	0.0	4.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	615.37	-66.8	1.4	-6.2	-0.9	2.9	11.9	0.0	11.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	618.80	-66.8	1.0	-4.5	-1.3	2.9	11.8	0.0	11.8
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	615.34	-66.8	1.3	-5.8	-0.9	1.0	9.5	0.0	9.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	681.99	-67.7	0.9	-4.6	-2.1	2.9	1.7	0.0	1.7
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	738.98	-68.4	-0.4	-18.2	-1.5	0.0	11.4	0.0	11.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	714.31	-68.1	1.4	-6.9	-5.5	2.0	17.1	0.0	17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	699.78	-67.9	0.7	-15.4	-1.5	0.5	-17.1	0.0	-17.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	701.91	-67.9	0.7	-9.1	-1.9	1.0	-12.3	0.0	-12.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	728.44	-68.2	0.8	-23.0	-1.9	0.2	-25.7	0.0	-25.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	726.54	-68.2	0.7	-23.4	-1.9	0.3	-27.5	0.0	-27.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	709.31	-68.0	2.1	-23.3	-3.2	2.0	-2.7	0.0	-2.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	706.90	-68.0	2.1	-23.8	-3.2	3.7	-2.8	0.0	-2.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	690.10	-67.8	2.0	-7.7	-3.5	1.9	12.6	0.0	12.6
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	699.79	-67.9	1.2	-8.9	-2.8	3.5	11.2	0.0	11.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	692.70	-67.8	2.0	-5.4	-3.5	1.5	13.0	0.0	13.0
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	2.6	-7.6	-2.9	1.0	-2.4	0.0	-2.4
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	637.69	-67.1	1.4	-4.6	-2.9	0.7	2.5	0.0	2.5
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	686.14	-67.7	1.0	-15.3	-1.2	9.6	-1.2	0.0	-1.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	683.21	-67.7	1.1	-6.5	-1.0	2.7	-4.9	0.0	-4.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	681.72	-67.7	1.8	-5.2	-1.2	2.9	2.5	0.0	2.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	686.16	-67.7	1.8	-17.2	-0.5	0.1	-12.4	0.0	-12.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	680.14	-67.6	1.8	-5.1	-1.2	0.6	-3.6	0.0	-3.6
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	684.57	-67.7	1.8	-17.8	-0.5	1.4	-11.1	0.0	-11.1
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	700.81	-67.9	1.3	-4.5	-4.5	2.9	16.4	0.0	16.4

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R10 F1 F1 Leq,d 34.3 dB(A) Leq,e 32.3 dB(A) Leq,n 31.7 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4	4.3	24.7
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2	4.3	20.4
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5	3.0	11.9
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	732.37	-68.3	1.7	-24.3	-3.3	0.0	-2.2	0.0	-2.2
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	10.2	0.0	10.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	0.0	-2.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	0.0	0.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	0.0	1.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	0.0	14.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	0.0	28.8
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	0.0	8.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4		
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2		
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5	-3.0	5.9
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	732.37	-68.3	1.7	-24.3	-3.3	0.0	-2.2	0.0	-2.2
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	10.2	0.0	10.2

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	-2.0	-5.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	-2.0	-1.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	-2.0	-0.5
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	-2.0	12.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	-6.0	22.9
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	-6.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekends

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	628.28	-67.0	2.6	-7.3	-2.5	2.2	20.4		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	684.27	-67.7	3.5	-9.5	-2.6	0.9	16.2		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	675.87	-67.6	2.9	-11.0	-2.0	3.2	9.5		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	732.37	-68.3	1.7	-24.3	-3.3	0.0	-2.2	0.0	-2.2
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	732.30	-68.3	1.6	-11.7	-3.5	0.0	10.2	0.0	10.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	719.21	-68.1	2.6	-24.8	-5.4	0.0	-2.9	-3.0	-5.9
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	709.19	-68.0	2.5	-23.8	-4.9	0.0	0.9	-3.0	-2.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	696.83	-67.9	1.8	-8.8	-5.3	0.0	15.4	0.0	15.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	684.56	-67.7	2.4	-23.4	-5.2	0.4	1.6	-3.0	-1.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	674.27	-67.6	2.4	-5.1	-5.1	0.0	14.4	-3.0	11.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	682.88	-67.7	3.0	-5.3	-5.8	0.0	28.8	-24.0	4.8

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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	727.05	-68.2	3.4	-24.9	-6.1	0.0	8.7	-24.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	666.33	-67.5	1.9	-13.6	-1.6	1.9	-20.0	0.0	-20.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	670.38	-67.5	1.5	-9.4	-4.1	1.0	1.5	0.0	1.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	658.82	-67.4	1.9	-4.7	-1.7	0.0	-24.2	0.0	-24.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	642.29	-67.1	1.9	-6.2	-1.6	0.0	-22.3	0.0	-22.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	710.14	-68.0	2.1	-24.2	-1.7	0.0	-35.7	0.0	-35.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	717.47	-68.1	2.2	-24.3	-1.7	0.0	-37.3	0.0	-37.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	688.01	-67.7	1.6	-7.8	-4.2	0.0	5.2	0.0	5.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	650.53	-67.3	1.9	-4.8	-1.6	0.0	-19.4	0.0	-19.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	675.99	-67.6	1.5	-4.8	-4.2	0.0	2.7	0.0	2.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	698.63	-67.9	2.1	-24.1	-1.7	0.0	-40.8	0.0	-40.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	716.22	-68.1	2.1	-24.4	-1.7	0.0	-41.4	0.0	-41.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	678.58	-67.6	1.9	-24.0	-1.6	0.6	-33.8	0.0	-33.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	716.58	-68.1	2.2	-24.1	-1.7	0.0	-39.7	0.0	-39.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	708.91	-68.0	1.6	-24.6	-4.2	0.0	-19.9	0.0	-19.9
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	703.94	-67.9	2.1	-24.4	-1.7	0.6	-37.7	0.0	-37.7
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	717.92	-68.1	1.6	-24.5	-4.3	0.0	-15.6	0.0	-15.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	659.28	-67.4	1.5	-0.1	-4.3	0.0	5.6	0.0	5.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	679.07	-67.6	1.5	-20.4	-3.3	0.2	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	650.96	-67.3	1.5	-0.1	-4.2	0.0	7.5	0.0	7.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	710.64	-68.0	1.6	-23.8	-3.9	0.0	-12.9	0.0	-12.9
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	704.44	-67.9	1.6	-23.7	-4.0	0.0	-15.3	0.0	-15.3
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	642.77	-67.2	1.5	-0.1	-4.1	0.0	6.1	0.0	6.1
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	666.83	-67.5	1.5	-6.8	-4.1	2.6	9.8	0.0	9.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	699.08	-67.9	1.6	-24.2	-4.1	0.0	-18.7	0.0	-18.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	716.68	-68.1	1.6	-24.6	-4.3	0.0	-19.6	0.0	-19.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	717.03	-68.1	1.6	-24.3	-4.2	0.0	-18.0	0.0	-18.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	637.06	-67.1	1.8	-2.6	-3.1	1.1	22.7	0.0	22.7
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	673.03	-67.6	1.8	-22.6	-2.6	0.8	6.1	0.0	6.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	682.85	-67.7	1.8	-22.3	-2.6	0.3	5.1	0.0	5.1
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	646.50	-67.2	1.8	-3.3	-3.2	0.8	25.2	0.0	25.2
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	660.60	-67.4	1.5	-4.8	-3.1	0.0	19.3	0.0	19.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	624.27	-66.9	2.1	-5.1	-2.8	1.0	8.4	0.0	8.4
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	638.06	-67.1	1.5	-11.3	-2.7	6.2	8.3	0.0	8.3
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	636.48	-67.1	2.1	-19.6	-2.5	1.8	5.1	0.0	5.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	652.16	-67.3	2.2	-23.8	-2.7	4.5	-4.1	0.0	-4.1
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	639.58	-67.1	2.1	-22.0	-2.4	14.5	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	625.12	-66.9	2.0	-6.8	-2.8	2.0	18.6	0.0	18.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	630.93	-67.0	1.5	-4.9	-3.0	1.4	15.6	0.0	15.6
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	645.13	-67.2	2.1	-23.2	-2.5	1.7	0.2	0.0	0.2
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	636.32	-67.1	2.0	-21.5	-2.3	2.8	5.0	0.0	5.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	616.58	-66.8	2.0	-4.9	-2.7	1.3	18.3	0.0	18.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	631.57	-67.0	2.1	-8.4	-2.4	5.1	11.1	0.0	11.1
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	629.25	-67.0	2.7	-5.2	-2.9	1.2	13.7	0.0	13.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	635.74	-67.1	2.8	-22.2	-2.4	2.3	-1.9	0.0	-1.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	633.60	-67.0	2.6	-23.8	-2.7	9.2	3.2	0.0	3.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	627.14	-66.9	2.7	-7.7	-2.9	2.2	9.2	0.0	9.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	610.76	-66.7	2.0	-7.5	-2.4	2.3	9.5	0.0	9.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	608.44	-66.7	2.5	-5.4	-2.8	1.3	13.9	0.0	13.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	615.21	-66.8	2.5	-22.4	-2.3	3.7	-0.4	0.0	-0.4
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	613.16	-66.7	2.5	-22.3	-2.4	11.1	6.9	0.0	6.9



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Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	606.42	-66.6	2.5	-5.4	-2.8	1.2	10.7	0.0	10.7
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	629.44	-67.0	1.5	-2.2	-2.5	0.0	19.4	0.0	19.4
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	625.12	-66.9	1.5	-2.3	-2.5	0.0	19.3	0.0	19.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	699.52	-67.9	2.1	-23.8	-1.1	2.5	-12.8	0.0	-12.8
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	682.47	-67.7	2.1	-23.2	-1.0	1.6	-8.9	0.0	-8.9
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	690.64	-67.8	2.1	-22.7	-0.9	9.0	2.0	0.0	2.0
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	686.70	-67.7	1.4	-20.5	-0.7	12.1	1.6	0.0	1.6
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	674.17	-67.6	2.1	-16.5	-0.5	1.0	-6.1	0.0	-6.1
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	622.17	-66.9	2.1	-17.5	-0.5	4.9	5.6	0.0	5.6
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	622.16	-66.9	2.2	-17.6	-0.5	6.2	4.9	0.0	4.9
ID13 - Compressed air station-ID10 - Switchgear building	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	615.36	-66.8	2.1	-5.6	-1.0	2.9	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	618.78	-66.8	1.8	-4.7	-1.3	3.5	13.0	0.0	13.0
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	615.33	-66.8	2.0	-5.1	-1.1	0.9	10.5	0.0	10.5
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	681.95	-67.7	2.0	-4.7	-1.9	2.8	2.9	0.0	2.9
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	738.90	-68.4	1.6	-17.2	-1.6	0.0	14.3	0.0	14.3
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	714.22	-68.1	1.6	-5.6	-5.5	1.4	18.1	0.0	18.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	699.74	-67.9	2.2	-12.8	-1.6	0.2	-13.4	0.0	-13.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	701.87	-67.9	2.2	-9.3	-1.8	1.3	-10.5	0.0	-10.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	728.40	-68.2	2.2	-23.0	-1.7	0.1	-24.1	0.0	-24.1
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	726.50	-68.2	2.2	-23.3	-1.7	0.2	-25.8	0.0	-25.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	709.29	-68.0	2.8	-22.9	-2.7	1.7	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	706.87	-68.0	2.7	-23.4	-2.8	3.5	-1.5	0.0	-1.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	690.08	-67.8	2.7	-7.0	-3.1	1.5	14.0	0.0	14.0
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	699.74	-67.9	1.9	-5.3	-3.1	2.2	13.8	0.0	13.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	692.68	-67.8	2.7	-4.8	-3.2	1.1	14.2	0.0	14.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	686.45	-67.7	3.5	-5.4	-3.1	0.5	0.2	0.0	0.2
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	637.65	-67.1	2.0	-4.7	-2.6	0.6	3.2	0.0	3.2
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	686.11	-67.7	2.1	-14.7	-1.2	9.3	0.3	0.0	0.3
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	683.18	-67.7	1.9	-5.6	-1.1	2.9	-3.2	0.0	-3.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	681.71	-67.7	2.5	-4.7	-1.3	2.8	3.5	0.0	3.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	686.15	-67.7	2.6	-17.4	-0.6	0.1	-11.9	0.0	-11.9
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	680.12	-67.6	2.5	-4.7	-1.3	0.5	-2.7	0.0	-2.7
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	684.55	-67.7	2.6	-18.0	-0.6	1.3	-10.6	0.0	-10.6
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	700.73	-67.9	1.6	-4.5	-4.3	2.9	16.9	0.0	16.9



**Table 10 Mean source propagation  $L_{Aeq}$  calculations: EfW CHP Facility (normal operation), Weekdays, at 10 New Bridge Lane with Acoustic Barrier to 10 New Bridge Lane**

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R3 FI GF dB(A) dB(A) dB(A) Leq,d 51.0 dB(A) Leq,e 44.5 dB(A) Leq,n 43.7 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	122.38	-52.7	2.2	-8.4	-0.5	3.3	36.1	10.8	46.9
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	111.22	-51.9	2.0	-8.6	-0.4	3.7	36.4	10.8	47.2
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	307.61	-60.8	3.8	-14.5	-0.9	5.9	17.6	3.0	20.1
C - Exhaust Steam Pipe	Line	Leq,d			65.8	82.2	43.6	0	271.28	-59.7	1.6	-11.5	-1.3	4.6	16.0	0.0	16.0
C - Exhaust Steam Pipe	Line	Leq,d			63.0	82.2	83.2	0	272.16	-59.7	1.6	-10.7	-1.3	5.3	17.4	0.0	17.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.3	-2.8	5.7	12.6	0.0	12.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.4	10.4	0.0	10.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.5	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.8	-2.8	2.3	11.1	0.0	11.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.8	-3.0	2.3	5.4	0.0	5.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.8	-3.9	2.3	20.0	0.0	20.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.3	-3.6	3.0	21.7	0.0	21.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.5	-0.8	2.7	-23.0	0.0	-23.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-21.0	-2.0	3.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-24.3	-0.9	2.2	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-24.4	-0.9	2.2	-31.8	0.0	-31.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.7	-0.9	2.1	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-22.1	-0.8	1.8	-26.4	0.0	-26.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	3.4	11.8	0.0	11.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-24.3	-0.9	2.2	-30.4	0.0	-30.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.4	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-24.1	-0.8	2.5	-30.6	0.0	-30.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-23.5	-0.8	2.3	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.4	-0.9	2.2	-26.7	0.0	-26.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-21.2	-0.6	3.8	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.9	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-9.3	-0.8	5.9	-9.4	0.0	-9.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-21.1	-1.8	2.2	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-24.7	-2.4	2.3	-8.5	0.0	-8.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.7	-2.3	2.3	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-24.6	-2.3	2.3	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-24.2	-2.2	2.5	-1.8	0.0	-1.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-4.9	-2.0	6.6	20.2	0.0	20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-24.6	-2.2	2.3	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.5	-2.1	2.4	1.4	0.0	1.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-21.4	-1.8	1.8	-3.8	0.0	-3.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-23.5	-1.9	2.6	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-8.5	-2.0	4.8	12.9	0.0	12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-21.9	-1.3	1.4	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	263.90	-59.4	2.0	-5.4	-1.6	4.7	35.9	0.0	35.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-5.8	-1.6	3.7	35.5	0.0	35.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	276.14	-59.8	1.8	-10.2	-2.2	2.2	25.8	0.0	25.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-24.3	-1.3	5.4	3.0	0.0	3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	237.19	-58.5	1.8	-18.3	-1.1	11.9	17.5	0.0	17.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-23.8	-1.3	5.9	14.9	0.0	14.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-11.7	-1.3	4.4	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-24.1	-1.3	7.0	15.5	0.0	15.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-8.2	-1.2	3.8	29.8	0.0	29.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	224.53	-58.0	1.8	-7.3	-1.2	4.2	27.0	0.0	27.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-9.6	-1.2	4.7	27.5	0.0	27.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-23.9	-1.2	6.4	15.7	0.0	15.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-23.5	-1.2	3.3	11.6	0.0	11.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	200.54	-57.0	1.8	-9.0	-0.9	4.8	21.3	0.0	21.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	195.87	-56.8	2.5	-6.4	-1.0	2.9	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.4	-6.6	-1.0	5.1	27.7	0.0	27.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-22.5	-0.9	5.6	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-22.6	-1.0	9.6	13.2	0.0	13.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	211.83	-57.5	1.7	-8.9	-1.0	4.4	20.5	0.0	20.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	207.35	-57.3	2.5	-6.2	-1.1	2.6	25.3	0.0	25.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-6.4	-1.1	3.6	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-22.6	-1.0	9.6	15.7	0.0	15.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-22.6	-1.0	3.7	6.8	0.0	6.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-18.8	-0.3	4.1	2.2	0.0	2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-19.9	-0.3	3.6	5.3	0.0	5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	259.92	-59.3	2.0	-5.4	-0.5	4.2	23.2	0.0	23.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	261.74	-59.3	1.4	-6.8	-0.4	6.5	18.4	0.0	18.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.1	-5.0	-0.4	3.1	16.5	0.0	16.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-22.3	-0.4	3.9	8.7	0.0	8.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-22.3	-0.4	5.8	8.3	0.0	8.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-21.0	-0.3	3.3	7.3	0.0	7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-21.5	-0.3	5.0	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-21.6	-0.3	3.8	6.3	0.0	6.3
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	199.80	-57.0	0.8	-4.7	-0.7	4.1	14.8	0.0	14.8
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-9.4	-0.6	3.8	33.7	0.0	33.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-10.5	-1.8	5.0	30.2	0.0	30.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-23.2	-0.7	7.9	-7.5	0.0	-7.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-8.5	-0.7	3.7	2.5	0.0	2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	232.03	-58.3	0.3	-4.3	-0.7	3.0	6.4	0.0	6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-22.6	-0.7	2.0	-15.2	0.0	-15.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	-5.4	-1.0	3.7	29.5	0.0	29.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-23.2	-1.1	5.4	11.5	0.0	11.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-23.1	-1.0	14.5	22.8	0.0	22.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	195.72	-56.8	1.1	-9.3	-0.9	5.6	25.7	0.0	25.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	181.18	-56.2	1.5	-5.6	-1.0	4.3	29.2	0.0	29.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	-7.7	-1.1	3.9	13.9	0.0	13.9
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	147.71	-54.4	1.7	-5.0	-0.9	3.1	19.4	0.0	19.4
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	207.81	-57.3	0.7	-8.1	-0.5	6.6	13.8	0.0	13.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	191.02	-56.6	0.9	-7.3	-0.3	3.9	7.1	0.0	7.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	187.86	-56.5	1.5	-5.1	-0.3	2.9	14.4	0.0	14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-21.6	-0.3	3.5	-2.2	0.0	-2.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-17.6	-0.2	6.3	1.5	0.0	1.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-18.0	-0.2	4.1	2.5	0.0	2.5
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	202.94	-57.1	1.7	-4.7	-1.7	7.3	34.5	0.0	34.5
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	122.38	-52.7	2.2	-8.4	-0.5	3.3	36.1	-3.0	33.1
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	111.22	-51.9	2.0	-8.6	-0.4	3.7	36.4	-3.0	33.4
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	307.61	-60.8	3.8	-14.5	-0.9	5.9	17.6	-3.0	14.1
C - Exhaust Steam Pipe	Line	Leq,e			65.8	82.2	43.6	0	271.28	-59.7	1.6	-11.5	-1.3	4.6	16.0	0.0	16.0
C - Exhaust Steam Pipe	Line	Leq,e			63.0	82.2	83.2	0	272.16	-59.7	1.6	-10.7	-1.3	5.3	17.4	0.0	17.4

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.3	-2.8	5.7	12.6	-2.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.4	10.4	-2.0	8.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.5	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.8	-2.8	2.3	11.1	-2.0	9.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.8	-3.0	2.3	5.4	-2.0	3.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.8	-3.9	2.3	20.0	-6.0	14.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.3	-3.6	3.0	21.7	-6.0	15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.5	-0.8	2.7	-23.0	0.0	-23.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-21.0	-2.0	3.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-24.3	-0.9	2.2	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-24.4	-0.9	2.2	-31.8	0.0	-31.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.7	-0.9	2.1	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-22.1	-0.8	1.8	-26.4	0.0	-26.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	3.4	11.8	0.0	11.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-24.3	-0.9	2.2	-30.4	0.0	-30.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.4	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-24.1	-0.8	2.5	-30.6	0.0	-30.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-23.5	-0.8	2.3	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.4	-0.9	2.2	-26.7	0.0	-26.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-21.2	-0.6	3.8	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.9	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-9.3	-0.8	5.9	-9.4	0.0	-9.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-21.1	-1.8	2.2	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-24.7	-2.4	2.3	-8.5	0.0	-8.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.7	-2.3	2.3	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-24.6	-2.3	2.3	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-24.2	-2.2	2.5	-1.8	0.0	-1.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-4.9	-2.0	6.6	20.2	0.0	20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-24.6	-2.2	2.3	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.5	-2.1	2.4	1.4	0.0	1.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-21.4	-1.8	1.8	-3.8	0.0	-3.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-23.5	-1.9	2.6	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-8.5	-2.0	4.8	12.9	0.0	12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-21.9	-1.3	1.4	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	263.90	-59.4	2.0	-5.4	-1.6	4.7	35.9	0.0	35.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-5.8	-1.6	3.7	35.5	0.0	35.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	276.14	-59.8	1.8	-10.2	-1.2	2.2	25.8	0.0	25.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-24.3	-1.3	5.4	3.0	0.0	3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	237.19	-58.5	1.8	-18.3	-1.1	11.9	17.5	0.0	17.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-23.8	-1.3	5.9	14.9	0.0	14.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-11.7	-1.3	4.4	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-24.1	-1.3	7.0	15.5	0.0	15.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-8.2	-1.2	3.8	29.8	0.0	29.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	224.53	-58.0	1.8	-7.3	-1.2	4.2	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-9.6	-1.2	4.7	27.5	0.0	27.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-23.9	-1.2	6.4	15.7	0.0	15.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-23.5	-1.2	3.3	11.6	0.0	11.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	200.54	-57.0	1.8	-9.0	-0.9	4.8	21.3	0.0	21.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	195.87	-56.8	2.5	-6.4	-1.0	2.9	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.4	-6.6	-1.0	5.1	27.7	0.0	27.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-22.5	-0.9	5.6	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-22.6	-1.0	9.6	13.2	0.0	13.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	211.83	-57.5	1.7	-8.9	-1.0	4.4	20.5	0.0	20.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	207.35	-57.3	2.5	-6.2	-1.1	2.6	25.3	0.0	25.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-6.4	-1.1	3.6	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-22.6	-1.0	9.6	15.7	0.0	15.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-22.6	-1.0	3.7	6.8	0.0	6.8
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-18.8	-0.3	4.1	2.2	0.0	2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-19.9	-0.3	3.6	5.3	0.0	5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	259.92	-59.3	2.0	-5.4	-0.5	4.2	23.2	0.0	23.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	261.74	-59.3	1.4	-6.8	-0.4	6.5	18.4	0.0	18.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.1	-5.0	-0.4	3.1	16.5	0.0	16.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-22.3	-0.4	3.9	8.7	0.0	8.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-22.3	-0.4	5.8	8.3	0.0	8.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-21.0	-0.3	3.3	7.3	0.0	7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-21.5	-0.3	5.0	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-21.6	-0.3	3.8	6.3	0.0	6.3
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	199.80	-57.0	0.8	-4.7	-0.7	4.1	14.8	0.0	14.8
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-9.4	-0.6	3.8	33.7	0.0	33.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-10.5	-1.8	5.0	30.2	0.0	30.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-23.2	-0.7	7.9	-7.5	0.0	-7.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-8.5	-0.7	3.7	2.5	0.0	2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	232.03	-58.3	0.3	-4.3	-0.7	3.0	6.4	0.0	6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-22.6	-0.7	2.0	-15.2	0.0	-15.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	-5.4	-1.0	3.7	29.5	0.0	29.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-23.2	-1.1	5.4	11.5	0.0	11.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-23.1	-1.0	14.5	22.8	0.0	22.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	195.72	-56.8	1.1	-9.3	-0.9	5.6	25.7	0.0	25.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	181.18	-56.2	1.5	-5.6	-1.0	4.3	29.2	0.0	29.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	-7.7	-1.1	3.9	13.9	0.0	13.9
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	147.71	-54.4	1.7	-5.0	-0.9	3.1	19.4	0.0	19.4
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	207.81	-57.3	0.7	-8.1	-0.5	6.6	13.8	0.0	13.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	191.02	-56.6	0.9	-7.3	-0.3	3.9	7.1	0.0	7.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	187.86	-56.5	1.5	-5.1	-0.3	2.9	14.4	0.0	14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-21.6	-0.3	3.5	-2.2	0.0	-2.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-17.6	-0.2	6.3	1.5	0.0	1.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-18.0	-0.2	4.1	2.5	0.0	2.5
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	202.94	-57.1	1.7	-4.7	-1.7	7.3	34.5	0.0	34.5
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	122.38	-52.7	2.2	-8.4	-0.5	3.3	36.1		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	111.22	-51.9	2.0	-8.6	-0.4	3.7	36.4		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	307.61	-60.8	3.8	-14.5	-0.9	5.9	17.6		
C - Exhaust Steam Pipe	Line	Leq,n			65.8	82.2	43.6	0	271.28	-59.7	1.6	-11.5	-1.3	4.6	16.0	0.0	16.0
C - Exhaust Steam Pipe	Line	Leq,n			63.0	82.2	83.2	0	272.16	-59.7	1.6	-10.7	-1.3	5.3	17.4	0.0	17.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.3	-2.8	5.7	12.6	-3.0	9.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.4	10.4	-3.0	7.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.5	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.8	-2.8	2.3	11.1	-3.0	8.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.8	-3.0	2.3	5.4	-3.0	2.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.8	-3.9	2.3	20.0	-24.0	-4.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.3	-3.6	3.0	21.7	-24.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.5	-0.8	2.7	-23.0	0.0	-23.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-21.0	-2.0	3.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-24.3	-0.9	2.2	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-24.4	-0.9	2.2	-31.8	0.0	-31.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.7	-0.9	2.1	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-22.1	-0.8	1.8	-26.4	0.0	-26.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	3.4	11.8	0.0	11.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-24.3	-0.9	2.2	-30.4	0.0	-30.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.4	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-24.1	-0.8	2.5	-30.6	0.0	-30.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-23.5	-0.8	2.3	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.4	-0.9	2.2	-26.7	0.0	-26.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-21.2	-0.6	3.8	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.9	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-9.3	-0.8	5.9	-9.4	0.0	-9.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-21.1	-1.8	2.2	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-24.7	-2.4	2.3	-8.5	0.0	-8.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.7	-2.3	2.3	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-24.6	-2.3	2.3	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-24.2	-2.2	2.5	-1.8	0.0	-1.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-4.9	-2.0	6.6	20.2	0.0	20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-24.6	-2.2	2.3	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.5	-2.1	2.4	1.4	0.0	1.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-21.4	-1.8	1.8	-3.8	0.0	-3.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-23.5	-1.9	2.6	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-8.5	-2.0	4.8	12.9	0.0	12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-21.9	-1.3	1.4	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	263.90	-59.4	2.0	-5.4	-1.6	4.7	35.9	0.0	35.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-5.8	-1.6	3.7	35.5	0.0	35.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	276.14	-59.8	1.8	-10.2	-1.2	2.2	25.8	0.0	25.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-24.3	-1.3	5.4	3.0	0.0	3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	237.19	-58.5	1.8	-18.3	-1.1	11.9	17.5	0.0	17.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-23.8	-1.3	5.9	14.9	0.0	14.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-11.7	-1.3	4.4	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-24.1	-1.3	7.0	15.5	0.0	15.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-8.2	-1.2	3.8	29.8	0.0	29.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	224.53	-58.0	1.8	-7.3	-1.2	4.2	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-9.6	-1.2	4.7	27.5	0.0	27.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-23.9	-1.2	6.4	15.7	0.0	15.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-23.5	-1.2	3.3	11.6	0.0	11.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	200.54	-57.0	1.8	-9.0	-0.9	4.8	21.3	0.0	21.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	195.87	-56.8	2.5	-6.4	-1.0	2.9	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.4	-6.6	-1.0	5.1	27.7	0.0	27.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-22.5	-0.9	5.6	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-22.6	-1.0	9.6	13.2	0.0	13.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	211.83	-57.5	1.7	-8.9	-1.0	4.4	20.5	0.0	20.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	207.35	-57.3	2.5	-6.2	-1.1	2.6	25.3	0.0	25.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-6.4	-1.1	3.6	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-22.6	-1.0	9.6	15.7	0.0	15.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Normal Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-22.6	-1.0	3.7	6.8	0.0	6.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-18.8	-0.3	4.1	2.2	0.0	2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-19.9	-0.3	3.6	5.3	0.0	5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	259.92	-59.3	2.0	-5.4	-0.5	4.2	23.2	0.0	23.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	261.74	-59.3	1.4	-6.8	-0.4	6.5	18.4	0.0	18.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.1	-5.0	-0.4	3.1	16.5	0.0	16.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-22.3	-0.4	3.9	8.7	0.0	8.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-22.3	-0.4	5.8	8.3	0.0	8.3
ID13 - Compressed air station-ID10 - Switchgear building	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-21.0	-0.3	3.3	7.3	0.0	7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-21.5	-0.3	5.0	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-21.6	-0.3	3.8	6.3	0.0	6.3
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	199.80	-57.0	0.8	-4.7	-0.7	4.1	14.8	0.0	14.8
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-9.4	-0.6	3.8	33.7	0.0	33.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-10.5	-1.8	5.0	30.2	0.0	30.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-23.2	-0.7	7.9	-7.5	0.0	-7.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-8.5	-0.7	3.7	2.5	0.0	2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	232.03	-58.3	0.3	-4.3	-0.7	3.0	6.4	0.0	6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-22.6	-0.7	2.0	-15.2	0.0	-15.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	-5.4	-1.0	3.7	29.5	0.0	29.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-23.2	-1.1	5.4	11.5	0.0	11.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-23.1	-1.0	14.5	22.8	0.0	22.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	195.72	-56.8	1.1	-9.3	-0.9	5.6	25.7	0.0	25.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	181.18	-56.2	1.5	-5.6	-1.0	4.3	29.2	0.0	29.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	-7.7	-1.1	3.9	13.9	0.0	13.9
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	147.71	-54.4	1.7	-5.0	-0.9	3.1	19.4	0.0	19.4
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	207.81	-57.3	0.7	-8.1	-0.5	6.6	13.8	0.0	13.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	191.02	-56.6	0.9	-7.3	-0.3	3.9	7.1	0.0	7.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	187.86	-56.5	1.5	-5.1	-0.3	2.9	14.4	0.0	14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-21.6	-0.3	3.5	-2.2	0.0	-2.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-17.6	-0.2	6.3	1.5	0.0	1.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-18.0	-0.2	4.1	2.5	0.0	2.5
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	202.94	-57.1	1.7	-4.7	-1.7	7.3	34.5	0.0	34.5





**Table 11 Mean source propagation  $L_{Aeq}$  calculations: EfW CHP Facility (turbine bypass mode operation), Weekdays, at 10 New Bridge Lane with Acoustic Barrier to 10 New Bridge Lane**

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
Receiver R3 FI GF dB(A) dB(A) dB(A) Leq,d 51.0 dB(A) Leq,e 44.6 dB(A) Leq,n 43.9 dB(A)																	
A - HGVs (accessing site)	Line	Leq,d			66.1	92.3	422.8	0	122.38	-52.7	2.2	-8.4	-0.5	3.3	36.1	10.8	46.9
A - HGVs (leaving site)	Line	Leq,d			66.1	91.6	353.8	0	111.22	-51.9	2.0	-8.6	-0.4	3.7	36.4	10.8	47.2
B - Loader (external movements)	Line	Leq,d			57.2	83.9	476.8	0	307.61	-60.8	3.8	-14.5	-0.9	5.9	17.6	3.0	20.1
D - Exhaust Steam Pipe	Line	Leq,d			75.6	92.0	43.6	0	271.28	-59.7	1.6	-11.5	-1.3	4.6	25.8	0.0	25.8
D - Exhaust Steam Pipe	Line	Leq,d			72.8	92.0	83.2	0	272.16	-59.7	1.6	-10.7	-1.3	5.3	27.2	0.0	27.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.3	-2.8	5.7	12.6	0.0	12.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.4	10.4	0.0	10.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.5	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.8	-2.8	2.3	11.1	0.0	11.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,d	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.8	-3.0	2.3	5.4	0.0	5.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.8	-3.9	2.3	20.0	0.0	20.0
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,d	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.3	-3.6	3.0	21.7	0.0	21.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.5	-0.8	2.7	-23.0	0.0	-23.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-21.0	-2.0	3.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-24.3	-0.9	2.2	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-24.4	-0.9	2.2	-31.8	0.0	-31.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.7	-0.9	2.1	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-22.1	-0.8	1.8	-26.4	0.0	-26.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	3.4	11.8	0.0	11.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-24.3	-0.9	2.2	-30.4	0.0	-30.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.4	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-24.1	-0.8	2.5	-30.6	0.0	-30.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-23.5	-0.8	2.3	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.4	-0.9	2.2	-26.7	0.0	-26.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-21.2	-0.6	3.8	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.9	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,d	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-9.3	-0.8	5.9	-9.4	0.0	-9.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-21.1	-1.8	2.2	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-24.7	-2.4	2.3	-8.5	0.0	-8.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.7	-2.3	2.3	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-24.6	-2.3	2.3	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,d	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-24.2	-2.2	2.5	-1.8	0.0	-1.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-4.9	-2.0	6.6	20.2	0.0	20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-24.6	-2.2	2.3	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.5	-2.1	2.4	1.4	0.0	1.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-21.4	-1.8	1.8	-3.8	0.0	-3.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-23.5	-1.9	2.6	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,d	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-8.5	-2.0	4.8	12.9	0.0	12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-21.9	-1.3	1.4	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	92.6	2381.2	3	263.90	-59.4	2.0	-5.4	-1.6	4.7	35.9	0.0	35.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-5.8	-1.6	3.7	35.5	0.0	35.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,d	85.6	24.0	58.9	93.1	2628.3	0	276.14	-59.8	1.8	-10.2	-2.2	2.2	25.8	0.0	25.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-24.3	-1.3	5.4	3.0	0.0	3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	81.7	193.8	0	237.19	-58.5	1.8	-18.3	-1.1	11.9	17.5	0.0	17.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-23.8	-1.3	5.9	14.9	0.0	14.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-11.7	-1.3	4.4	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,d	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-24.1	-1.3	7.0	15.5	0.0	15.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-8.2	-1.2	3.8	29.8	0.0	29.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	87.5	729.8	0	224.53	-58.0	1.8	-7.3	-1.2	4.2	27.0	0.0	27.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-9.6	-1.2	4.7	27.5	0.0	27.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-23.9	-1.2	6.4	15.7	0.0	15.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,d	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-23.5	-1.2	3.3	11.6	0.0	11.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	0	200.54	-57.0	1.8	-9.0	-0.9	4.8	21.3	0.0	21.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.0	3	195.87	-56.8	2.5	-6.4	-1.0	2.9	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.4	-6.6	-1.0	5.1	27.7	0.0	27.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-22.5	-0.9	5.6	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-22.6	-1.0	9.6	13.2	0.0	13.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	97.9	0	211.83	-57.5	1.7	-8.9	-1.0	4.4	20.5	0.0	20.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.9	101.0	3	207.35	-57.3	2.5	-6.2	-1.1	2.6	25.3	0.0	25.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-6.4	-1.1	3.6	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-22.6	-1.0	9.6	15.7	0.0	15.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,d	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-22.6	-1.0	3.7	6.8	0.0	6.8
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,d			89.5	89.5		0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-18.8	-0.3	4.1	2.2	0.0	2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-19.9	-0.3	3.6	5.3	0.0	5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	79.2	755.8	3	259.92	-59.3	2.0	-5.4	-0.5	4.2	23.2	0.0	23.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	77.0	457.8	0	261.74	-59.3	1.4	-6.8	-0.4	6.5	18.4	0.0	18.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,d	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.1	-5.0	-0.4	3.1	16.5	0.0	16.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-22.3	-0.4	3.9	8.7	0.0	8.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-22.3	-0.4	5.8	8.3	0.0	8.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-21.0	-0.3	3.3	7.3	0.0	7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-21.5	-0.3	5.0	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,d	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-21.6	-0.3	3.8	6.3	0.0	6.3
ID14 - Main transformer	Point	Leq,d			72.4	72.4		0	199.80	-57.0	0.8	-4.7	-0.7	4.1	14.8	0.0	14.8
ID16 - Air cooled condenser	Area	Leq,d			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-9.4	-0.6	3.8	33.7	0.0	33.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-10.5	-1.8	5.0	30.2	0.0	30.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-23.2	-0.7	7.9	-7.5	0.0	-7.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-8.5	-0.7	3.7	2.5	0.0	2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	63.4	1175.5	3	232.03	-58.3	0.3	-4.3	-0.7	3.0	6.4	0.0	6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,d	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-22.6	-0.7	2.0	-15.2	0.0	-15.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	-5.4	-1.0	3.7	29.5	0.0	29.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-23.2	-1.1	5.4	11.5	0.0	11.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-23.1	-1.0	14.5	22.8	0.0	22.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	86.0	653.6	0	195.72	-56.8	1.1	-9.3	-0.9	5.6	25.7	0.0	25.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,d	84.6	24.0	57.9	83.2	338.0	3	181.18	-56.2	1.5	-5.6	-1.0	4.3	29.2	0.0	29.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,d	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	-7.7	-1.1	3.9	13.9	0.0	13.9
ID21 - 132 kV switching compound	Point	Leq,d			75.0	75.0		0	147.71	-54.4	1.7	-5.0	-0.9	3.1	19.4	0.0	19.4
ID22 - Private wire transformer	Point	Leq,d			72.4	72.4		0	207.81	-57.3	0.7	-8.1	-0.5	6.6	13.8	0.0	13.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	66.5	40.2	0	191.02	-56.6	0.9	-7.3	-0.3	3.9	7.1	0.0	7.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.9	69.8	3	187.86	-56.5	1.5	-5.1	-0.3	2.9	14.4	0.0	14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-21.6	-0.3	3.5	-2.2	0.0	-2.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-17.6	-0.2	6.3	1.5	0.0	1.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,d	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-18.0	-0.2	4.1	2.5	0.0	2.5
ID24 - Water recooling system (full load)	Area	Leq,d			67.6	89.1	139.9	0	202.94	-57.1	1.7	-4.7	-1.7	7.3	34.5	0.0	34.5
A - HGVs (accessing site)	Line	Leq,e			66.1	92.3	422.8	0	122.38	-52.7	2.2	-8.4	-0.5	3.3	36.1	-3.0	33.1
A - HGVs (leaving site)	Line	Leq,e			66.1	91.6	353.8	0	111.22	-51.9	2.0	-8.6	-0.4	3.7	36.4	-3.0	33.4
B - Loader (external movements)	Line	Leq,e			57.2	83.9	476.8	0	307.61	-60.8	3.8	-14.5	-0.9	5.9	17.6	-3.0	14.1
D - Exhaust Steam Pipe	Line	Leq,e			75.6	92.0	43.6	0	271.28	-59.7	1.6	-11.5	-1.3	4.6	25.8	0.0	25.8
D - Exhaust Steam Pipe	Line	Leq,e			72.8	92.0	83.2	0	272.16	-59.7	1.6	-10.7	-1.3	5.3	27.2	0.0	27.2

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.3	-2.8	5.7	12.6	-2.0	10.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.4	10.4	-2.0	8.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.5	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.8	-2.8	2.3	11.1	-2.0	9.0
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,e	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.8	-3.0	2.3	5.4	-2.0	3.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.8	-3.9	2.3	20.0	-6.0	14.1
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,e	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.3	-3.6	3.0	21.7	-6.0	15.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.5	-0.8	2.7	-23.0	0.0	-23.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-21.0	-2.0	3.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-24.3	-0.9	2.2	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-24.4	-0.9	2.2	-31.8	0.0	-31.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.7	-0.9	2.1	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-22.1	-0.8	1.8	-26.4	0.0	-26.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	3.4	11.8	0.0	11.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-24.3	-0.9	2.2	-30.4	0.0	-30.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.4	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-24.1	-0.8	2.5	-30.6	0.0	-30.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-23.5	-0.8	2.3	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.4	-0.9	2.2	-26.7	0.0	-26.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-21.2	-0.6	3.8	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.9	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,e	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-9.3	-0.8	5.9	-9.4	0.0	-9.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-21.1	-1.8	2.2	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-24.7	-2.4	2.3	-8.5	0.0	-8.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.7	-2.3	2.3	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-24.6	-2.3	2.3	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,e	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-24.2	-2.2	2.5	-1.8	0.0	-1.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-4.9	-2.0	6.6	20.2	0.0	20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-24.6	-2.2	2.3	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.5	-2.1	2.4	1.4	0.0	1.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-21.4	-1.8	1.8	-3.8	0.0	-3.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-23.5	-1.9	2.6	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,e	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-8.5	-2.0	4.8	12.9	0.0	12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-21.9	-1.3	1.4	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	92.6	2381.2	3	263.90	-59.4	2.0	-5.4	-1.6	4.7	35.9	0.0	35.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-5.8	-1.6	3.7	35.5	0.0	35.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,e	85.6	24.0	58.9	93.1	2628.3	0	276.14	-59.8	1.8	-10.2	-1.2	2.2	25.8	0.0	25.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-24.3	-1.3	5.4	3.0	0.0	3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	81.7	193.8	0	237.19	-58.5	1.8	-18.3	-1.1	11.9	17.5	0.0	17.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-23.8	-1.3	5.9	14.9	0.0	14.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-11.7	-1.3	4.4	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,e	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-24.1	-1.3	7.0	15.5	0.0	15.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-8.2	-1.2	3.8	29.8	0.0	29.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	87.5	729.8	0	224.53	-58.0	1.8	-7.3	-1.2	4.2	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-9.6	-1.2	4.7	27.5	0.0	27.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-23.9	-1.2	6.4	15.7	0.0	15.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,e	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-23.5	-1.2	3.3	11.6	0.0	11.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	0	200.54	-57.0	1.8	-9.0	-0.9	4.8	21.3	0.0	21.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.0	3	195.87	-56.8	2.5	-6.4	-1.0	2.9	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.4	-6.6	-1.0	5.1	27.7	0.0	27.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-22.5	-0.9	5.6	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-22.6	-1.0	9.6	13.2	0.0	13.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	97.9	0	211.83	-57.5	1.7	-8.9	-1.0	4.4	20.5	0.0	20.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.9	101.0	3	207.35	-57.3	2.5	-6.2	-1.1	2.6	25.3	0.0	25.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-6.4	-1.1	3.6	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-22.6	-1.0	9.6	15.7	0.0	15.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,e	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-22.6	-1.0	3.7	6.8	0.0	6.8
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,e			89.5	89.5		0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-18.8	-0.3	4.1	2.2	0.0	2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-19.9	-0.3	3.6	5.3	0.0	5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	79.2	755.8	3	259.92	-59.3	2.0	-5.4	-0.5	4.2	23.2	0.0	23.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	77.0	457.8	0	261.74	-59.3	1.4	-6.8	-0.4	6.5	18.4	0.0	18.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,e	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.1	-5.0	-0.4	3.1	16.5	0.0	16.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-22.3	-0.4	3.9	8.7	0.0	8.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-22.3	-0.4	5.8	8.3	0.0	8.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-21.0	-0.3	3.3	7.3	0.0	7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-21.5	-0.3	5.0	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,e	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-21.6	-0.3	3.8	6.3	0.0	6.3
ID14 - Main transformer	Point	Leq,e			72.4	72.4		0	199.80	-57.0	0.8	-4.7	-0.7	4.1	14.8	0.0	14.8
ID16 - Air cooled condenser	Area	Leq,e			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-9.4	-0.6	3.8	33.7	0.0	33.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-10.5	-1.8	5.0	30.2	0.0	30.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-23.2	-0.7	7.9	-7.5	0.0	-7.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-8.5	-0.7	3.7	2.5	0.0	2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	63.4	1175.5	3	232.03	-58.3	0.3	-4.3	-0.7	3.0	6.4	0.0	6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,e	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-22.6	-0.7	2.0	-15.2	0.0	-15.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	-5.4	-1.0	3.7	29.5	0.0	29.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-23.2	-1.1	5.4	11.5	0.0	11.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-23.1	-1.0	14.5	22.8	0.0	22.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	86.0	653.6	0	195.72	-56.8	1.1	-9.3	-0.9	5.6	25.7	0.0	25.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,e	84.6	24.0	57.9	83.2	338.0	3	181.18	-56.2	1.5	-5.6	-1.0	4.3	29.2	0.0	29.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,e	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	-7.7	-1.1	3.9	13.9	0.0	13.9
ID21 - 132 kV switching compound	Point	Leq,e			75.0	75.0		0	147.71	-54.4	1.7	-5.0	-0.9	3.1	19.4	0.0	19.4
ID22 - Private wire transformer	Point	Leq,e			72.4	72.4		0	207.81	-57.3	0.7	-8.1	-0.5	6.6	13.8	0.0	13.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	66.5	40.2	0	191.02	-56.6	0.9	-7.3	-0.3	3.9	7.1	0.0	7.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.9	69.8	3	187.86	-56.5	1.5	-5.1	-0.3	2.9	14.4	0.0	14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-21.6	-0.3	3.5	-2.2	0.0	-2.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-17.6	-0.2	6.3	1.5	0.0	1.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,e	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-18.0	-0.2	4.1	2.5	0.0	2.5
ID24 - Water recooling system (full load)	Area	Leq,e			67.6	89.1	139.9	0	202.94	-57.1	1.7	-4.7	-1.7	7.3	34.5	0.0	34.5
A - HGVs (accessing site)	Line	Leq,n			66.1	92.3	422.8	0	122.38	-52.7	2.2	-8.4	-0.5	3.3	36.1		
A - HGVs (leaving site)	Line	Leq,n			66.1	91.6	353.8	0	111.22	-51.9	2.0	-8.6	-0.4	3.7	36.4		
B - Loader (external movements)	Line	Leq,n			57.2	83.9	476.8	0	307.61	-60.8	3.8	-14.5	-0.9	5.9	17.6		
D - Exhaust Steam Pipe	Line	Leq,n			75.6	92.0	43.6	0	271.28	-59.7	1.6	-11.5	-1.3	4.6	25.8	0.0	25.8
D - Exhaust Steam Pipe	Line	Leq,n			72.8	92.0	83.2	0	272.16	-59.7	1.6	-10.7	-1.3	5.3	27.2	0.0	27.2
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.8	587.3	3	342.50	-61.7	2.9	-24.3	-2.8	5.7	12.6	-3.0	9.6
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	971.2	3	370.24	-62.4	3.0	-24.6	-3.0	2.4	10.4	-3.0	7.4
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	95.6	2230.2	0	352.10	-61.9	2.3	-24.8	-2.9	2.5	10.7	0.0	10.7
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	92.0	970.2	3	334.35	-61.5	2.7	-24.8	-2.8	2.3	11.1	-3.0	8.1
ID02 - Tipping hall-ID02 - Tipping hall	Area	Leq,n	89.0	24.0	62.1	89.9	591.7	0	361.10	-62.1	3.1	-24.8	-3.0	2.3	5.4	-3.0	2.4
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	373.53	-62.4	4.3	-24.8	-3.9	2.3	20.0	-24.0	-4.0

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	l or A m,m <sup>2</sup>	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID02 - Tipping hall-ID02 - Tipping hall (door)	Area	Leq,n	89.0	1.0	86.0	101.6	36.0	3	355.33	-62.0	4.1	-24.3	-3.6	3.0	21.7	-24.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	55.9	1612.2	3	297.84	-60.5	1.2	-24.5	-0.8	2.7	-23.0	0.0	-23.0
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	80.0	753.3	0	304.79	-60.7	2.2	-21.0	-2.0	3.1	1.6	0.0	1.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.6	240.7	0	340.28	-61.6	1.6	-24.3	-0.9	2.2	-35.4	0.0	-35.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.8	247.7	3	316.56	-61.0	1.5	-24.4	-0.9	2.2	-31.8	0.0	-31.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.1	852.7	3	324.60	-61.2	1.0	-23.7	-0.9	2.1	-26.5	0.0	-26.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	51.6	597.0	3	307.39	-60.7	0.9	-22.1	-0.8	1.8	-26.4	0.0	-26.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	83.4	1637.5	0	316.86	-61.0	2.1	-14.1	-2.0	3.4	11.8	0.0	11.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	49.4	357.6	3	328.41	-61.3	1.6	-24.3	-0.9	2.2	-30.4	0.0	-30.4
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	77.8	447.8	0	333.78	-61.5	2.2	-24.8	-2.3	2.4	-6.3	0.0	-6.3
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	245.7	3	291.79	-60.3	1.4	-24.1	-0.8	2.5	-30.6	0.0	-30.6
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	47.7	242.3	3	297.00	-60.4	0.5	-23.5	-0.8	2.3	-31.2	0.0	-31.2
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	53.8	993.5	3	336.85	-61.5	1.2	-24.4	-0.9	2.2	-26.7	0.0	-26.7
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	48.9	323.5	3	289.06	-60.2	0.9	-21.2	-0.6	3.8	-25.5	0.0	-25.5
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	24.0	51.3	75.3	255.5	0	292.39	-60.3	1.9	-6.1	-2.0	4.9	13.8	0.0	13.8
ID04 - Waste bunker building-ID04 - Waste bunker building	Area	Leq,n	78.0	49.0	23.8	50.6	473.9	3	284.43	-60.1	1.2	-9.3	-0.8	5.9	-9.4	0.0	-9.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	76.7	350.4	3	308.57	-60.8	1.9	-21.1	-1.8	2.2	0.2	0.0	0.2
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	141.2	3	341.34	-61.7	2.2	-24.7	-2.4	2.3	-8.5	0.0	-8.5
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.9	583.1	3	337.94	-61.6	2.2	-24.7	-2.3	2.3	-2.3	0.0	-2.3
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.5	209.9	3	329.50	-61.3	2.1	-24.6	-2.3	2.3	-6.4	0.0	-6.4
ID04 - Waste bunker building-ID04 - Waste bunker building (top - cladding)	Area	Leq,n	78.0	24.0	51.3	78.3	500.5	3	325.74	-61.2	2.1	-24.2	-2.2	2.5	-1.8	0.0	-1.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	75.7	278.1	3	285.66	-60.1	1.9	-4.9	-2.0	6.6	20.2	0.0	20.2
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	145.4	3	317.80	-61.0	2.1	-24.6	-2.2	2.3	-7.6	0.0	-7.6
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	81.0	946.2	3	299.08	-60.5	2.2	-24.5	-2.1	2.4	1.4	0.0	1.4
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.9	144.2	3	293.01	-60.3	2.1	-21.4	-1.8	1.8	-3.8	0.0	-3.8
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	72.8	142.2	3	298.26	-60.5	1.8	-23.5	-1.9	2.6	-5.7	0.0	-5.7
ID04 - Waste bunker building-ID04 - Waste bunker building (Top - cladding)	Area	Leq,n	78.0	24.0	51.3	74.0	189.8	3	290.28	-60.2	1.8	-8.5	-2.0	4.8	12.9	0.0	12.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2371.1	0	284.20	-60.1	1.8	-21.9	-1.3	1.4	12.6	0.0	12.6
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2749.5	3	296.14	-60.4	1.8	-24.1	-1.5	2.0	14.0	0.0	14.0
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	92.6	2381.2	3	263.90	-59.4	2.0	-5.4	-1.6	4.7	35.9	0.0	35.9
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.3	2781.3	3	252.06	-59.0	1.9	-5.8	-1.6	3.7	35.5	0.0	35.5
ID05 - Boiler house building-ID05 - Boiler house building	Area	Leq,n	85.6	24.0	58.9	93.1	2628.3	0	276.14	-59.8	1.8	-10.2	-1.2	2.2	25.8	0.0	25.8
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.1	133.0	0	243.68	-58.7	2.0	-24.3	-1.3	5.4	3.0	0.0	3.0
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	81.7	193.8	0	237.19	-58.5	1.8	-18.3	-1.1	11.9	17.5	0.0	17.5
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	717.8	3	233.78	-58.4	2.0	-23.8	-1.3	5.9	14.9	0.0	14.9
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	80.0	128.7	3	230.02	-58.2	2.0	-11.7	-1.3	4.4	18.2	0.0	18.2
ID07a - APC plant, silos and reactors-ID07a - APC plant, silos and reactors	Area	Leq,n	85.6	24.0	58.9	87.4	715.6	3	239.19	-58.6	2.0	-24.1	-1.3	7.0	15.5	0.0	15.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.1	829.1	3	213.84	-57.6	2.0	-8.2	-1.2	3.8	29.8	0.0	29.8
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	87.5	729.8	0	224.53	-58.0	1.8	-7.3	-1.2	4.2	27.0	0.0	27.0
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	555.0	3	216.50	-57.7	2.1	-9.6	-1.2	4.7	27.5	0.0	27.5
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	88.0	815.6	3	233.66	-58.4	1.8	-23.9	-1.2	6.4	15.7	0.0	15.7
ID07b - Bag filter houses-ID07b - Bag filter houses	Area	Leq,n	85.6	24.0	58.9	86.3	554.4	3	231.18	-58.3	1.9	-23.5	-1.2	3.3	11.6	0.0	11.6
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	0	200.54	-57.0	1.8	-9.0	-0.9	4.8	21.3	0.0	21.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.0	3	195.87	-56.8	2.5	-6.4	-1.0	2.9	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	95.3	3	198.11	-56.9	2.4	-6.6	-1.0	5.1	27.7	0.0	27.7
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.9	3	204.72	-57.2	2.5	-22.5	-0.9	5.6	12.2	0.0	12.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.6	0	202.50	-57.1	2.5	-22.6	-1.0	9.6	13.2	0.0	13.2
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	97.9	0	211.83	-57.5	1.7	-8.9	-1.0	4.4	20.5	0.0	20.5
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.9	101.0	3	207.35	-57.3	2.5	-6.2	-1.1	2.6	25.3	0.0	25.3
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.7	97.0	3	209.00	-57.4	2.5	-6.4	-1.1	3.6	25.9	0.0	25.9
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	98.5	3	215.76	-57.7	2.5	-22.6	-1.0	9.6	15.7	0.0	15.7

medworthEfW Mean propagation Leq - EfW CHP Facility, Turbine Bypass Mode Operation, Weekdays, With Acoustic Barrier to 10 New Bridge Lane

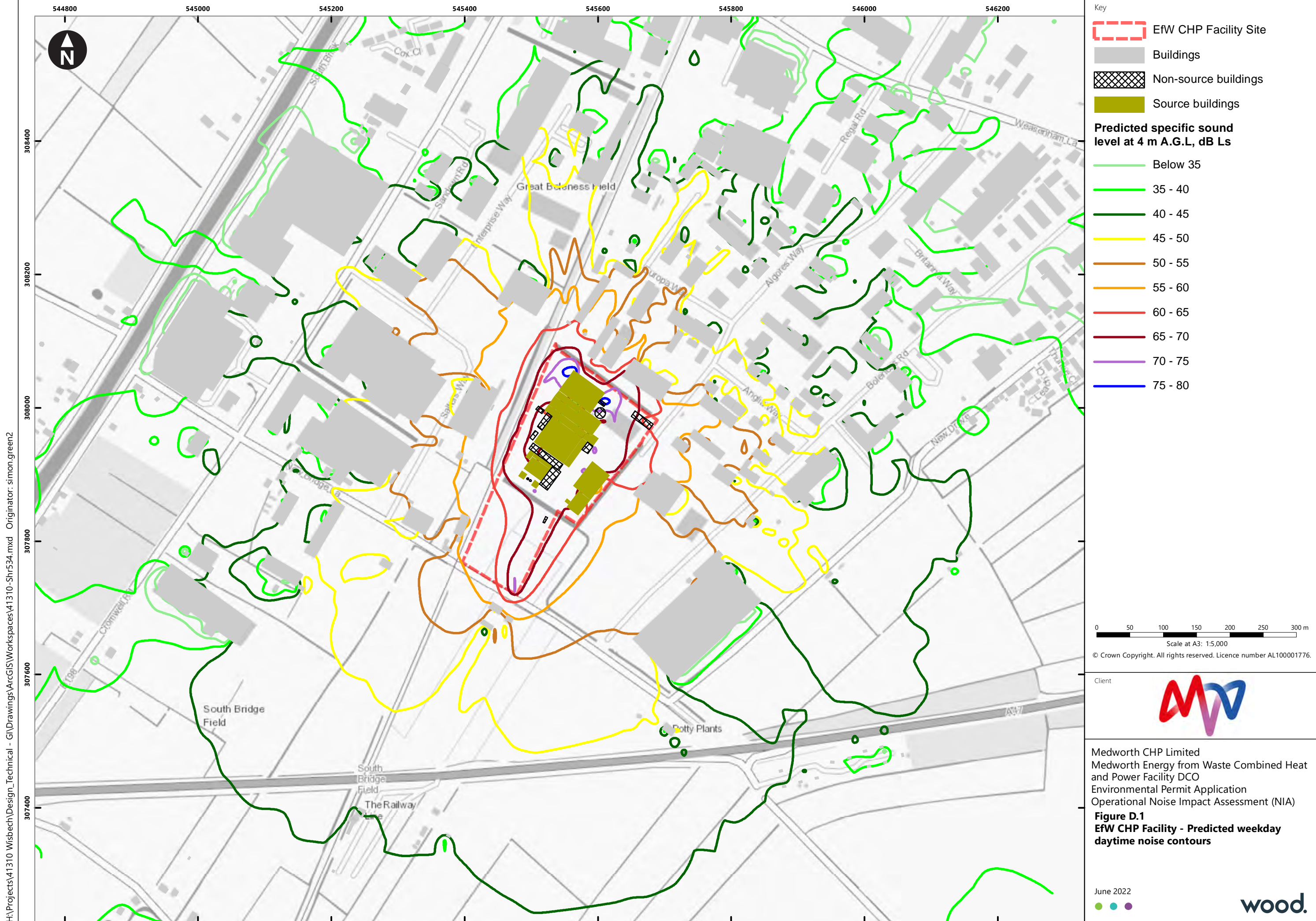
Source	Source type	Time slice	Li dB(A)	Rw dB	L'w dB(A)	Lw dB(A)	I or A m.m²	Ko dB	S m	Adiv dB	Agr dB	Abar dB	Aatm dB	dLrefl dB(A)	Ls dB(A)	dLw dB	Lr dB(A)
ID08 - Induced draft fans buildings-ID08 - Induced draft fans buildings	Area	Leq,n	88.6	24.0	61.9	81.8	99.3	0	214.10	-57.6	2.5	-22.6	-1.0	3.7	6.8	0.0	6.8
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	223.26	-58.0	1.3	-3.6	-0.8	1.9	30.3	0.0	30.3
ID09 - Chimney outlets	Point	Leq,n			89.5	89.5		0	225.46	-58.1	1.3	-3.4	-0.8	1.8	30.3	0.0	30.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.4	156.8	3	285.16	-60.1	2.0	-18.8	-0.3	4.1	2.2	0.0	2.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	757.6	0	262.44	-59.4	2.1	-19.9	-0.3	3.6	5.3	0.0	5.3
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	79.2	755.8	3	259.92	-59.3	2.0	-5.4	-0.5	4.2	23.2	0.0	23.2
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	77.0	457.8	0	261.74	-59.3	1.4	-6.8	-0.4	6.5	18.4	0.0	18.4
ID10 - Switchgear building-ID10 - Switchgear building	Area	Leq,n	75.0	24.0	50.4	72.3	153.0	3	239.42	-58.6	2.1	-5.0	-0.4	3.1	16.5	0.0	16.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	102.5	3	240.77	-58.6	2.5	-22.3	-0.4	3.9	8.7	0.0	8.7
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	78.5	64.2	3	248.34	-58.9	2.5	-22.3	-0.4	5.8	8.3	0.0	8.3
ID13 - Compressed air station-ID10 - Switchgear building	Area	Leq,n	85.0	24.0	60.4	78.4	63.0	3	237.12	-58.5	2.4	-21.0	-0.3	3.3	7.3	0.0	7.3
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.5	102.3	0	242.72	-58.7	1.4	-21.5	-0.3	5.0	6.5	0.0	6.5
ID13 - Compressed air station-ID13 - Compressed air station	Area	Leq,n	85.0	24.0	60.4	80.6	103.5	0	244.57	-58.8	2.5	-21.6	-0.3	3.8	6.3	0.0	6.3
ID14 - Main transformer	Point	Leq,n			72.4	72.4		0	199.80	-57.0	0.8	-4.7	-0.7	4.1	14.8	0.0	14.8
ID16 - Air cooled condenser	Area	Leq,n			68.6	99.9	1359.7	0	282.43	-60.0	0.0	-9.4	-0.6	3.8	33.7	0.0	33.7
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	24.0	62.1	94.2	1589.6	0	235.37	-58.4	1.8	-10.5	-1.8	5.0	30.2	0.0	30.2
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1174.8	3	237.54	-58.5	0.5	-23.2	-0.7	7.9	-7.5	0.0	-7.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	843.8	3	212.28	-57.5	0.5	-8.5	-0.7	3.7	2.5	0.0	2.5
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	63.4	1175.5	3	232.03	-58.3	0.3	-4.3	-0.7	3.0	6.4	0.0	6.4
ID17 - Turbine hall-ID17 - Turbine hall	Area	Leq,n	89.0	49.0	32.7	62.0	847.2	3	258.72	-59.2	0.4	-22.6	-0.7	2.0	-15.2	0.0	-15.2
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.6	475.7	3	193.91	-56.7	1.3	-5.4	-1.0	3.7	29.5	0.0	29.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.3	351.4	3	210.63	-57.5	1.5	-23.2	-1.1	5.4	11.5	0.0	11.5
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	84.7	478.5	3	196.96	-56.9	1.7	-23.1	-1.0	14.5	22.8	0.0	22.8
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	86.0	653.6	0	195.72	-56.8	1.1	-9.3	-0.9	5.6	25.7	0.0	25.7
ID18 - Water treatment plant-ID18 - Water treatment plant	Area	Leq,n	84.6	24.0	57.9	83.2	338.0	3	181.18	-56.2	1.5	-5.6	-1.0	4.3	29.2	0.0	29.2
ID18 - Water treatment plant-Water Treatment Plant Roller Shutter Door	Area	Leq,n	84.6	25.0	58.5	69.3	12.0	3	182.00	-56.2	2.6	-7.7	-1.1	3.9	13.9	0.0	13.9
ID21 - 132 kV switching compound	Point	Leq,n			75.0	75.0		0	147.71	-54.4	1.7	-5.0	-0.9	3.1	19.4	0.0	19.4
ID22 - Private wire transformer	Point	Leq,n			72.4	72.4		0	207.81	-57.3	0.7	-8.1	-0.5	6.6	13.8	0.0	13.8
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	66.5	40.2	0	191.02	-56.6	0.9	-7.3	-0.3	3.9	7.1	0.0	7.1
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.9	69.8	3	187.86	-56.5	1.5	-5.1	-0.3	2.9	14.4	0.0	14.4
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.2	59.2	3	189.85	-56.6	1.5	-21.6	-0.3	3.5	-2.2	0.0	-2.2
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.0	56.9	0	191.50	-56.6	1.7	-17.6	-0.2	6.3	1.5	0.0	1.5
ID23 - Private wire switchgear compound-ID23 - Private wire switchgear compound	Area	Leq,n	75.0	24.0	50.4	68.8	68.8	3	193.54	-56.7	1.6	-18.0	-0.2	4.1	2.5	0.0	2.5
ID24 - Water recooling system (full load)	Area	Leq,n			67.6	89.1	139.9	0	202.94	-57.1	1.7	-4.7	-1.7	7.3	34.5	0.0	34.5



## Appendix D: Operational Noise Assessment Data

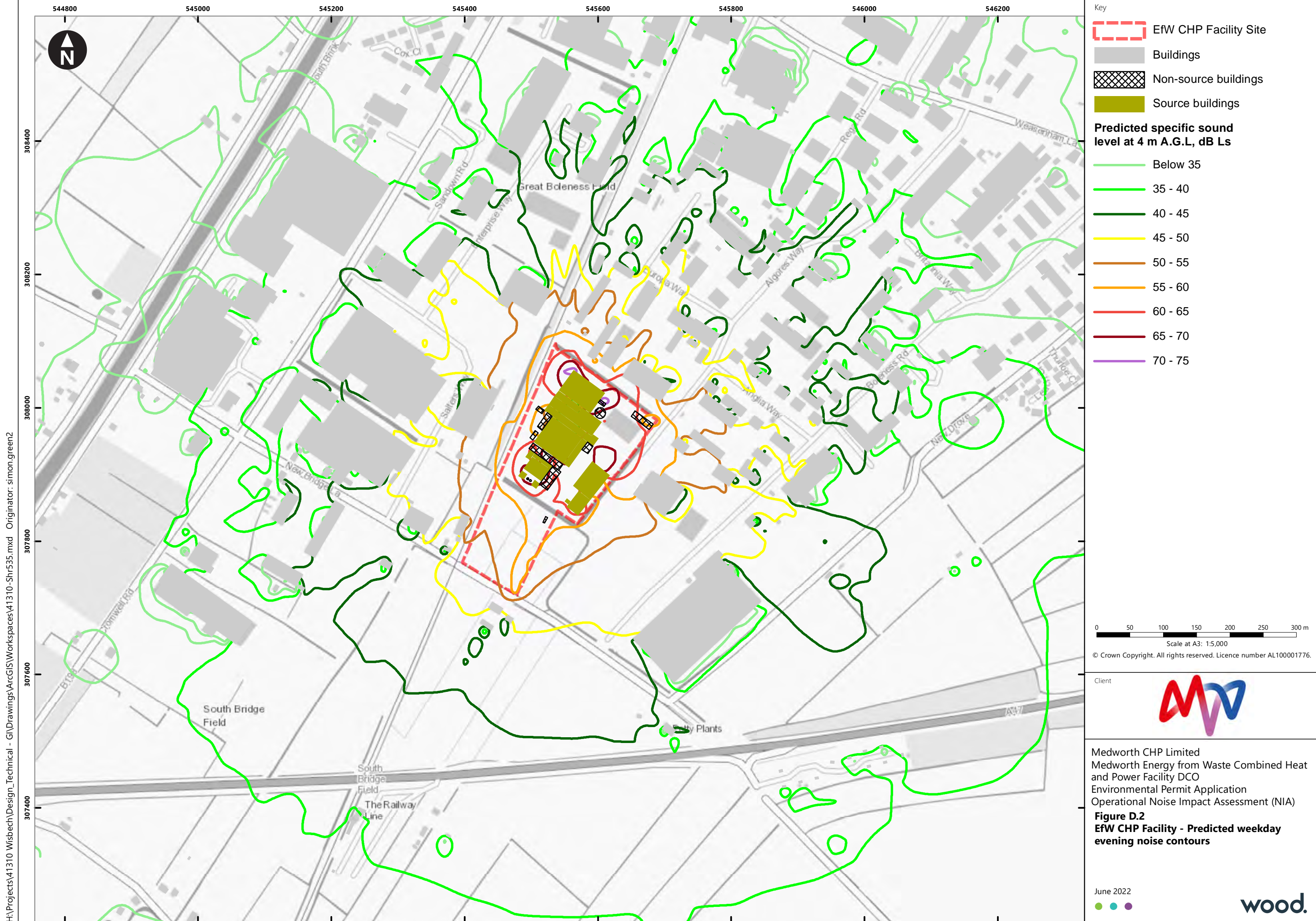
### Predicted noise contour figures





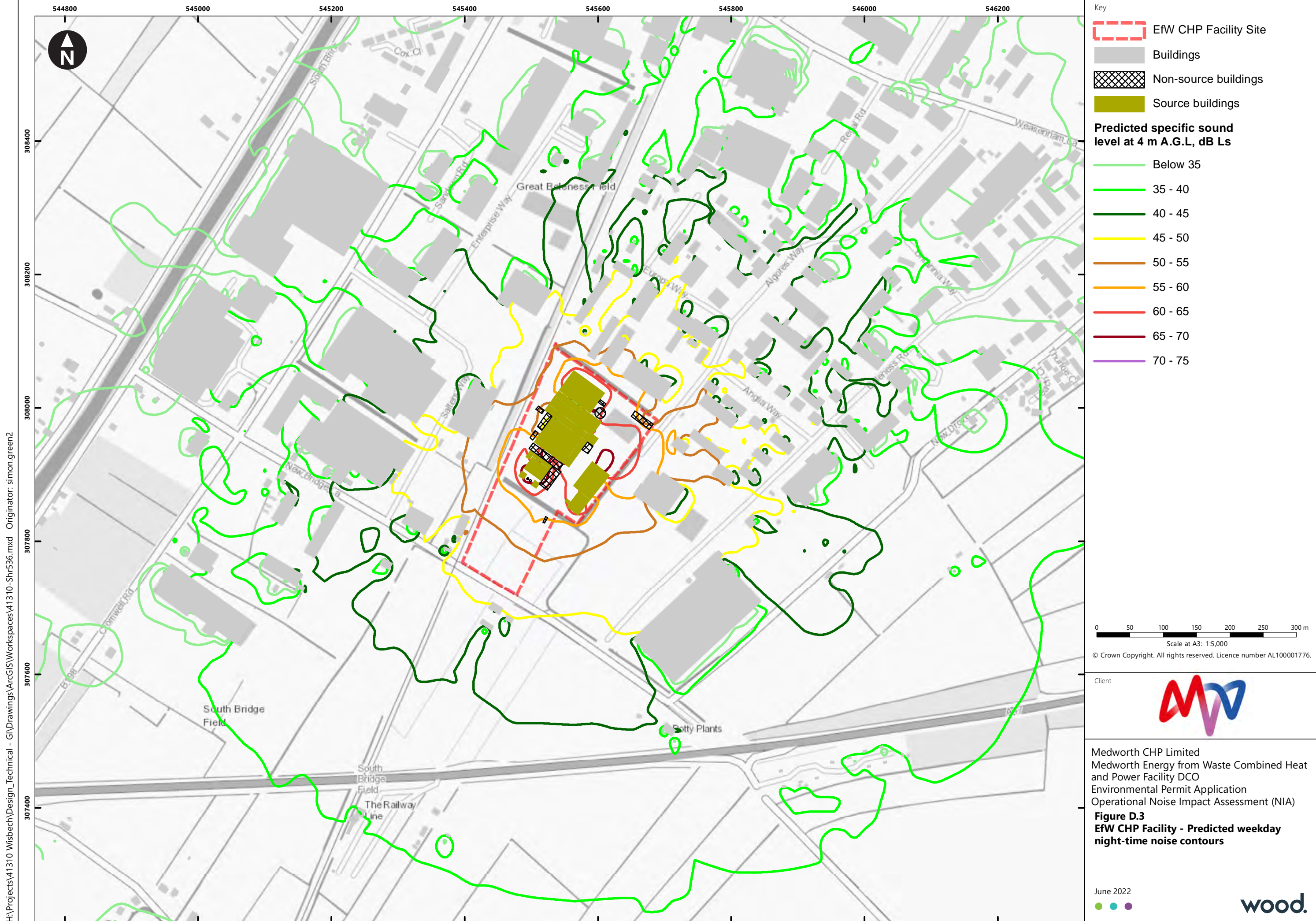
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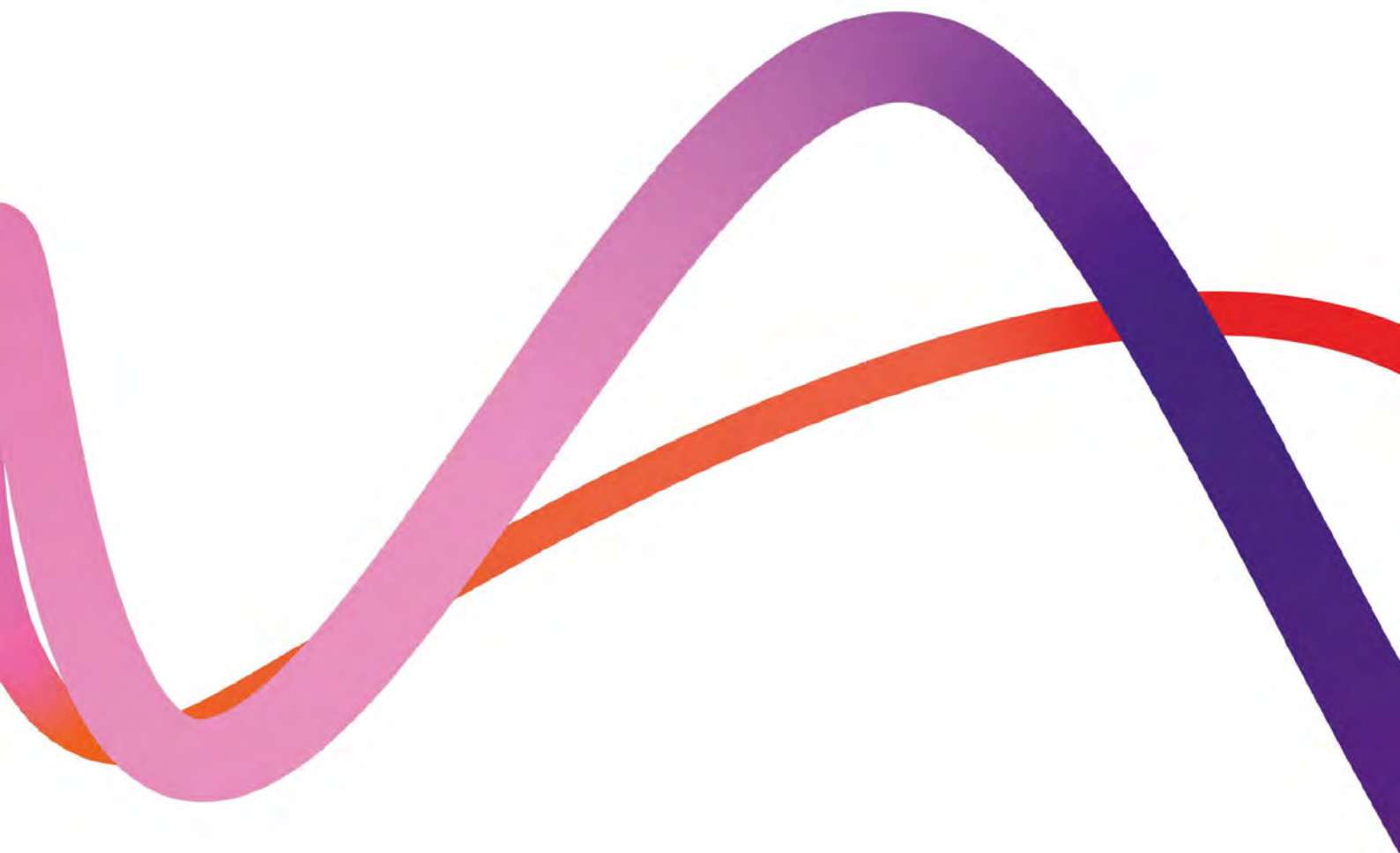


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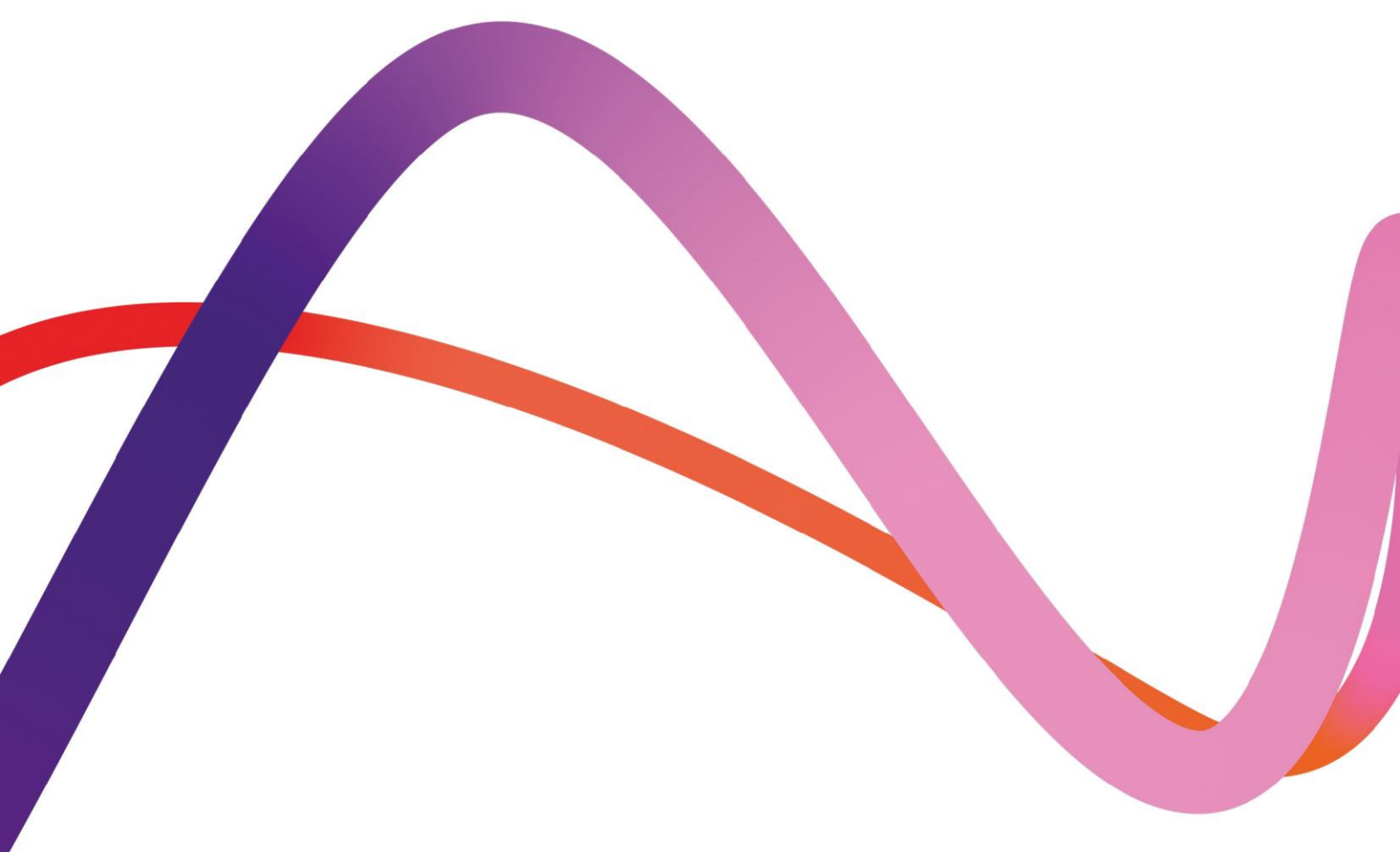
# Annex E Outline Management Plan

# Operational

# Noise

# Medworth Energy from Waste Combined Heat and Power Facility

PINS ref. EN010110  
Document Reference Vol 6.4  
Revision 1.0  
June 2022



## Environmental Statement Technical Appendix

# Appendix 7D Outline Operational Noise Management Plan

June 2022

Regulation reference: The Infrastructure  
Planning (Applications: Prescribed Forms  
and Procedure) Regulations 2009  
Regulation 5(2)(a)

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# Executive summary

## Purpose of this report

This outline Operational Noise Management Plan (ONMP) presents the noise management and control measures to be implemented during the operation of the EfW CHP Facility. The ONMP also outlines the procedure for the handling and logging of noise complaints, should any arise.

The operator of the Facility will be responsible for the delivery of the measures outlined within this document, the handling and logging of any complaints, and undertaking any investigative and remedial action, as appropriate, following the receipt of any complaints. All personnel working at the Facility will be made aware of the ONMP and the relevant measures and procedures contained herein.

This outline ONMP has been prepared for submission with the DCO and environmental permit application. However, at this stage, precise details of the plant and processes required to operate the EfW CHP Facility are not available. Full plant and process details will be available following completion of the detailed design and selection of plant. This outline ONMP, therefore, presents a generic management plan which contains examples of the types of mitigation and operational controls, that will be used in the final design, to control noise emissions during operation of the EfW CHP Facility.

It is, therefore, anticipated that this ONMP will be updated with further information, detailing the final control measures that will be implemented to control emissions to the environment, following completion of the detailed design and prior to commissioning.



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# 1. Introduction

## 1.1 Background

- 1.1.1 Medworth CHP Limited (the Applicant) is applying to the Secretary of State (SoS) for a Development Consent Order (DCO) to construct operate and maintain an Energy from Waste (EfW) Combined Heat and Power (CHP) Facility on the industrial estate, Algores Way, Wisbech, Cambridgeshire. Together with associated Grid Connection, CHP Connection, Access Improvements, Water Connections, and Temporary Construction Compound (TCC), these works are the Proposed Development.
- 1.1.2 The Proposed Development would recover useful energy in the form of electricity and steam from over half a million tonnes of non-recyclable (residual), non-hazardous municipal, commercial and industrial waste each year. The Proposed Development has a generating capacity of over 50 megawatts and the electricity would be exported to the grid. The Proposed Development would also have the capability to export steam and electricity to users on the surrounding industrial estate. Further information is provided in **Chapter 3: Description of the Proposed Development (Volume 6.2)**.
- 1.1.3 The Proposed Development is a Nationally Significant Infrastructure Project (NSIP) under Part 3 Section 14 of the Planning Act 2008 (2008 Act) by virtue of the fact that the generating station is located in England and has a generating capacity of over 50 megawatts (section 15(2) of the 2008 Act). It, therefore, requires an application for a DCO to be submitted to the Planning Inspectorate (PINS) under the 2008 Act. PINS will examine the application for the Proposed Development and make a recommendation to the SoS for Business, Energy and Industrial Strategy (BEIS) to grant or refuse consent. On receipt of the report and recommendation from PINS, the SoS will then make the final decision on whether to grant the Medworth EfW CHP Facility DCO.

## 1.2 The Applicant and the project team

- 1.2.1 The Applicant is a wholly owned subsidiary of MVV Environment Limited (MVV). MVV is part of the MVV Energie AG group of companies. MVV Energie AG is one of Germany's leading energy companies, employing approx. 6,500 people with assets of around €5 billion and annual sales of around €4.1 billion. The Proposed Development represents an investment of approximately £450m.
- 1.2.2 The company has over 50-years' experience in constructing, operating, and maintaining EfW CHP facilities in Germany and the UK. MVV Energie's portfolio includes a 700,000 tonnes per annum residual EfW CHP facility in Mannheim, Germany.
- 1.2.3 MVV Energie has a growth strategy to be carbon neutral by 2040 and thereafter carbon negative, i.e., climate positive. Specifically, MVV Energie intends to:



- reduce its direct carbon dioxide (CO<sub>2</sub>) emissions by over 80% by 2030 compared to 2018;
- reduce its indirect CO<sub>2</sub> emissions by 82% compared to 2018;
- be climate neutral by 2040; and
- be climate positive from 2040.

1.2.4 MVV's UK business retains the overall group ethos of 'belonging' to the communities it serves whilst benefitting from over 50 years' experience gained by its German sister companies.

1.2.5 MVV's largest project in the UK is the Devonport EfW CHP Facility in Plymouth. Since 2015, this modern and efficient facility has been using around 265,000 tonnes of municipal, commercial and industrial residual waste per year to generate electricity and heat, notably for Her Majesty's Naval Base Devonport in Plymouth, and exporting electricity to the grid.

1.2.6 In Dundee, MVV has taken over the existing Baldovie EfW Facility and has developed a new, modern facility alongside the existing facility. Operating from 2021, it uses up to 220,000 tonnes of municipal, commercial and industrial waste each year as fuel for the generation of usable energy.

1.2.7 Biomass is another key focus of MVV's activities in the UK market. The biomass power plant at Ridham Dock, Kent, uses up to 195,000 tonnes of waste and non-recyclable wood per year to generate green electricity and is capable of exporting heat.

1.2.8 To prepare the ES for the Proposed Development, the Applicant has engaged Wood Group UK Limited (Wood). Wood is registered with the Institute of Environmental Management and Assessment (IEMA)'s Environmental Impact Assessment (EIA) Quality Mark scheme. The scheme allows organisations that lead the co-ordination of EIAs in the UK to make a commitment to excellence in their EIA activities and have this commitment independently reviewed.

## 1.3 The Proposed Development

1.3.1 The Proposed Development comprises the following key elements:

- The EfW CHP Facility;
- CHP Connection;
- Temporary Construction Compound (TCC);
- Access Improvements;
- Water Connections; and
- Grid Connection.

1.3.2 A summary description of each Proposed Development element is provided below. A more detailed description is provided in **ES Chapter 3: Description of the Proposed Development (Volume 6.2)** of the ES. A list of terms and abbreviations



can be found in **Chapter 1 Introduction, Appendix 1F Terms and Abbreviations (Volume 6.4)**.

- **EfW CHP Facility Site:** A site of approximately 5.3ha located south-west of Wisbech, located within the administrative areas of Fenland District Council and Cambridgeshire County Council. The main buildings of the EfW CHP Facility would be located in the area to the north of the Hundred of Wisbech Internal Drainage Board (HWIDB) drain bisecting the site and would house many development elements including the tipping hall, waste bunkers, boiler house, turbine hall, air cooled condenser, air pollution control building, chimneys and administration building. The gatehouse, weighbridges, 132kV switching compound and laydown maintenance area would be located in the southern section of the EfW CHP Facility Site.
- **CHP Connection:** The EfW CHP Facility would be designed to allow the export of steam and electricity from the facility to surrounding business users via dedicated pipelines and private wire cables located along the disused March to Wisbech railway. The pipeline and cables would be located on a raised, steel structure.
- **TCC:** Located adjacent to the EfW CHP Facility Site, the compound would be used to support the construction of the Proposed Development. The compound would be in place for the duration of construction.
- **Access Improvements:** includes access improvements on New Bridge Lane (road widening and site access) and Algores Way (relocation of site access 20m to the south).
- **Water Connections:** A new water main connecting the EfW CHP Facility into the local network will run underground from the EfW CHP Facility Site along New Bridge Lane before crossing underneath the A47 (open cut trenching or horizontal directional drilling (HDD)) to join an existing Anglian Water main. An additional foul sewer connection is required to an existing pumping station operated by Anglian Water located to the northeast of the Algores Way site entrance and into the EfW CHP Facility Site.
- **Grid Connection:** This comprises a 132kV electrical connection using underground cables. The Grid Connection route begins at the 132kV switching compound in the EfW CHP Facility Site and runs underneath New Bridge Lane, before heading north within the verge of the A47 to the Walsoken Substation on Broadend Road. From this point the cable would be connected underground to the Walsoken DNO Substation.

## 1.4 Purpose of this Document

- 1.4.1 This document presents noise control measures for the operational phase of the EfW CHP Facility forming a component part of the Proposed Development.
- 1.4.2 This outline ONMP has been prepared for submission with the DCO and Environmental Permit (EP) application. An EP will be required to operate the EfW CHP Facility in accordance with the Environmental Permitting (England and Wales)



Regulations 2016<sup>1</sup> as amended (EPR). However, at this stage, precise details of the plant and processes required to operate the EfW CHP Facility are not available. Full plant and process details will be available following completion of the detailed design and selection of plant. This outline ONMP, therefore, presents a generic management plan which contains examples of the types of mitigation and operational controls, that may be used in the final design, to control noise emissions during operation of the EfW CHP Facility.

- 1.4.3 It is anticipated that this ONMP will be updated further information will be submitted to the Environment Agency (EA), within an updated ONMP, detailing the final control measures that will be implemented to control emissions to the environment, following completion of the detailed design and prior to commissioning.
- 1.4.4 This outline ONMP presents the noise management and control measures to be implemented during the operation of the EfW CHP Facility. The outline ONMP also outlines the procedure for the handling and logging of noise complaints, should any arise.
- 1.4.5 The operator of the EfW CHP Facility, Medworth CHP Ltd, will be responsible for the delivery of the measures outlined within this document, the handling and logging of any complaints, and undertaking any investigative and remedial action, as appropriate, following the receipt of any complaints. All personnel working at the EfW CHP Facility will be made aware of the ONMP and the relevant measures and procedures contained herein.
- 1.4.6 Significant levels of groundborne noise and vibration are not anticipated during the operation of the EfW CHP Facility. As such, no controls to prevent or reduce emissions of groundborne noise are considered in this outline ONMP.
- 1.4.7 The ONMP will be reviewed on a regular basis, at a minimum of once a year, and this review should consider the effectiveness of the ONMP and the measures included, and account for any variation to the proposed operational processes. Any revisions to the ONMP shall be communicated to all staff working at the EfW CHP Facility.

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<sup>1</sup> HMSO, 2016. Environmental Permitting Regulations (as amended). [Accessed 12 April 2022].



## 2. Operational noise and vibration management guidance

- 2.1.1 The principals of noise management planning for permitted sites are set out in the EA guidance – Noise and vibration management: environmental permits<sup>2</sup>. The guidance provides recommended constituents of a noise management plan (NMP) and identifies that compliance with NMP is an excellent way of demonstrating that site operations are properly controlled.
- 2.1.2 The NMP should demonstrate competence and commitment to controlling noise pollution. It should be clear that the noise pollution potential of any process is understood, and that systems are in place to manage that risk effectively.
- 2.1.3 Having an NMP does not necessarily mean the regulator will consider that all appropriate measures needed are included and implemented. If the regulator considers that the NMP is not sufficient for its purpose, they may suggest improvements.
- 2.1.4 NMPs should be reviewed, typically once a year. Any such review should consider land use around the facility and any future developments that could be affected by emissions to the environment.
- 2.1.5 The scope and level of detail in the NMP should be enough to show that noise emissions from the site are effectively managed.
- 2.1.6 The recommended constituents of a “Good NMP” are
- a clear statement that responsibilities for controlling noise impact are understood and accepted, and that the effectiveness of NMP will be constantly reviewed;
  - a commitment that the permit holder, contractors or subcontractors, will make sure that any noise control equipment is designed, operated and maintained appropriately so it controls noise effectively at all times;
  - a risk assessment of noise problems from normal and abnormal situations (including worst-case scenarios due to, for example, weather, temperature, or breakdowns, and accidents);
  - details of the appropriate controls (both physical and management) needed to manage the identified risks;
  - confirmation of the level of noise or vibration monitoring that should be in place;
  - details of any noise management actions required, contingencies, and responsibilities when problems arise (particularly including expected actions resulting from exceptional circumstances or where serious pollution may occur);
  - confirmation of the procedures in place to consider reducing or stopping operations to avoid serious noise pollution; and

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<sup>2</sup> Environment Agency, January 2022. Noise and vibration management: environmental permits.



- a procedure for engaging with neighbours to minimise their concerns and respond to complaints.

2.1.7 If the regulator considers certain aspects of the NMP do not meet the expected standard, or it does not have all the appropriate measures needed, the plan should be reviewed and amend the plan.

2.1.8 If not undertaken:

- The regulator may impose a requirement or restriction on your site operations. We would do this in a way that gives you the right to appeal (for example, by varying permit to add site specific improvement conditions or a prescriptive condition); or
- the regulator may refuse (or require improvements to) an application if they consider the NMP to be sub-standard.

2.1.9 Where a permit has been issued, if proposed measures are operating as designed, but are giving rise to an off-site noise issue, then reasonable time will be provided to propose and implement further improvements.

2.1.10 The regulator will set out any requirements in writing and failure to act, or supply requested information, within the specified timescale, is likely to be a breach of permit conditions or the regulations.

2.1.11 It is acknowledged by the regulator that no NMP can cover every eventuality. Even where the plan is executed rigidly, noise pollution may sometimes occur. This situation would indicate that further appropriate measures are necessary.

2.1.12 If a noise pollution incident occurs and the NMP does not meet the regulator's expected standard, this is taken into account in enforcement decisions. It will be more difficult to demonstrate appropriate measures were adopted in any subsequent enforcement action.

2.1.13 Noise emissions from a permitted premises are always the responsibility of the permit holder and immediate enforcement will be considered where:

- NMP procedures are not being followed
- measures in the NMP are not appropriately specified, designed, operated, maintained or managed appropriately; or
- there is a risk of serious impact on human health or the environment.

2.1.14 If rapid action is required to solve a noise problem and that action may contravene something written in your NMP, the regulator would prefer the mitigating action is undertaken. The NMP can be revised in reasonable time after the event.

## 2.2 Incident management plan

2.2.1 It is considered appropriate to append an NMP to the site's accident and incident management plan, in order that noise-related incidents are covered. The NMP should identify the appropriate response to a situation, and who is responsible for taking preventative action and taking action after an incident. The regulator expects





that noise-critical plant is identified and a list of required spares is maintained. This will make sure vital equipment can be repaired quickly.

- 2.2.2 Where any incident occurs with the potential to significantly affect the environment, Articles 7 & 8 of the Industrial Emissions Directive<sup>3</sup> (and corresponding UK legislation) require operators to take immediate actions to limit the environmental consequences.
- 2.2.3 The ultimate control measure when problems arise, is to reduce, or stop, operations to avoid serious noise pollution. The NMP should include a clear statement of the situations in which this could occur and how these will be managed.
- 2.2.4 The NMP should identify the points in the operation where significant noise pollution may occur, and where throughput restrictions or production cessation can be applied.
- 2.2.5 Where continuous throughput is business-critical, the operator must demonstrate that they have suitable measures in place that will prevent the need to reduce or stop production. For example, redundancy is built into the process so standby plant is available to use, if there is a problem with the primary equipment.

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<sup>3</sup> Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions



### 3. Identification of Sensitive Receptors

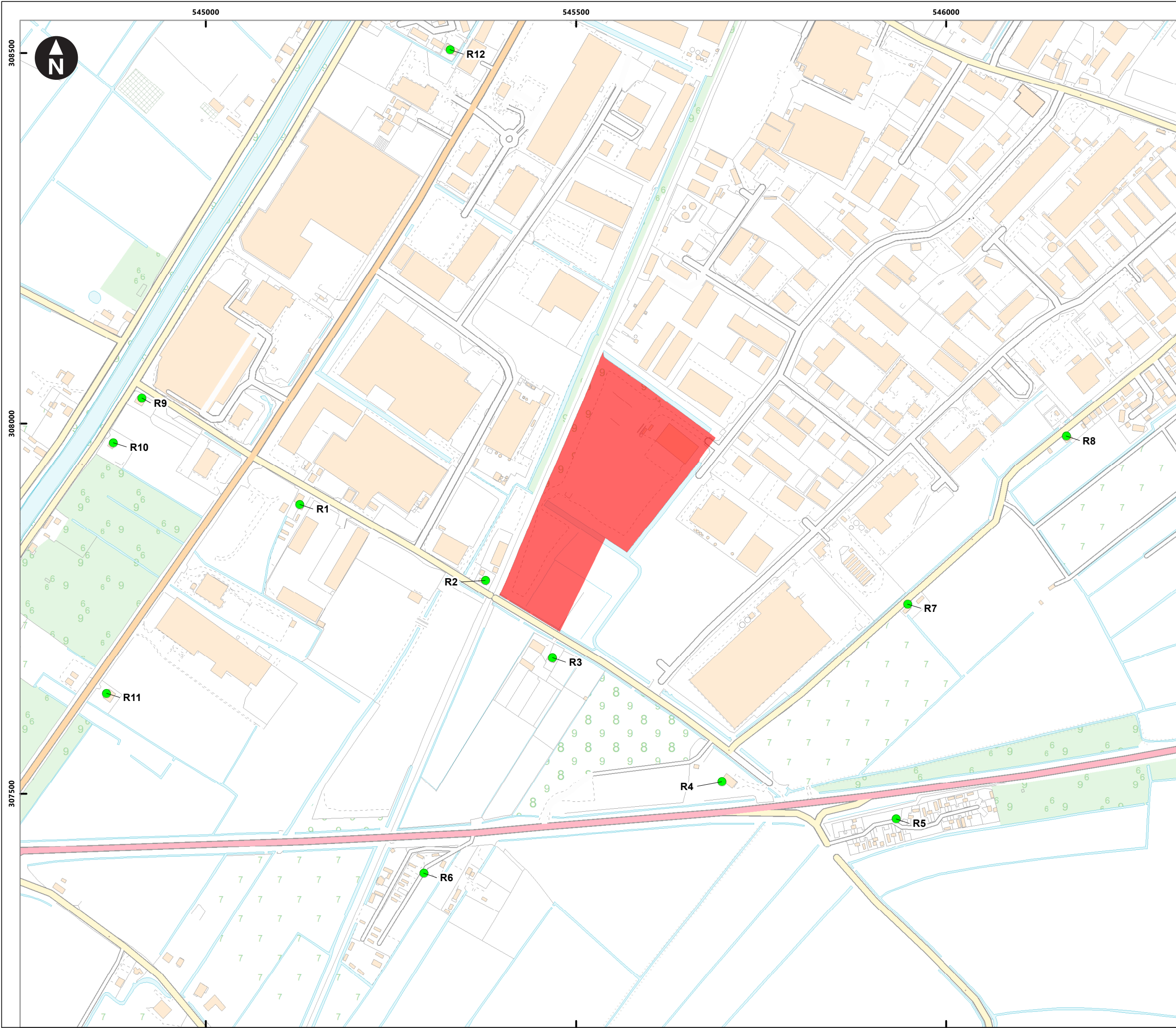
3.1.1 **Table 3.1 Nearest sensitive Receptors** presents a list of the nearest residential noise sensitive Receptors within approximately 500m of the EfW CHP Facility Site. Most of the sensitive Receptor locations listed below are isolated and consist of one or two dwellings (R1, R2, R3, R4, R7, R9, R10, R11). The others are near to/representative of a number of dwellings (R5, R6, R8, R12). All sensitive Receptors are indicated in **Figure 3.1 EfW CHP Facility, nearest residential noise sensitive premises**.

3.1.2 9 New Bridge Lane (R2) will be subject to agreed purchase by the Applicant and will therefore not be a sensitive Receptor during the operation of the EfW CHP Facility.

**Table 3.1 Nearest sensitive Receptors**

ID	Receptor	Direction	Approximate distance from boundary of EfW CHP Facility Site
R1	2 New Bridge Lane	west	300m
R2	9 New Bridge Lane	south-west	20m
R3	10 New Bridge Lane	south-west	30m
R4	Dwelling known as 'Potty Plants' off new Bridge Lane, north of the A47	south	340m
R5	Newbridge Lane Caravan Park	south	400m
R6	Oakdale Place Caravan Site	south	500m
R7	The Chalet, New Drove	south-east	350m
R8	125 New Drove	east	500m
R9	93 South Brink	west	550m
R10	97 South Brink	west	550m
R11	25 Cromwell Road	west	550m
R12	27 - 37 Cox Close	north-west	450m





Key

- EFW CHP Facility Site
- Noise Sensitive Receptors

0 100 200 300 m  
Scale at A3: 1:5,000  
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**Figure 3.1**  
**EfW CHP Facility Site, nearest residential noise sensitive premises**

June 2022





## 4. Site Operation

### 4.1 Operational hours

- 4.1.1 Once operational, the EfW CHP Facility will be capable of processing waste 24-hours a day, up to 365 days a year. Operational hours for the acceptance of waste will be limited to 07:00 to 20:00 hrs. Outside of these hours, to ensure the EfW CHP Facility's continued safe and efficient operation, and for security purposes, a shift team would be present.
- 4.1.2 There may be some occasions when waste deliveries are accepted outside the normal opening hours, for example in the case of an emergency or to accommodate the delivery of waste where vehicles have been unavoidably delayed, or in other similar circumstances. It is therefore proposed that the EfW CHP Facility be able to accept waste outside the operating hours stated above in these circumstances.

### 4.2 Waste deliveries and storage

- 4.2.1 Waste would be delivered to the EfW CHP Facility in HGVs (including but not limited to RCVs and walking floor articulated lorries). These vehicles will enter the enclosed tipping hall, reverse up to the bunker edge and tip the waste into the tipping bunker.
- 4.2.2 Mechanical cranes then transfer waste from the tipping bunker to the main waste bunker. The waste will be mixed and stored in the main waste bunker prior to being loaded into the furnaces by the crane.

### 4.3 Major plant and processes

- 4.3.1 The equipment and systems for the delivery, storage, processing and thermal treatment of waste to generate electricity, include a number of fixed plant items/buildings providing critical functions for the operation of the EfW CHP Facility. These items may contribute to off-site noise emissions.
- 4.3.2 Specific sound levels due to fixed and mobile plant at the EfW CHP Facility were predicted according to the method provided in ISO 9613-2:1996<sup>4</sup> using the 3D noise modelling software package SoundPLAN 8.2. Source sound power levels for all fixed plant items were provided by the Applicant, and data indicating the expected numbers of waste deliveries were as provided in the **EIA Chapter 6: Traffic and Transport (Volume 6.2), Appendix 6B Transport Assessment, Section 6.3 Operational Phase Proposed Development Details (Volume 6.4)**.
- 4.3.3 The noise model used to predict specific sound levels generally assumed flat, acoustically mixed ground, but included topography data for an area 100m beyond the boundary of the EfW CHP Facility Site. Ground at the EfW CHP Facility Site was assumed to be acoustically hard. Existing buildings, outside the EfW CHP Facility

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<sup>4</sup> International Standards Organisation, 1996. ISO 9613-2:1996 Acoustics – Attenuation of sound during propagation outdoors – Part 2: General method of calculation. ISO, London



Site, were included. Specific sound levels were predicted at ground floor and first floor level, and the greater of the two were used in the assessment, except at R3, R5, R6 and R7, as these Receptors are single storey and hence only ground floor level predictions were used at these Receptors.

4.3.4

Based on analysis of the detailed model results, which considered the average contribution from each source at all Receptor locations, the list provided below identifies fixed plant items and buildings predicted to be the most significant contributors to off-site noise emissions. Items towards the top of the list are predicted to contribute more to off-site noise emissions than those towards the bottom of the list:

- Air Cooled Condenser (ACC);
- Boiler House;
- Tipping Hall (during the daytime, below turbine hall during night-time);
- ID Fan Cabin;
- Bag Filter House;
- Water Treatment Plant;
- Cooling water re-cooling system;
- Stack outlets;
- Turbine Hall; and
- Compressed air station.

4.3.5

A full/updated risk assessment of potential noise emissions, accounting for the major plant items and processes, detailing the final noise control measures and consideration of BAT, will be undertaken following completion of the detailed design and plant selection. However, outline control measures and an initial BAT assessment has been presented in the permit application. These aspects are discussed in the next section.



## 5. Noise Control Measures

### 5.1 Embedded Noise Control

- 5.1.1 The EfW CHP Facility Site lies within a predominantly industrial area with the nearest dwelling, 10 New Bridge Lane, on the opposite side of New Bridge Lane from the southern boundary. As outlined in **Section 3**, 9 New Bridge Lane will be subject to agreed purchase by the Applicant and hence will not be a sensitive Receptor during the operation of the EfW CHP Facility. An acoustic fence will be provided to 10 New Bridge Lane to reduce daytime sound levels from fixed plant and waste delivery vehicles. A diagram indicating the proposed location of the acoustic fence is provided in **Figure 5.1 Proposed acoustic fence to 10 New Bridge Lane**.
- 5.1.2 The layout of the site, plant design and selection has been specified so that noise emissions from the site will be limited.
- 5.1.3 The implementation of the measures contained in this outline ONMP should ensure that noise levels arising from site activity are managed appropriately and that off site noise levels will not give rise to any unacceptable impacts to nearby noise sensitive Receptors.
- 5.1.4 The EfW CHP Facility will be operated in accordance with the requirements of the Environmental Permit at all times. As such, the EfW CHP Facility will also operate in accordance with BAT. BAT is defined and described in **Section 5.2**, below.
- 5.1.5 All staff working at the EfW CHP Facility will receive appropriate training, and will be made aware of the specific measures in the final ONMP relating to their duties, to ensure that noise emissions are minimised and that the site is operated in accordance with BAT at all times, as set out in **Section 5.3**.
- 5.1.6 In addition to the fixed plant items listed in **Section 4.3**, other potentially significant sources of noise include waste delivery vehicles accessing, exiting and manoeuvring around the site. To ensure noise emissions from vehicles manoeuvring around the site are minimised, all roads and hardstandings will be subject to regular inspection and maintenance, when required, and a site speed limit of 10mph will be implemented, as set out in **Section 5.4**.

### 5.2 Best Available Techniques

- 5.2.1 The site operator will ensure that the EfW CHP Facility is operated in accordance with BAT at all times to minimise operational noise emissions.
- 5.2.2 BAT is defined as the available techniques which are the best for preventing or minimising emissions and impacts on the environment. BAT is defined by the





European Commission in Directive 2010/75/EU of the European Parliament and of the Council<sup>5</sup> as:

*“(10) ‘best available techniques’ means the most effective and advanced stage in the development of activities and their methods of operation which indicates the practical suitability of particular techniques for providing the basis for emission limit values and other permit conditions designed to prevent and, where that is not practicable, to reduce emissions and the impact on the environment as a whole:*

- (a) ‘techniques’ includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned;*
- (b) ‘available techniques’ means those developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the costs and advantages, whether or not the techniques are used or produced inside the Member State in question, as long as they are reasonably accessible to the operator;*
- (c) ‘best’ means most effective in achieving a high general level of protection of the environment as a whole;”*

5.2.3 The EfW CHP Facility will be operated in accordance with guidance detailed within the European Commission Best Available Techniques Reference Document (BREF)<sup>6</sup> and the implementing BAT Conclusions (BATC)<sup>7</sup>. The BREF and BATC cover the disposal or recovery of waste in waste incineration plants and waste co-incineration plants, and the disposal or recovery of waste involving the treatment of slags and/or bottom ashes from the incineration of waste. BATC defines the measures considered to be BAT to reduce noise emissions in BAT 37. The measures defined in BAT 37 are referred to in **Section 5.4 Noise management**.

## 5.3 Training

5.3.1 All staff are to be made aware of the content of the final ONMP and trained in the appropriate techniques to keep site noise to a minimum. Staff should be effectively supervised to ensure that best working practices are maintained with respect to noise reduction in accordance with BAT. All employees are to be advised on a regular basis of the following as part of their training:

- the proper use and maintenance of tools and equipment;
- the positioning of mobile plant on site to reduce the emission of noise to the neighbourhood and to site personnel;

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<sup>5</sup> The European Commission, November 2010. Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control) (Recast) (Text with EEA relevance).

<sup>6</sup> Frederik Neuwahl, Gianluca Cusano, Jorge Gómez Benavides, Simon Holbrook, Serge Roudier, 2019; Best Available Techniques (BAT) Reference Document for Waste Incineration; EUR 29971 EN; doi:10.2760/761437

<sup>7</sup> The European Commission, November 2019. Commission Implementing Decision (EU) 2019/2010 of 12 November 2019 establishing the best available techniques (BAT) conclusions, under Directive 2010/75/EU of the European Parliament and of the Council, for waste incineration (notified under document C(2019) 7987) (Text with EEA relevance).



- the avoidance of unnecessary noise when carrying out manual operations and when operating plant and equipment;
- the protection of persons against noise; and
- the operation of sound measuring equipment (selected personnel).

5.3.2 Vehicle and plant operators will be required to have training on maintenance protocols. The training will ensure operators are capable of performing thorough inspections on machinery and identify when maintenance is required. The training will be based on an inspection schedule supplied by the plant manufacturer.

## 5.4 Noise management

5.4.1 **Table 5.1 Noise management measures** below sets out the noise management and control measures that will be used to control noise emissions from the EfW CHP Facility during its operation.

**Table 5.1 Noise management measures**

Source	Noise management and control methods to be implemented
<b>All major fixed plant located externally and within buildings</b>	<p>Acoustic fence to be provided to Number 10 New Bridge Lane to reduce sound from fixed plant and on-site vehicle movements during the daytime. Acoustic fence to be maintained and remain in place whilst Number 10 New Bridge Lane is in residential use.</p> <p>The contract specification for the EPC Contractor will include provision for low-noise compressors, pumps and fans when the detailed design is developed.</p> <p>Where possible, noise generating equipment will be installed within a building or, where that is not possible, will be housed in suitable enclosures (e.g., fan enclosures) to provide additional attenuation.</p> <p>All plant to be subject to schedule of regular inspection and maintenance in accordance with manufacturer's instructions.</p> <p>All silencers/mufflers are to be inspected to ensure they are in good repair and are correctly fitted.</p> <p>Any plant or machinery not in use is to be powered down/deactivated.</p> <p>Where possible, windows and doors to noisy enclosed areas are to remain closed.</p>
<b>Waste delivery vehicles travelling to and from site</b>	<p>Acoustic fence to be provided to Number 10 New Bridge Lane to reduce sound from passing waste delivery vehicles during the daytime. Acoustic fence to be maintained and remain in place whilst Number 10 New Bridge Lane is in residential use.</p> <p>Engines are to be switched off when not in use.</p> <p>Deliveries of waste will only be accepted between 07:00 – 20:00 (during normal operations).</p>



Source	Noise management and control methods to be implemented
	<p>Road surfaces within the site boundary will be maintained in a good state of repair.</p> <p>Skip lorries that access site should be fitted with chain socks to reduce noise from loose chains banging on skips/lorry.</p> <p>Implementation of a 10-mph speed limit on site.</p> <p>Drivers are to enter and exit site with consideration of the neighbouring community and avoid unnecessary revving of engines.</p>
<p><b>Waste delivery vehicles depositing waste into the tipping bunker in the tipping hall,</b></p>	<p>All tipping will occur within the tipping hall which offers acoustic screening.</p> <p>Delivery vehicles should be fitted with broadband movement alarms.</p>
<p><b>Mechanical crane operation transferring waste from the tipping bunker to the main waste bunker, and from the main waste bunker to the furnace.</b></p>	<p>Crane operation will occur within the bunker hall which offers acoustic screening.</p> <p>Site team to regularly monitor the transferring of material to make sure the task is being undertaken with care and in accordance with BAT.</p> <p>All plant to be subject to schedule of regular inspection and maintenance in accordance with manufacturer's instructions.</p>
<p><b>Bangs from crane grab colliding with waste bunker walls</b></p>	<p>Training for all crane operators in correct waste handling techniques.</p> <p>Crane anti-sway system to be enabled at all times.</p>
<p><b>Vehicles manoeuvring around external areas of the site</b></p>	<p>All plant to be subject to schedule of regular inspection and maintenance in accordance with manufacturer's instructions. All silencers/mufflers are to be inspected to ensure they are in good repair and are correctly fitted.</p> <p>Road surfaces and any surfaces which vehicles transit over are to be regularly inspected and maintained/repared where necessary.</p> <p>A site speed limit of 10-mph will be enforced.</p> <p>Engines are to be turned off when not in use.</p> <p>Broadband movement alarms/reverse beepers are to be fitted to all on-site mobile plant.</p>

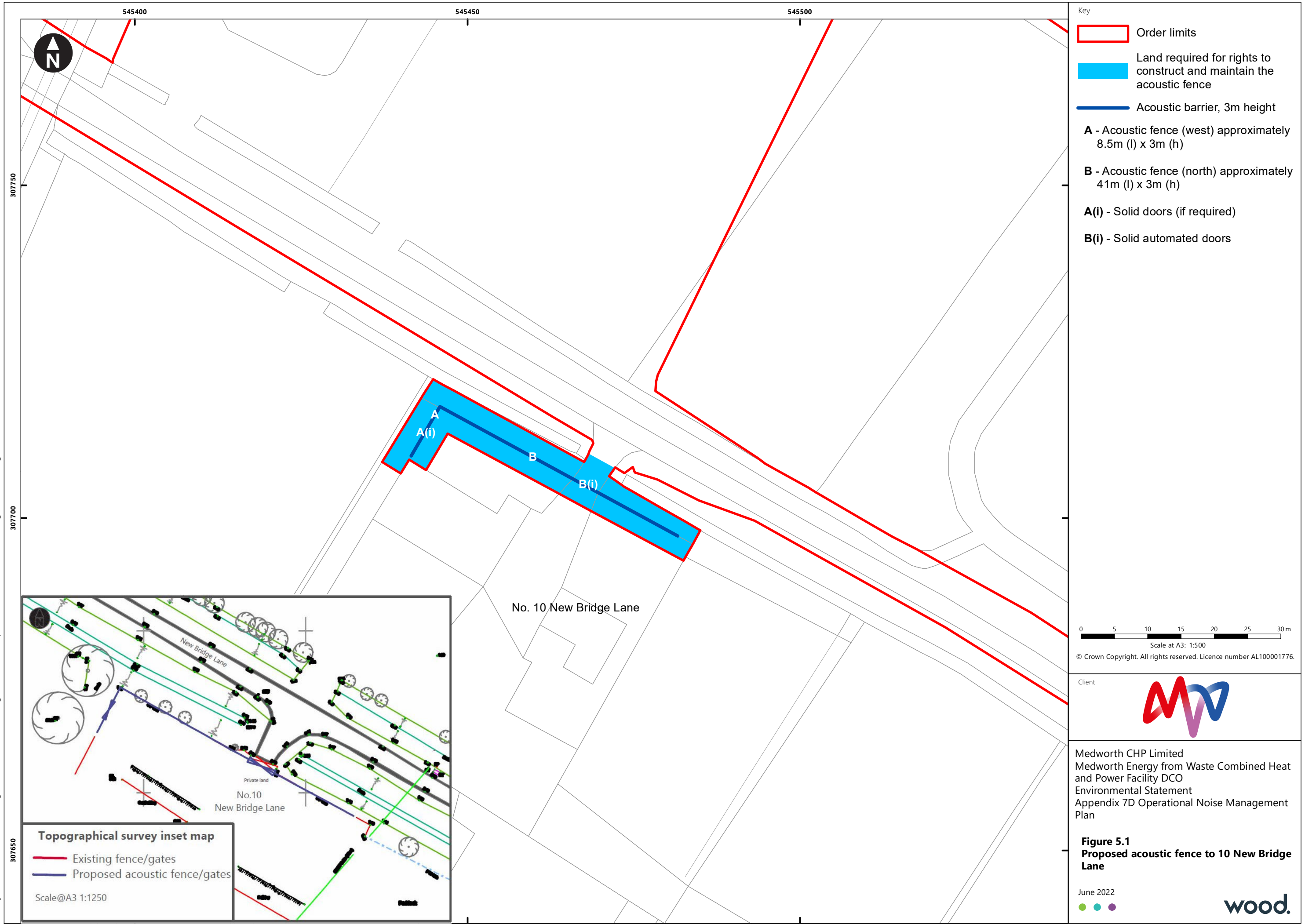


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Source	Noise management and control methods to be implemented
<b>Repairs and maintenance</b>	All buildings and plant will be subject to a schedule of regular inspection and maintenance.  Repairs/maintenance externally to site buildings/external plant must be undertaken with due regard for nearby sensitive Receptors and, whenever possible, be undertaken during normal daytime working hours.  Mobile plant to be repaired/maintained within a screened area/building when safe and practicable to do so.



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- Key
- Order limits
  - Land required for rights to construct and maintain the acoustic fence
  - Acoustic barrier, 3m height
  - A** - Acoustic fence (west) approximately 8.5m (l) x 3m (h)
  - B** - Acoustic fence (north) approximately 41m (l) x 3m (h)
  - A(i)** - Solid doors (if required)
  - B(i)** - Solid automated doors

0 5 10 15 20 25 30 m  
Scale at A3: 1:500  
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**Figure 5.1**  
**Proposed acoustic fence to 10 New Bridge Lane**

June 2022



## 6. Complaints Procedure

- 6.1.1 Noise complaints are to be logged with the relevant member of management and detailed within the Incident Management Recording Software. All information relating to the complaint will be stored on site in perpetuity for inspection by the Local Authority or EA, at their request.
- 6.1.2 Noise complaint investigations are to be undertaken immediately, or as soon as practically possible.
- 6.1.3 Remedial action is to be taken immediately, or as soon as practically possible. Where remedial measures fail to address the complaint sufficiently, the activity in question is to cease (assuming it is safe to do so) until suitable remedial measures are implemented.
- 6.1.4 The site is located within a predominantly industrial area. Therefore, it may be necessary to verify the source of the complaint, and the validity of the complaint, with noise monitoring. All noise monitoring will be undertaken by competent and appropriately qualified personnel. Where complaints are found to be valid the complaints procedure will be implemented (**Section 6.2**).
- 6.1.5 Following a complaint substantiated by the EA, appropriate action will be taken to remediate the issue and to prevent it from reoccurring. Actions may include, but are not limited, to:
- Inspection and evaluation of:
    - ▶ existing mitigation measures;
    - ▶ operational procedures;
    - ▶ requirements for additional mitigation measures; and
    - ▶ staff training.
- 6.1.6 Unavoidable events such as plant/equipment malfunctions are to be logged by the shift team leader. This will ensure retrospective complaints can be cross referenced with any logged events/plant conditions which occurred, to see whether these may have given rise to the complaint.
- 6.1.7 Where the source is within the EfW CHP Facility Site's control, the following action is required:
- investigating the source to prevent a re-occurrence;
  - suspending operations which are giving rise to excessive noise due to potential plant malfunction;
  - investigate noise mitigation measures;
  - logging findings in the site operational log and the Incident Management Recording Software;
  - report actions to the complainant and/or EA, as appropriate; and



- if, following the above, complaint(/s) are still received, and it is confirmed that noise emissions from the EfW CHP Facility are giving rise to the complaint, and that adverse impacts are occurring due to noise emissions from the EfW CHP Facility, it may be necessary to cease the specific operations giving rise to the complaint until the issues have been rectified.

## 6.2 Complaints recording procedure

6.2.1 Any complaint that is received will be received and managed in accordance with IMS procedure BS.CL.01 Management of Communications and Complaints and recorded on the Incident Management Recording Software through which an investigation will be instigated, and any corrective actions allocated to responsible persons..

6.2.2 Details to be included as a minimum within the Incident Management Recording Software are:

- name, address, and contact details of the caller (so that the complainant may be contacted to provide a response following any investigations/remedial works undertaken);
- an auto generated reference number;
- date of event;
- details of the event:
  - ▶ time of occurrence;
  - ▶ duration of event;
  - ▶ frequency of occurrence;
  - ▶ is this the first occurrence or have there been multiple occurrences; and
  - ▶ what is the reason for complaint, including a subjective description of the noise heard by the complainant;
- weather conditions at the time of event:
  - ▶ weather conditions (rain, snow, fog etc.); and
  - ▶ wind conditions (wind speed/direction);
- details of the internal investigation, and any actions taken; and
- name of the member of staff who received the complaint.

6.2.3 Following the investigation of the complaint, and subject to agreement from the complainant, the complainant is to be contacted to provide a summary of the investigation undertaken, the results thereof, and, if remedial steps were found to be necessary, a description of the remedial steps that have been, or will be, carried out. If remedial actions are planned for the future, the complainant should be provided with the anticipated timescale, where possible, in which any remedial actions will be undertaken.



6.2.4 The purpose of the IMS procedure is to ensure that any complaint is investigated promptly, and that appropriate remedial action is taken. Communications maintained with the complainant, and other interested parties, regarding the actions taken will be recorded.

6.2.5 The complaints procedure will be reviewed, as part of the regular review of the ONMP, and at any other such time as found to be necessary (for example, following a valid and verified complaint), to identify any potential improvements that can be made. If the complaints procedure, or any aspect of the ONMP is updated, the revisions to it will be communicated to all staff working at the EfW CHP Facility.

### 6.3 Noise monitoring equipment

6.3.1 Where noise monitoring is required to investigate a complaint, the following is to be implemented.

- Instrumentation for monitoring must meet requirements within BS EN 60942: 2018 'Electroacoustics – Sound level meters. Specifications'<sup>8</sup>,
- Measurements should include, as a minimum, broadband indices  $L_{Aeq}$ ,  $L_{Amax}$  and  $L_{A90}$ . It may be necessary, if any complaints are received regarding tonal noise, to undertake measurements in unweighted ( $L_{Zeq,T}$ ) third octave bands.
- Any sound level meters used should conform to Class 1 requirements as set out in BS EN 60942, with a suitable traceable calibration certificate.
- Field calibration checks will be undertaken and documented prior to and after measurements.

### 6.4 Noise monitoring procedure – complaint response

6.4.1 If, following a complaint, noise monitoring is required the following procedure will apply:

- measurements will be undertaken in accordance with British Standard BS 4142:2014+A1:2019 *Methods for rating and assessing industrial and commercial sound*<sup>9</sup>.
- noise surveys will be undertaken at a location representative of the complainant's property, or a proxy location, depending on which is most practicable at the time.
- noise surveys are to be undertaken during representative working hours and for a period of time representative of the activity's duration. Surveys should be undertaken during potential worst-case activities, or during such activities that may be considered to have given rise to the complaint.

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<sup>8</sup> BSI (2018). British Standards Institution. British Standard BS EN 60942 'Electroacoustics – Sound level meters. Specifications'

<sup>9</sup> British Standards Institution, 2019. BS 4142:2014 + A1:2019 Methods for rating and assessing industrial and commercial sound. BSI, London.



- results from the noise monitoring will be used to determine the validity of the complaint and may assist in the identification of specific noise sources which may have given rise to the complaint.
- noise monitoring should be undertaken by a competent and qualified person.
- noise survey results will be stored, and provided to the Local Authority or EA, at their request, within two weeks of the monitoring.

## 6.5 Notifying neighbours of unexpected/emergency/remedial works

6.5.1 The EfW CHP Facility will engage with a community liaison committee on matters regarding operational control. In advance of any planned outage the community liaison committee will be informed of the planned dates for the outage, as this is the time when the risk of noise is highest from the EfW CHP Facility.

6.5.2 In circumstances where a temporary increase in noise and/or vibration from site operations due to unexpected/emergency/remedial works is anticipated, neighbours are to be notified of the unexpected/emergency/remedial works. The details that are to be provided will include the source of the temporary increase in noise and/or vibration, the nature of the work, the expected duration of the work, the actions that are being taken to resolve the issue and contact details for a point of contact who will act as public liaison.

