Medworth Energy from Waste
Combined Heat and Power Facility

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# 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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# Glossary

| Term | Description |
|---|---|
| **ABC Method** | Method provided in BS 5228-1:2009+A1:2014 *Code of practice for noise and vibration control on construction and open sites – Part 1: Noise* for determining thresholds of potential significance for construction noise affecting residential premises. |
| **Ambient sound** | Totally encompassing sound in a given situation, at a given time, usually composed of sound from many sources near and far. |
| **ANC** | Association of Noise Consultants |
| **dB** | Decibel |
| **dBA** | 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. |
| **DCO** | Development Consent Order |
| **DNO** | (Electric) Distribution Network Operator |
| **EHO** | Environmental Health Officer |
| **EIA** | Environmental Impact Assessment |
| **ES** | Environmental Statement |
| **FDC** | Fenland District Council |
| **Free Field** | 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. |
| **HGV** | Heavy Goods Vehicle. With regard to noise, heavy vehicles/HGVs are any vehicle with an unladen weight in excess of 3.5 tonnes. |
| **Interquartile range (IQR)** | Inter quartile range, statistical index describing the range between the 25$^{th}$ percentile and 75$^{th}$ percentile of the dataset, equivalent to the range of the central 50% of the data. |
| **IOA** | Institute of Acoustics |
| **KWLN** | Borough Council of Kings Lynn and West Norfolk |
| **$L_{Aeq, T}$** | 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. $L_{Aeq, T}$ is considered the best general-purpose index for environmental sound, as it is the index which generally best represents how sound levels are perceived. |

| Term | Description |
|---|---|
| $L_{An,T}$ | This noise index represents the sound level exceeded for n% of the measurement period. The $L_{A90,T}$ 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. |
| $L_{Amax}$ | The maximum recorded sound level during the measurement period. |
| **LT** | Long Term (monitoring location) |
| **NSR** | Noise Sensitive Receptor |
| **Residual sound** | 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). |
| **SMP** | Noise Survey and Monitoring Plan. |
| **Specific sound** | When assessing industrial or commercial sound, the specific sound is the sound of the (proposed or existing) industrial or commercial activity under assessment. |
| **ST** | 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 $ms^{-1}$, 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**.

# Contents

# 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 ($CO_2$) emissions by over 80% by 2030 compared to 2018;
- reduce its indirect $CO_2$ 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.

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 of disaggregated."*

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 |

| Location Reference | Location description | Location Co-ordinates | | Monitoring period |
|---|---|---|---|---|
| | | Latitude | Longitude | |
| | approximately 40 m east southeast of 9 New Bridge Lane. | | | |
| **LT2** | 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 |
| **LT3** | 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 |
| **ST-LT1** | 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<br>16/11/2021 – 17/11/2021 |
| **ST1 (Backup/Alternative)** | 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<br>16/11/2021 – 17/11/2021 |
| **ST2** | Northern turning circle at end of Victory Road. | 52°39'32.51" | 0° 9'22.30" | 10/11/2021 – 12/11/2021<br>16/11/2021 – 17/11/2021 |
| **ST3** | Near southwest corner of junction of Algores Way & Weasenham Lane. | 52°39'14.92" | 0° 9'32.05" | 10/11/2021 – 12/11/2021<br>16/11/2021 – 17/11/2021 |
| **ST4** | Near Cambian Wisbech School, Anglia Way. | 52°39'1.19" | 0° 9'15.92" | 10/11/2021 – 12/11/2021<br>16/11/2021 – 17/11/2021 |
| **ST5 (Backup/Alternative)** | 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<br>16/11/2021 – 17/11/2021 |
| **ST6** | 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<br>17/11/2021 – 18/11/2021 |
| **ST11** | 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<br>17/11/2021 – 18/11/2021 |

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 5ms$^{-1}$. Wind direction statistics based on analysis

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 $ms^{-1}$ 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 $ms^{-1}$. 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 $ms^{-1}$. The second period occurred 17/11/2021 between 10:30 and 14:30 hrs when maximum wind speeds exceeded 5 $ms^{-1}$ 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 $ms^{-1}$ 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 |

| 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 |

# 3. Results

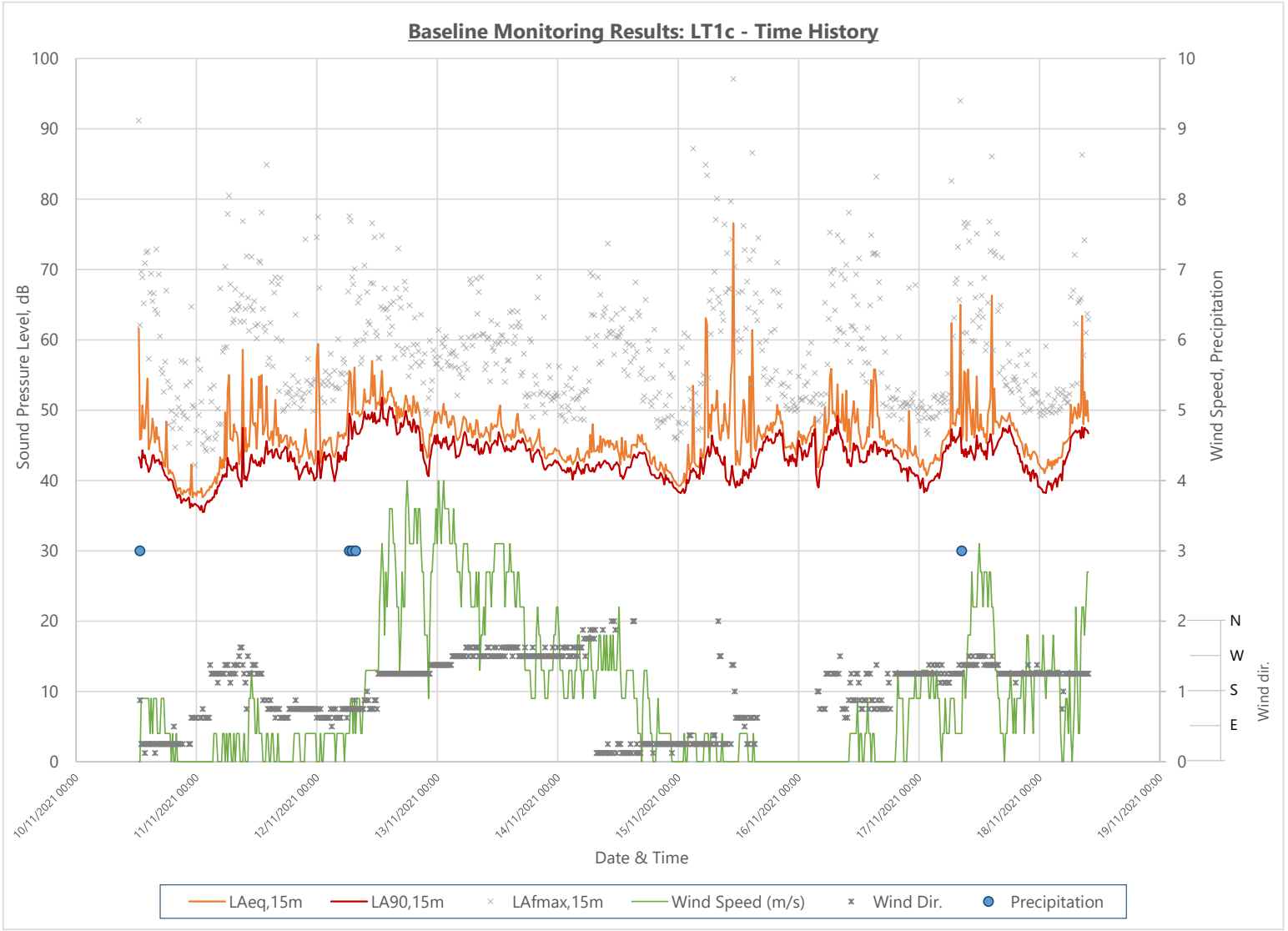
## 3.1 Long term measurements

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 3.2Results 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**.

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



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

| | Background sound level, dB $L_{A90,T}$ | | | Residual sound level, dB $L_{Aeq,T}$ | | | Maximum sound level, dB $L_{AFmax,T}$ | | |
|---|---|---|---|---|---|---|---|---|---|
| | Day | Evening | Night | Day | Evening | Night | Day | Evening | Night |
| **Range** | 39 - 50 | 36 - 47 | 36 - 49 | 41 - 77 | 38 - 51 | 38 - 63 | 48 - 97 | 45 - 74 | 42 - 87 |
| **25th %ile** | 43 | 41 | 39 | 46 | 43 | 42 | 59 | 50 | 50 |
| **Median** | 44 | 42 | 41 | 48 | 45 | 44 | 64 | 52 | 52 |
| **75th %ile** | 46 | 43 | 44 | 50 | 45 | 46 | 69 | 55 | 55 |
| **Arithmetic average** | 44 | 42 | 41 | 49 | 44 | 44 | 64 | 54 | 55 |
| **Logarithmic average** | - | - | - | 55 | 45 | 49 | - | - | - |

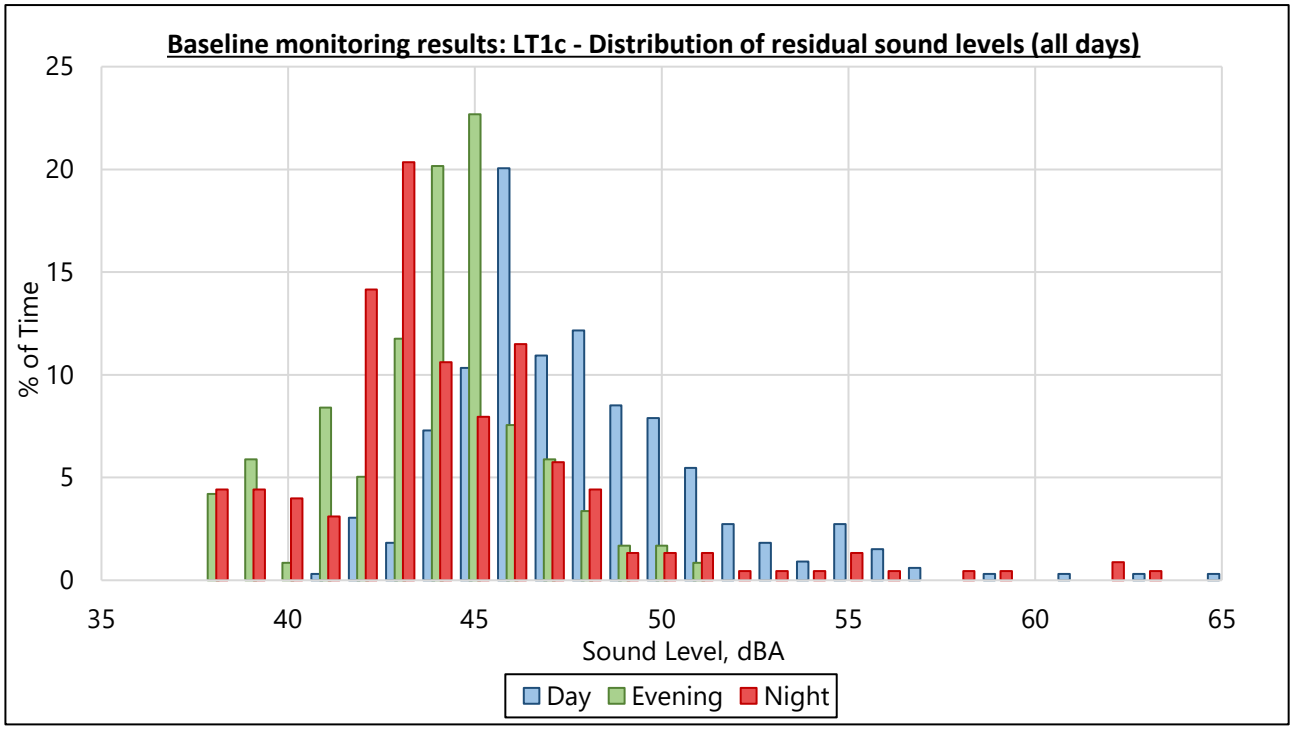
## Table 3.2 Summary of measured sound levels at LT1c: weekends

| | Background sound level, dB $L_{A90,T}$ | | | Residual sound level, dB $L_{Aeq,T}$ | | | Maximum sound level, dB $L_{AFmax,T}$ | | |
|---|---|---|---|---|---|---|---|---|---|
| | Day | Evening | Night | Day | Evening | Night | Day | Evening | Night |
| **Range** | 40 - 46 | 39 - 44 | 39 - 45 | 42 - 50 | 41 - 47 | 39 - 48 | 51 - 74 | 48 - 69 | 46 - 70 |
| **25th %ile** | 42 | 40 | 41 | 45 | 42 | 43 | 57 | 50 | 50 |
| **Median** | 44 | 41 | 42 | 46 | 43 | 43 | 60 | 52 | 52 |
| **75th %ile** | 45 | 43 | 42 | 47 | 44 | 44 | 63 | 55 | 54 |
| **Arithmetic average** | 43 | 42 | 42 | 46 | 43 | 43 | 60 | 54 | 53 |
| **Logarithmic average** | - | - | - | 46 | 44 | 44 | - | - | - |

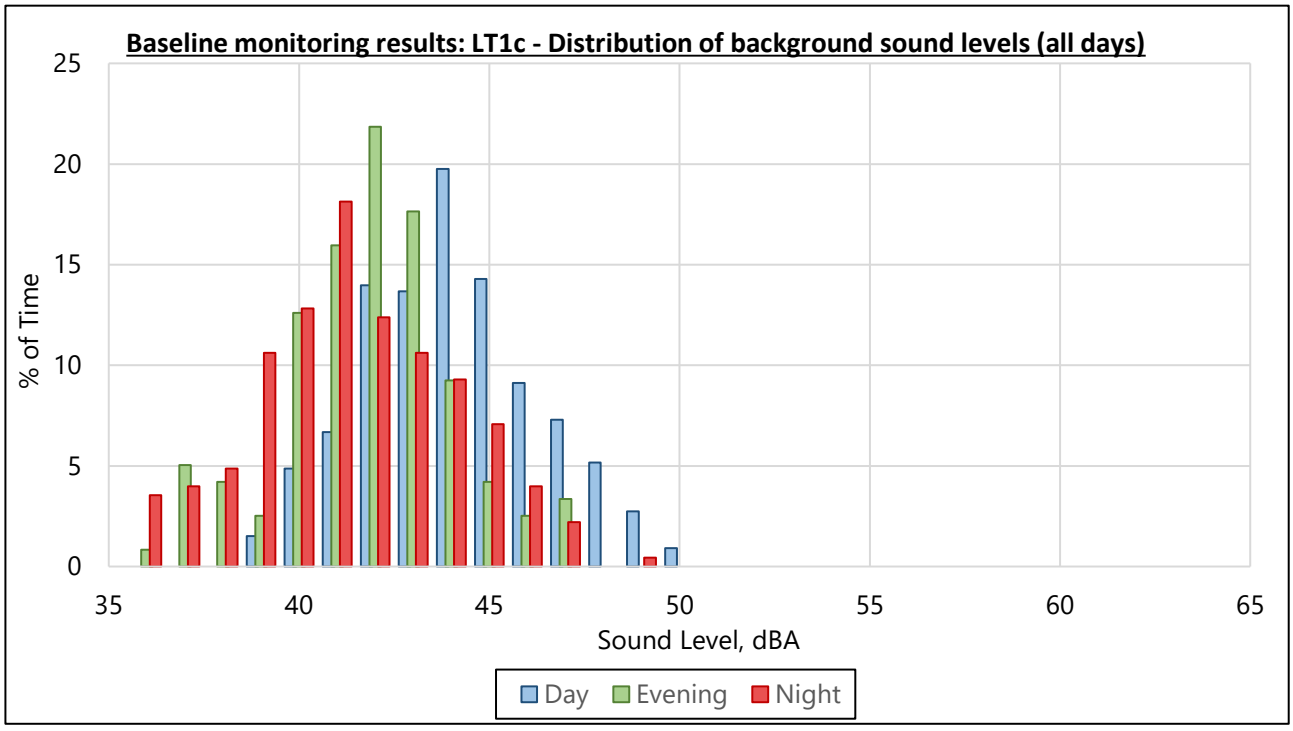
## Table 3.3 Summary of measured sound levels at LT1c: weekend BS 5228-1 periods

| | 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 |
| **Range** | 44 - 46 | 44 - 45 | 39 - 44 | 46 - 49 | 46 - 47 | 41 - 48 | 54 - 69 | 54 - 64 | 48 - 74 |
| **25th %ile** | 44 | 44 | 41 | 46 | 46 | 43 | 59 | 60 | 55 |
| **Median** | 45 | 44 | 42 | 47 | 46 | 44 | 61 | 61 | 59 |
| **75th %ile** | 45 | 45 | 43 | 48 | 47 | 45 | 62 | 62 | 62 |
| **Arithmetic average** | 45 | 45 | 42 | 47 | 46 | 44 | 61 | 60 | 58 |
| **Logarithmic average** | - | - | - | 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.**

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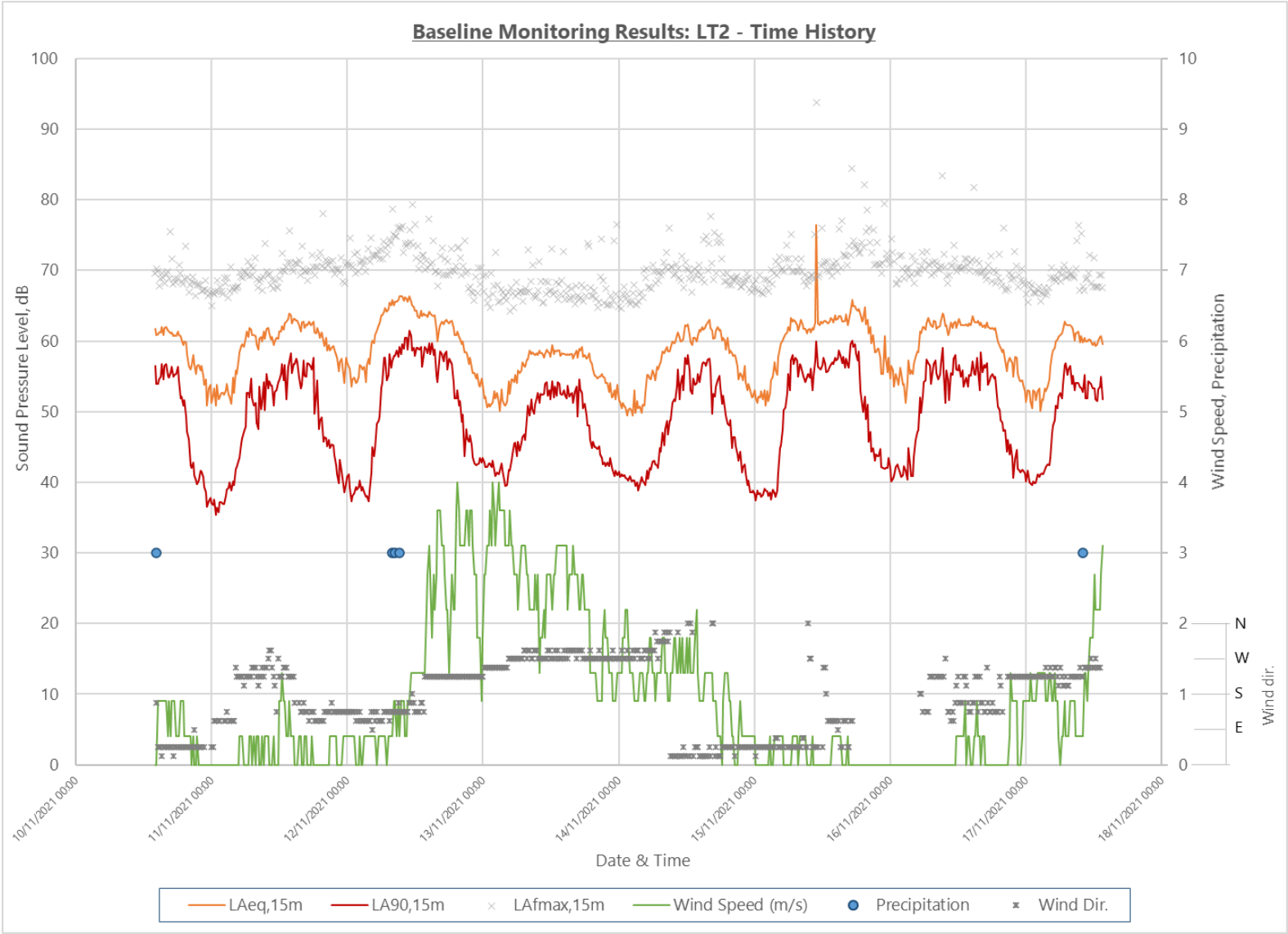
## Graphic 3.4 Results of long term monitoring: LT2 - Time history



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

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

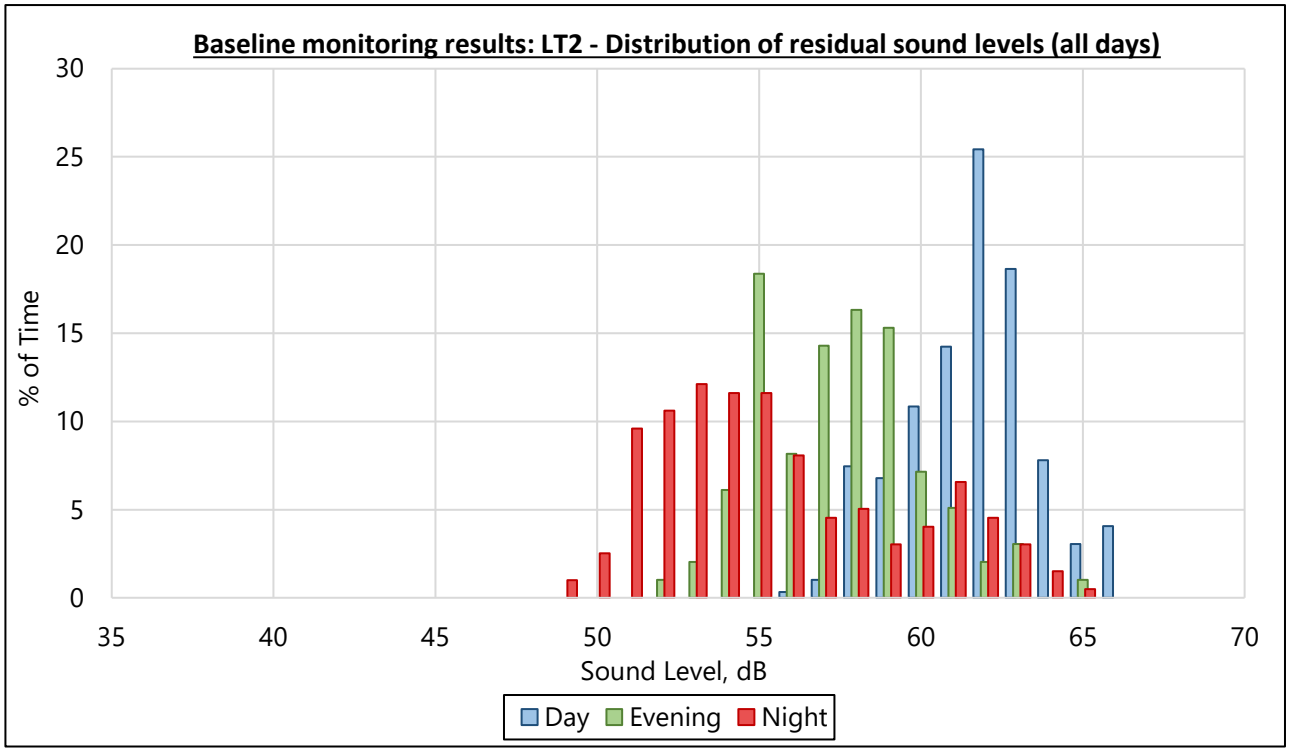
## Table 3.5 Summary of measured sound levels at LT2, weekends

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

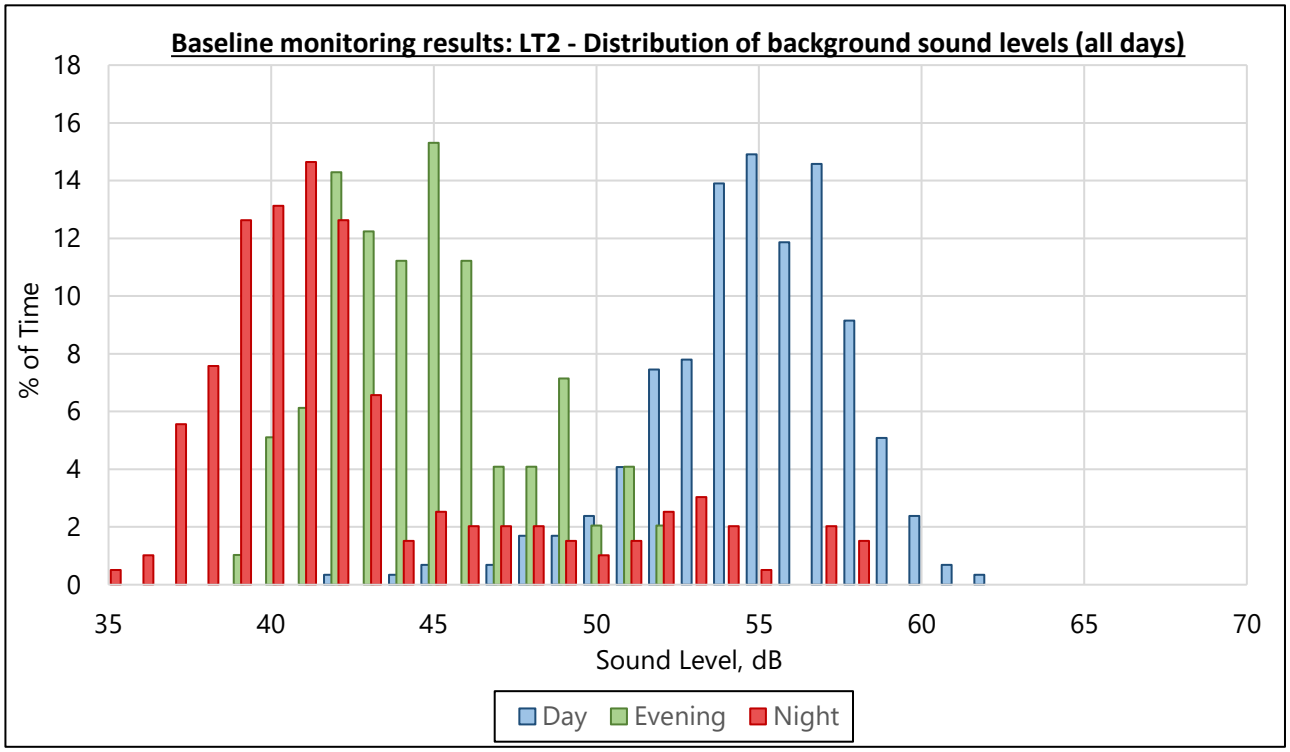
## Table 3.6 Summary of measured sound levels at LT2, weekend BS 5228-1 periods

| | 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 |
| **Range** | 49 - 54 | 52 - 54 | 40 - 58 | 57 - 59 | 58 - 58 | 53 - 63 | 65 - 73 | 66 - 68 | 67 - 78 |
| **25th %ile** | 51 | 53 | 47 | 58 | 58 | 58 | 67 | 66 | 69 |
| **Median** | 52 | 53 | 52 | 58 | 58 | 60 | 67 | 67 | 70 |
| **75th %ile** | 53 | 53 | 55 | 59 | 58 | 61 | 68 | 67 | 71 |
| **Arithmetic average** | 52 | 53 | 51 | 58 | 58 | 59 | 68 | 67 | 70 |
| **Logarithmic average** | - | - | - | 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**

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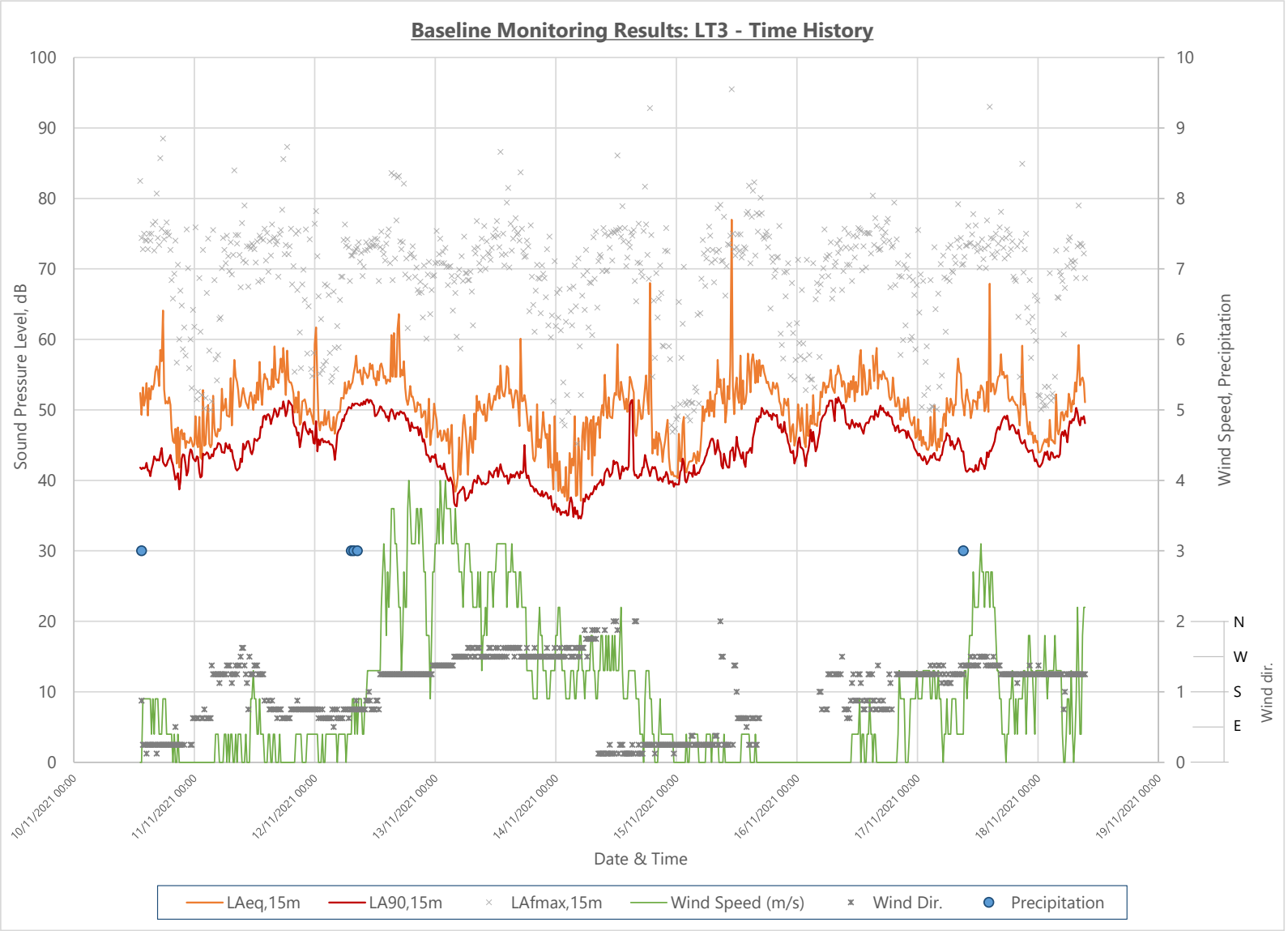
## Graphic 3.7 Results of long term monitoring: LT3 - Time history



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

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

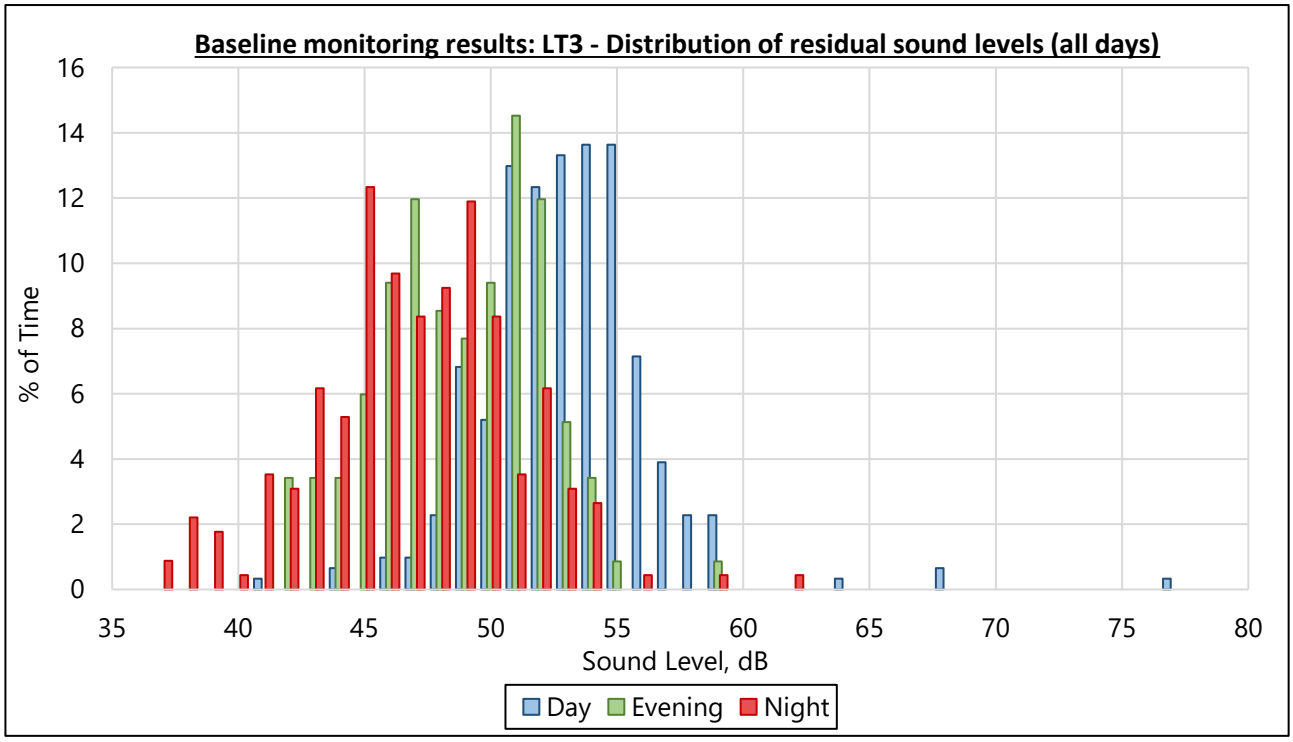
## Table 3.8 Summary of measured sound levels at LT3, weekends

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

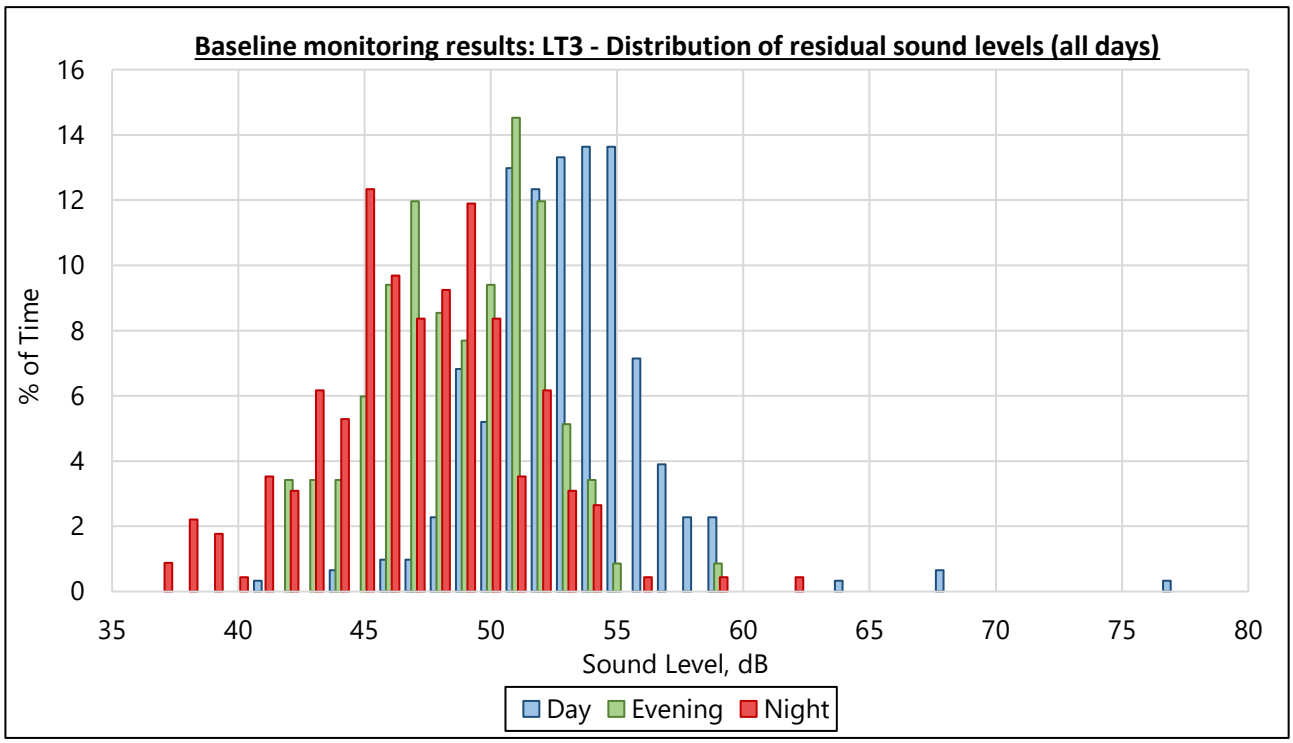
## Table 3.9 Summary of measured sound levels at LT3, weekend BS 5228-1 periods

| | 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 |
| **Range** | 39 - 41 | 41 - 41 | 38 - 51 | 46 - 52 | 50 - 56 | 41 - 68 | 70 - 77 | 74 - 79 | 55 - 93 |
| **25th %ile** | 40 | 41 | 40 | 49 | 52 | 47 | 72 | 76 | 69 |
| **Median** | 40 | 41 | 41 | 50 | 53 | 49 | 73 | 77 | 72 |
| **75th %ile** | 41 | 41 | 42 | 51 | 55 | 52 | 75 | 78 | 75 |
| **Arithmetic average** | 40 | 41 | 41 | 50 | 53 | 49 | 73 | 77 | 71 |
| **Logarithmic average** | - | - | - | 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 | |
| **Daytime, all samples** | | 52 | 61 - 77 | 53 | 50 | 48 | |
| **Evening, all samples** | | 50 | 57 - 69 | 51 | 48 | 45 | |
| **Night-time, all samples** | | 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 | |
| **Daytime, all samples** | | 48 | 59 - 69 | 49 | 47 | 46 | |
| **Evening, all samples** | | 48 | 54 - 65 | 49 | 47 | 45 | |
| **Night-time, all samples** | | 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 | |
| **Daytime, all samples** | | 49 | 59 - 70 | 50 | 47 | 46 | |
| **Evening, all samples** | | 37 | 52 - 62 | 38 | 36 | 34 | |
| **Night-time, all samples** | | 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.<br><br>In moments of lull from the mechanic/Weasenham Lane, distant road traffic noise was dominant. |
| 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 | |
| **Daytime, all samples** | | 72 | 87 - 101 | 75 | 67 | 59 | |
| **Evening, all samples** | | 69 | 83 - 93 | 72 | 59 | 50 | |
| **Night-time, all samples** | | 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 | |
| **Daytime, all samples** | | 58 | 78 - 85 | 57 | 52 | 48 | |
| **Evening, all samples** | | 54 | 60 - 71 | 57 | 53 | 48 | |
| **Night-time, all samples** | | 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 | |
| **Daytime, all samples** | | 65 | 74 - 88 | 67 | 63 | 57 | |
| **Night-time, all samples** | | 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 environment comments |
|---|---|---|---|---|---|---|---|
| | | $L_{Aeq,T}$ | $L_{Amax}$ | $L_{A10,T}$ | $L_{A50,T}$ | $L_{A90,T}$ | |
| 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 | |
| **Daytime, all samples** | | 59 | 66 - 73 | 61 | 58 | 53 | |
| **Night-time, all samples** | | 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 | |
| **Daytime, all samples** | | 60 | 67 - 82 | 62 | 57 | 52 | |
| **Night-time, all samples** | | 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 $L_{Aeq,T}$ | Night-time, dB $L_{Aeq,T}$ | Daytime, dB $L_{Aeq,16h}$ | Night-time, dB $L_{night}$ | 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, ±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$^{th}$ 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 ±2 dB.

4.2.7 The difference between the 25$^{th}$ percentile and median of the background sound levels is 1 to 2 dB, with the 75$^{th}$ 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$^{th}$ percentile background sound levels are considered representative of sound levels that occur for the majority of the time. Therefore, using the 25$^{th}$ 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$^{th}$ 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$^{th}$ 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$^{th}$ 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$^{th}$ 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 ±3 dB and indicate slightly lower sound levels during the weekend.

4.2.16 The difference between the 25$^{th}$ percentile and median background sound levels is 2 to 3 dB, with the 75$^{th}$ 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$^{th}$ percentile background sound levels are considered representative of sound levels that occur for the majority of the time. Therefore, using the 25$^{th}$ 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 25th 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 25th 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 25th 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 3.9Results 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 25th 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 25th percentile and median background sound levels is 2 to 4 dB, with the 75th 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 25th percentile background sound levels are considered representative of sound levels that occur for the majority of the time. Therefore, using the 25th 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 25th percentile and 75th 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.

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.

## 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 | $L_{Aeq,T}$ | $L_{A90,T}$ | $L_{Aeq,T}$ | $L_{A90,T}$ | $L_{Aeq,T}$ | $L_{A90,T}$ | |
| **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 | |
| **Daytime - correction to LT1c data to be representative of ST-LT1** | | | | | | | | +6 | +6 | |
| **Evening - correction to LT1c data to be representative of ST-LT1** | | | | | | | | +5 | +5 | |
| **Night-time - correction to LT1c data to be representative of ST-LT1** | | | | | | | | +7 | +4 | |

4.3.8 As detailed in **Section 4.2**, it is considered that the 25th 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 $L_{Aeq,T}$ | Background Sound Level, dB $L_{A90,T}$ | Residual Sound Level, dB $L_{Aeq,15m}$ | Background Sound Level, dB $L_{A90,15m}$ | Residual Sound Level, dB $L_{Aeq,15m}$ | Background Sound Level, dB $L_{A90,15m}$ |
| **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 $L_{Aeq,T}$ | Background Sound Level, dB $L_{A90,T}$ | Residual Sound Level, dB $L_{Aeq,15m}$ | Background Sound Level, dB $L_{A90,15m}$ | 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 ±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$^{th}$ 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 $L_{Aeq,T}$ | Background Sound Level, dB $L_{A90,T}$ | Residual Sound Level, dB $L_{Aeq,15m}$ | Background Sound Level, dB $L_{A90,15m}$ | 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 $L_{Aeq,T}$ | Background Sound Level, dB $L_{A90,T}$ | Residual Sound Level, dB $L_{Aeq,15m}$ | Background Sound Level, dB $L_{A90,15m}$ | 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 $L_{Aeq,T}$ | Background Sound Level, dB $L_{A90,T}$ | Residual Sound Level, dB $L_{Aeq,15m}$ | Background Sound Level, dB $L_{A90,15m}$ | 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 ±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$^{th}$ 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, $L_{A90,T}$ | | | Residual Sound Level, $L_{Aeq,T}$ | | |
| | 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 $L_{Aeq,T}$ | 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 $L_{A90,T}$ |
| 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.

## 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 $L_{A90,T}$ |
| *Locations influenced by construction and operational noise (daytime 0700 – 1900 hours, evening 1900 – 2300 hours, night-time 2300 – 0700 hours)* | | | | | | | |
| 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.

## 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 $L_{A90,T}$ |
| *Locations influenced by construction and operational noise (daytime 0700 – 1900 hours, evening 1900 – 2300 hours, night-time 2300 – 0700 hours)* | | | | | | | |
| 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.

## 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 $L_{Aeq,T}$ | | | | | | 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 |

| R. ID | Name of Receptor | Baseline dataset | Representative baseline ambient sound levels, dB $L_{Aeq,T}$ | | | | | | BS 5228-1 Threshold of significance Category | | | | | | BS 5228-1 Threshold of significance Category | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Weekdays | | | Weekends | | | 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 | 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 | | | | | | |

| R. ID | Name of Receptor | Baseline dataset | Representative baseline ambient sound levels, dB $L_{Aeq,T}$ | | | | | | BS 5228-1 Threshold of significance Category | | | | | | BS 5228-1 Threshold of significance Category | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Weekdays | | | Weekends | | | 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 | 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 | A | A | A | A | A | A |
| R36 | 1 Oldfield Lane | ST2 | 49 | 37 | 42 | - | - | - | A | A | A | A | A | A | A | A | A | A | A | A |
| R37 | 3 Oldfield Lane | ST2 | 49 | 37 | 42 | - | - | - | A | A | A | A | A | A | A | A | A | A | A | A |
| R38 | 25 Victory Road | ST2 | 49 | 37 | 42 | - | - | - | A | A | A | A | A | A | A | A | A | A | A | A |
| R39 | 27 Victory Road | ST2 | 49 | 37 | 42 | - | - | - | A | A | A | A | A | A | A | A | A | A | A | A |
| R44 | 52 Broadend Road | ST11 | 60 | - | 53 | - | - | - | A | A | C | A | A | A | A | A | A | A | A | A |
| R45 | 56 Broadend Road | ST11 | 60 | - | 53 | - | - | - | A | A | C | A | A | A | A | A | A | A | A | A |
| R46 | Elme Hall Hotel | ST5 | 65 | - | 54 | - | - | - | B | B | C | A | A | A | A | A | A | A | A | A |
| R47 | 85 Elm High Road | ST5 | 65 | - | 54 | - | - | - | B | B | C | A | A | A | A | A | A | A | A | A |
| R48 | 36 Elmfield Drive | ST6 | 59 | - | 47 | - | - | - | A | A | B | A | A | A | A | A | A | A | A | A |

| R. ID | Name of Receptor | Baseline dataset | Representative baseline ambient sound levels, dB $L_{Aeq,T}$ | | | | | | BS 5228-1 Threshold of significance Category | | | | | | BS 5228-1 Threshold of significance Category | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Weekdays | | | Weekends | | | 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 | 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 $ms^{-1}$, 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

# 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.

# Annex B
# Survey and monitoring plan

# Annex C
# Noise Monitoring Locations and Noise Sensitive Receptor Locations

# 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 |

# Calibration Certificates

# Annex E
# Measurement location details

# Annex F
# Detailed attended monitoring results

# Annex G
# 2019 baseline monitoring

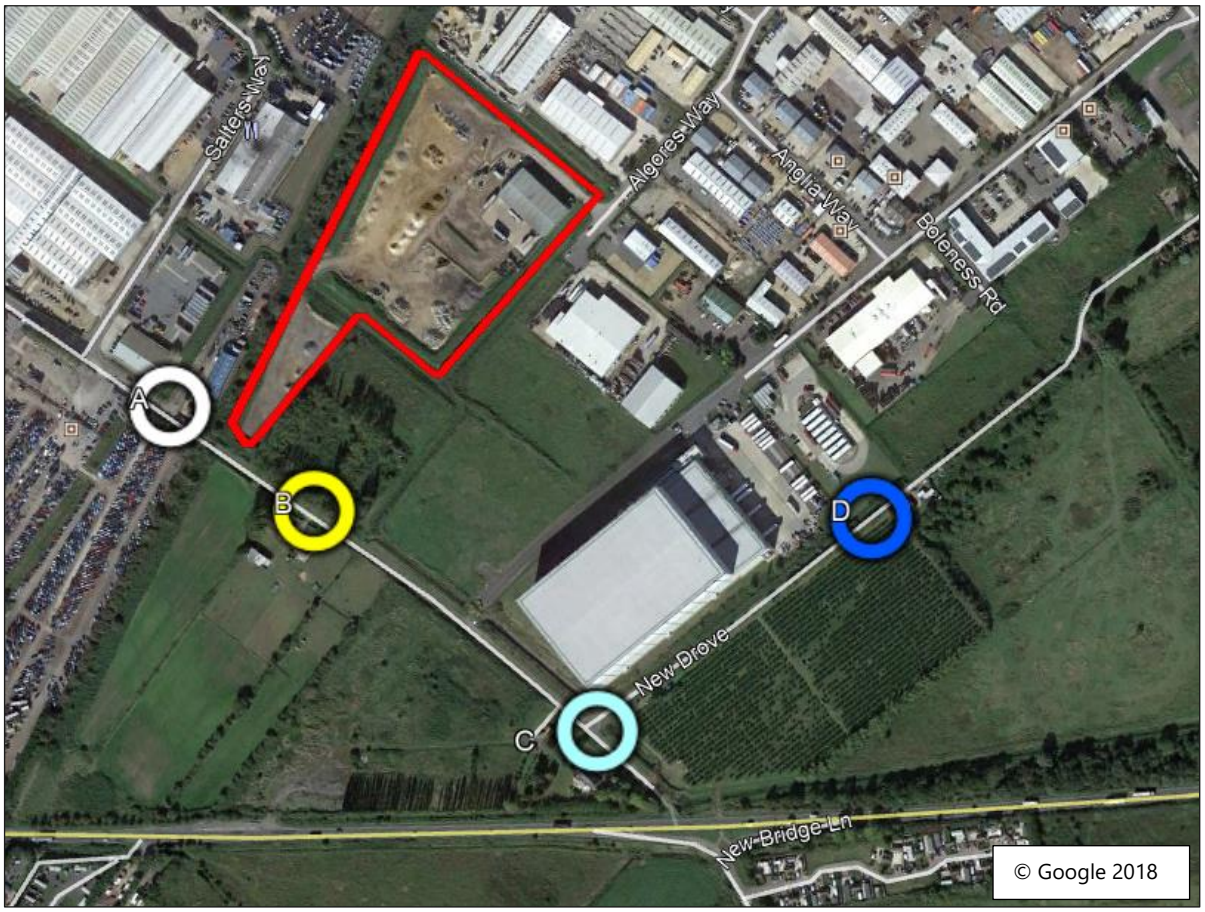
## 2019 Baseline Monitoring

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 $L_{Aeq,15m}$ | Background Sound Level, dB $L_{A90,15m}$ | Comments |
|---|---|---|---|---|
| **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 $L_{Aeq,15m}$ | Background Sound Level, dB $L_{A90,15m}$ | Comments |
|---|---|---|---|---|
| **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 $L_{Aeq,15m}$ | Background Sound Level, dB $L_{A90,15m}$ | 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 $L_{Aeq,15m}$ | Background Sound Level, dB $L_{A90,15m}$ | 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 |
|---|---|---|

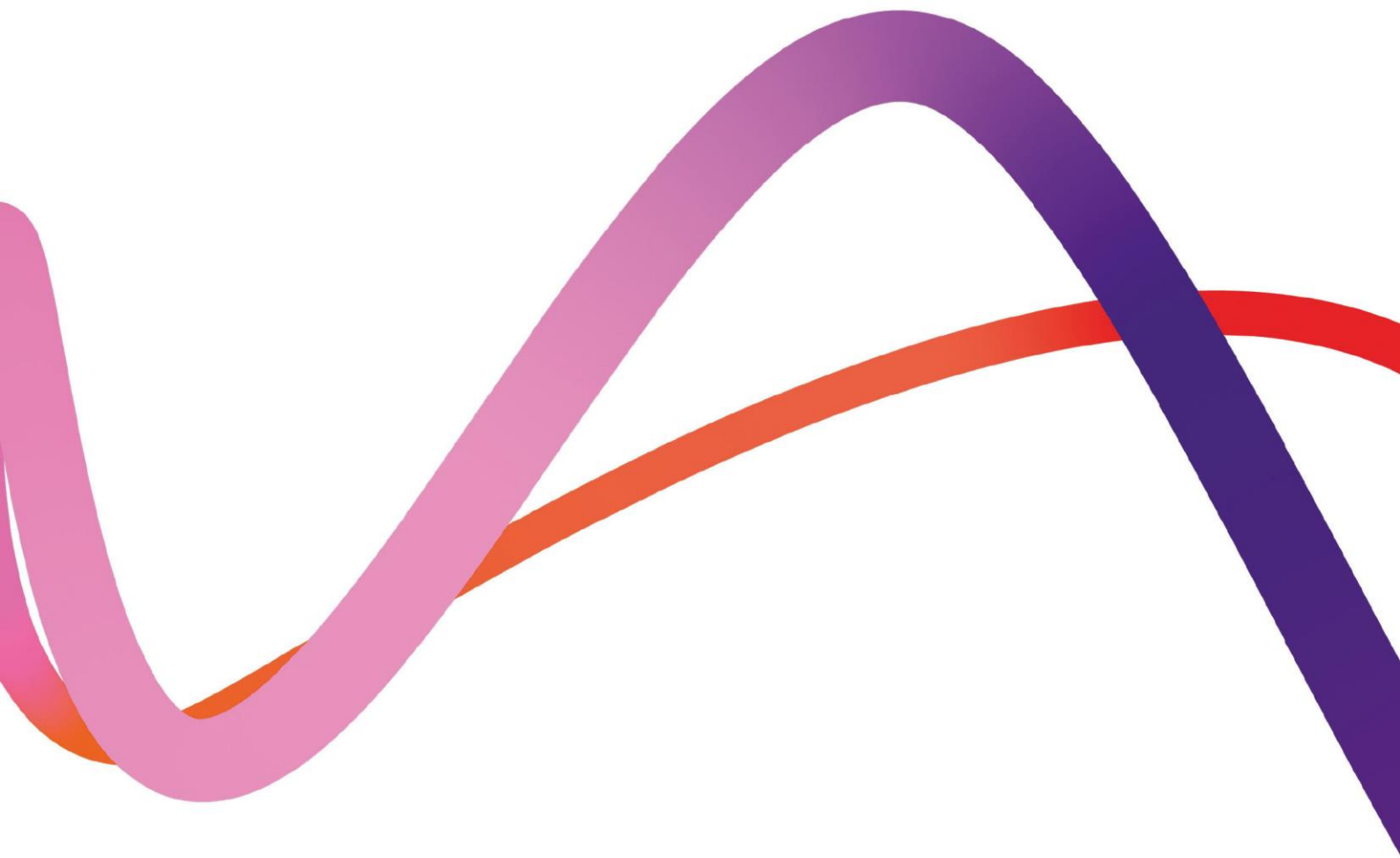
| Start Date & Time | | Residual Sound Level, dB $L_{Aeq,15m}$ | Background Sound Level, dB $L_{A90,15m}$ | |
|---|---|---|---|---|
| **13/11/2019 13:27** | Day | 58 | 53 | $L_{Aeq,T}$ = road and contribution from fighter jets, $L_{A90,T}$ = Industry. Engine rumble and vehicles at DC and fuel store to 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.



Medworth Energy from Waste
Combined Heat and Power Facility

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Revision 1.0
June 2022

# Environmental Statement Technical Appendix

# Appendix 7B: Construction Noise Assessments

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

We inspire with energy.

# Executive summary

## Purpose of this report

The purpose of this report is to provide details of the construction noise assessment undertaken to determine the likelihood of significant effects due to construction noise arising from construction of the Proposed Development.

This report sets out the approach taken to predict construction noise levels, the results of the predictions and determination of significance, taking into account the likely duration of the construction activities affecting each Receptor location and requirements for additional mitigation, where any significant effects are confirmed.

## Basis for the assessment

The assessment has been undertaken on the basis of draft construction plant lists and the draft construction programme. The draft plant lists represent a likely worst-case over the duration of the construction programme and reflect the current understanding of the likely plant requirements. Actual selection of plant and plant on-times are subject to change once the Proposed Development is consented and the Engineering, Procurement and Construction Contractor(s) (EPC Contractor)is appointed.

As such, it is considered that the predicted construction noise levels are representative of a worst-case, and that actual construction noise levels would likely be lower than predicted, for the majority of the duration of the works. The assessment is therefore representative of the envelope in which noise impacts may occur, whilst in practice the noise impacts may be lower than predicted.

Determination of the precise requirements for additional mitigation will be undertaken when there is a confirmed construction programme.

## Summary

Significant effects were confirmed at residential and non-residential Receptors in closest proximity to the Proposed Development during its construction. Various options for additional mitigation measures are set out which, when implemented, will avoid the significant effects identified.

Though the assessment indicates that significant effects will be avoided at all other locations assessed, construction noise should still be managed and reduced wherever possible and at all times during the construction of the Proposed Development in order to minimise any residual impacts. In particular, it is recommended that, during construction of the cable route for the Grid Connection and during construction of the northern end of the CHP Connection, additional mitigation measures set out in **Section 5** are implemented to reduce and avoid any impacts which may occur during construction of these elements.

# Glossary

| Term | Description |
|---|---|
| **ABC Method** | Method provided in BS 5228-1:2009+A1:2014 *Code of practice for noise and vibration control on construction and open sites – Part 1: Noise* for determining thresholds of potential significance for construction noise affecting residential premises. |
| **Ambient sound** | Totally encompassing sound in a given situation, at a given time, usually composed of sound from many sources near and far. |
| **ANC** | Association of Noise Consultants |
| **dB** | Decibel |
| **dBA** | 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. |
| **DCO** | Development Consent Order |
| **DNO** | (Electric) Distribution Network Operator |
| **EHO** | Environmental Health Officer |
| **EIA** | Environmental Impact Assessment |
| **ES** | Environmental Statement |
| **FDC** | Fenland District Council |
| **Free Field** | 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. |
| **HDD** | Horizontal Direction Drilling |
| **IOA** | Institute of Acoustics |
| **KWLN** | Borough Council of Kings Lynn and West Norfolk |

| Term | Description |
|---|---|
| $L_{Aeq, T}$ | 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. $L_{Aeq, T}$ is considered the best general-purpose index for environmental sound, as it is the index which generally best represents how sound levels are perceived. |
| **M&E** | (Installation of) Mechanical and electrical systems and equipment |

# Contents

# 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 ($CO_2$) emissions by over 80% by 2030 compared to 2018;
- reduce its indirect $CO_2$ 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 report is to provide details of the construction noise assessment undertaken to determine the likelihood of significant effects due to construction noise arising from construction of the Proposed Development.

1.4.2 This report sets out the approach taken to predict construction noise levels, the results of the predictions and determination of significance, taking into account the

likely duration of the construction activities affecting each Receptor location and requirements for additional mitigation, where any significant effects are confirmed.

# 2. Methodology

## 2.1 Relevant standards and guidance

2.1.1 All construction plant source noise levels have been taken from the information provided in BS 5228-1:2009+A1:2014 *'Code of practice for noise and vibration control on construction and open sites – Noise'* (BS 5228-1), with the exception of a single item – an impact wrench, used in the installation of the CHP Connection pipe bridge over Weasenham Lane, the source level for which was taken from a NIOSH database of tool sound power levels.

2.1.2 Thresholds of potential significance have been determined using the ABC method provided in Annex E of BS 5228-1 on the basis of the measured baseline sound levels. Periods of the day are defined in BS 5228-1 as follows:

- Daytime: 0700 to 1900 hrs;
- Evening: 1900 to 2300 hrs; and
- Night-time: 2300 to 0700 hrs.

2.1.3 Predictions of construction noise 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. This is because the alternative, the basic prediction methodology provided in BS 5228-1, typically overestimates the attenuation due to propagation over soft ground and the attenuation due to barriers and screening.

## 2.2 Construction plant and activities

2.2.1 Predictions of construction noise levels have been undertaken based on the likely plant requirements and the construction schedule. Likely plant requirements are set out in the plant lists provided in **Annex A**. Whilst, in general, the EIA breaks down consideration of each element of the Proposed Development separately, the construction noise assessment has been undertaken in a way that addresses potential overlaps of construction activities required for different elements.

2.2.2 For certain elements of the Proposed Development (the CHP Connection at the northern end of the CHP Connection Corridor, the installation of the Grid Connection cable in the vicinity of the Elm Hall Hotel and the installation of the CHP Connection pipe bridge over Weasenham Lane) there are no overlapping construction activities.

2.2.3 Proposed core working hours would be 07:00 to 19:00 Monday to Friday, 08:00 to 16:00 on Saturdays, and no work on Sundays or Public holidays. All out-of-core-hours works planned in advance would be subject to approval from the relevant local authorities as discussed below.

2.2.4 A limited number of works may be required outside of the core working hours, including:

- EfW CHP Facility:
  - Continuous and over running concrete pours;
  - Radiographic weld testing;
  - Mechanical and electrical;
  - Abnormal load deliveries;
  - Abnormal lifts; and
  - Pipe bridge installation works over Weasenham Lane (CHP Connection).
- Grid Connection:
  - Works within the A47 verge; and
  - Underground cable road crossings (Elm High Road).
- Water Connections:
  - HDD or open-cut trenching across the A47.

2.2.5 During the 1-hour before and 1-hour after the core working hours, some mobilisation activities would occur and include;

- Arrival and departure of the workforce at the site and movement to and from areas across the project;
- Site inspections and safety checks; site meetings (briefings and quiet inspections/walkovers);
- Site clean-up (site housekeeping that does not require the use of plant); and
- Low-key maintenance including site maintenance, safety checking of plant and machinery (provided this does not cause excessive noise).

2.2.6 Abnormal load deliveries and abnormal load lifts may also need to be undertaken outside of the core working hours. However, it is considered that abnormal load deliveries would be unlikely to give rise to any additional impacts beyond those identified in the assessment of construction activity at the EfW CHP Facility Site and TCC over the duration of the construction programme. Potential noise impacts due to abnormal lifts outside of core working hours are represented in the assessment of night-time works undertaken during works on the M&E, where likely plant requirements include (in addition to other plant items) lifting platforms, wheeled mobile cranes, and tracked mobile cranes.

2.2.7 Where works may be required to be undertaken during the evening and night-time, assessments have been undertaken of potential impacts during all weekend periods as defined in BS 5228-1.

2.2.8 Any works planned in advance being undertaken outside of core hours will be subject to agreement with the relevant local authorities. Agreements may be sought in writing or through the application for a Section 61 consent. The requirements of the Section 61 consent applications are described in the **Outline Construction Environmental Management Plan** (**CEMP) (Volume 7.12)**. Fundamentally, if appropriate details are submitted to the relevant local authorities setting out the

nature of the works and the measures that will be used to reduce, and where possible, avoid any adverse impacts, then a Section 61 consent should be granted to expedite the proposed works.

2.2.9 The diesel generators required to provide power at the TCC are only anticipated to be required for the first five months of the construction programme, until a connection to the main power grid is established. In subsequent months, the only significant noise source anticipated at the TCC is the movement of a telescopic handler.

2.2.10 A summary of the construction scenarios considered, based on review of the construction schedule is provided in **Table 2.1 Construction scenarios considered in the assessment** below. Where a scenario covers a range of months the period is inclusive of the first month but exclusive of the last month, i.e., 'Months 2 to 4' covers months 2 and 3.

### Table 2.1 Construction scenarios considered in the assessment

| List of construction scenarios considered in the assessment |
|---|
| **Month 1, mobilisation - TCC, weekdays, daytime** |
| **Month 1 - month 5, TCC generators, night-time/weekends** |
| **Months 2 to 4, TCC activity, mobilisation: EfW CHP Facility Site and Access Improvements, weekdays, daytime** |
| **Months 4 to 6, TCC activity, EfW CHP Facility Site earthworks and Access Improvements, weekdays, daytime** |
| **Months 6 to 8, TCC activity (telescopic handler only at TCC hereafter), Access Improvements and EfW CHP Facility Site earthworks, weekdays, daytime** |
| **Month 8, TCC activity, EfW CHP Facility Site earthworks, weekdays, daytime** |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, daytime** |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, night-time/weekends** |
| **Months 10 to 12, TCC activity, EfW CHP Facility Site foundations, plant installation, weekdays, daytime** |
| **Months 12 to 16, TCC activity, EfW CHP Facility Site foundations, M&E, plant installation, weekdays, daytime** |
| **Months 12 to 31, EfW CHP Facility Site M&E, night-time/weekends** |
| **Months 16 to 18, TCC activity, EfW CHP Facility Site foundations, M&E & plant installation, weekdays, daytime** |

| List of construction scenarios considered in the assessment |
|---|
| Months 16 to 18, Grid Connection & Water Connection along New Bridge Lane, EfW CHP Facility M&E, night-time/weekends |
| Months 16 to 18, Water Connection (HDD under A47) and EfW CHP Facility Site M&E, night-time/weekends |
| Months 16 to 18, Water Connection (Open trench through A47) and EfW CHP Facility Site M&E, night-time/weekends |
| Months 18 to 22, TCC activity, EfW CHP Facility Site roads and hardstandings, M&E and plant installation, weekdays, daytime |
| Months 18 to 22, Grid Connection along A47 and Broadend Road, night-time/weekends |
| Month 21, Grid Connection at Walsoken Substation, weekdays, daytime |
| Months 22 to 25, and Month 30, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, weekdays, daytime |
| Month 25, CHP Connection mobilisation site clearance (nr Victory Rd), weekdays, daytime |
| Months 26 to 30, CHP Connection foundations (nr Victory Rd), weekdays, daytime |
| Month 31, CHP Connection install (nr Victory Rd), weekdays, daytime |
| Month 25, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, CHP Connection mobilisation site clearance, weekdays, daytime |
| Months 26 to 30, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, CHP Connection foundations, weekdays, daytime |
| Month 31, TCC activity, EfW CHP Facility Site structures, plant installation, CHP Connection install, weekdays, daytime |
| Month 30, CHP Connection install, Weasenham Lane crossing, night-times/weekends |
| Months 31 to 34, TCC activity, EfW CHP Facility Site structures, plant installation, weekdays, daytime |
| Months 34 to 36, TCC activity, EfW CHP Facility Site structures, commissioning and testing, weekdays, daytime |
| Months 34 to 36, EfW CHP Facility commissioning and testing, night-times/weekends |
| Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, daytime |

| List of construction scenarios considered in the assessment |
| --- |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, night-times/weekends** |

## Commissioning and testing

2.2.11 The likely effects associated with the commissioning and testing phase are expected to be similar to those during the operational phase, albeit with a lesser duration of nine months. In the first two months of commissioning and testing (months 34 to 36) at the EfW CHP Facility Site, during the daytime, there would be some construction activities ongoing including the removal of any final, temporary buildings and surfaces that would have been retained at the TCC following the completion of the main construction activities. Material from the earth bunds would be used to dress back the site and the ground would be seeded prior to its return to the landowner. The final stage of the construction programme, from months 36 to 43, would consist only of commissioning and testing activities.

2.2.12 During commissioning and testing, some steam venting will be required which may be audible at off Site locations. However, steam vents will have silencers fitted, and whilst steam venting may be audible, it is anticipated that the average sound levels over the commissioning and testing phase would not exceed the predicted operational sound levels.

2.2.13 Based on the above, and as any impacts during the commissioning and testing phase would be short-term and temporary, it is considered that the likely effects relating to the commissioning and testing phase will be no more significant than those attributed to the operational phase.

## Decommissioning

2.2.14 The environmental effects associated with the decommissioning phase are expected to be of a similar level to those during the construction phase works, albeit with a lesser duration of one year.

2.2.15 Therefore, the likely effects relating to the decommissioning phase will be no more significant than those attributed to the construction phase.

# 2.3 Prediction methodology

2.3.1 In general, construction activities have been modelled as area and line sources at locations representing where each construction activity is expected to occur, with each modelled source at 1.5m above local ground level, and a sound power level assigned based on the activities being undertaken, as provided in the plant information in **Annex A**. Ground in the model is assumed to be flat, mixed hard and soft ground, except for the EfW CHP Facility Site, which is assumed to be hard ground.

2.3.2 For linear works, construction activities have been modelled as line sources 1.5m above local ground level. For the CHP Connection at the northern end of the CHP

Connection Corridor, the model has been set to predict worst-case maximum sound levels per Receptor, assuming the total sound power of each activity is in one location nearest to each Receptor. This is to account for a potential worst-case short duration maximum sound level whilst works may be focussed in a small area in close proximity to each Receptor.

2.3.3 As the construction of the CHP Connection at the southern end of the CHP Connection Corridor will be undertaken during other nearby construction activities at the EfW CHP Facility Site (civil works, M&E and plant installation) the modelled CHP Connection construction activities are predicted on a more typical basis, with construction activity assumed to occur over a 100m stretch of the CHP Connection Corridor, and with the total sound power of the CHP Connection construction activities distributed along the length of the modelled line.

2.3.4 For the construction of the Access Improvements, a single line source of approximately 150m length was modelled covering the area where significant effects could occur.

2.3.5 For the Grid Connection a number of 150m line sources were modelled at various points along the Grid Connection Corridor, to account for construction activities over representative areas, in worst-case locations in closest proximity to the Receptors within the Study Area.

2.3.6 Works required to facilitate the Water Connections crossing under the A47 are restricted to a very limited area, therefore point sources were used to model plant, pumps and generators, at 1.5m above local ground level.

2.3.7 For the majority of construction scenarios considered, the predicted construction noise levels are determined based on logarithmic summation of the contributions from the various different construction activities being undertaken at a given point in the construction programme. For example, in the scenario ‘Months 4 to 6, TCC activity, EfW CHP Facility Site earthworks and Access Improvements, weekdays, daytime’, predicted construction noise levels at the Receptors within the Study Area include summed contributions from:

- EfW CHP Facility Site: mobilisation;
- TCC activity (day);
- Access Improvements; and
- EfW CHP Facility Site: earthworks.

2.3.8 This approach has been taken to account for the overlaps of different construction activities.

## Commissioning and testing

2.3.9 The likely effects associated with the commissioning and testing phase are expected to be similar to those during the operational phase. As such, the predicted operational sound levels provided in **Chapter 7: Noise and Vibration (Volume 6.2)** have been used to inform the assessment of likely significant effects during this period.

## 2.4 Assessment methodology

2.4.1 The determination of significance of an effect is undertaken with regard to the impact magnitude and sensitivity of the Receptor, using the standards and guidance detailed above, and using professional judgment. The general approach to the determination of significance is provided in **Chapter 4: Approach to the EIA (Volume 6.2)** with any departures from that approach identified in the following sub-sections.

### Sensitivity of Receptors

2.4.2 **Table 2.2 Establishing the sensitivity of Receptors** details the basis for assessing Receptor sensitivity which has been produced on the basis of experience of assessing similar facilities and professional judgement.

**Table 2.2 Establishing the sensitivity of Receptors**

| Sensitivity | Examples |
|---|---|
| **High** | Eye clinics, hospital operating theatres, recording studios. |
| **Medium** | Dwellings, schools, hotels. |
| **Low** | Office buildings, public amenity areas. |
| **Negligible** | Industrial and commercial premises (inc. associated low density office spaces). |

2.4.3 Receptors are assessed on days and times when they are expected to be in use. Potential impacts at schools are included in assessments of weekday daytime scenarios. Potential impacts at The Eye Clinic are assessed during weekday and Saturday daytimes. Residential and industrial/commercial Receptors are included in assessments on all days and in all time periods.

2.4.4 **Table 2.43 Potential Receptors** provides a list of potential Receptors which may be considered in the assessment. Only those Receptors falling within the respective Study Areas for each element of the Proposed Development are considered in each construction scenario. Figures indicating the Study Areas are provided in the ES, **Chapter 7: Noise and Vibration (Figures, Volume 6.3)**.

## Table 2.3 Potential Receptors

| ID | Receptor | Direction | Approximate distance from boundary of works /activities |
|---|---|---|---|
| **Residential Receptors nearest to the EfW CHP Facility Site, including TCC, Access Improvements, Water Connection, Grid Connection and CHP Connection** | | | |
| **R1** | **2 New Bridge Lane** | south-west | 5m |
| **R2** | **9 New Bridge Lane** | south-west | 20m |
| **R3** | **10 New Bridge Lane** | south-west | 20m |
| **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 |
| **R13** | **23 Victory Road** | north | 900m |
| **R14** | **Bruce Close** | north-east | 1000m |
| **R15** | **50 – 60 Weasenham Lane** | north-east | 850m |
| **Non-residential Receptors nearest to the EfW CHP Facility Site, including TCC, Access Improvements, Water Connection, Grid Connection and CHP Connection** | | | |
| **R16** | **BJ Books Ltd, Algores Way** | north-east | 20m |
| **R17** | **DHL, 11 Salters Way** | north | 10m |

| ID | Receptor | Direction | Approximate distance from boundary of works /activities |
|---|---|---|---|
| **R18** | **Welbourns of Wisbech Ltd, 3 New Bridge Lane** | south | 15m |
| **R19** | **Kirk Coachworks, New Bridge Lane** | south | 20m |
| **R20** | **Thurlow Nunn, 14 Cromwell Road** | west | 20m |
| **R21** | **Tesco Filling Station, Cromwell Road** | north | 30m |
| **R22** | **James Mackle (UK) Ltd, Algores Way** | east | 30m |
| **R23** | **Industrial Operation, Boleness Road** | east | 30m |
| **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 nearest to the EfW CHP Facility Site** | | | |
| **R26** | **TBAP Unity Academy, Algores Way /Weasenham Lane** | north-west | 620m |
| **R27** | **Cambian Education Foundation Learning Centre, Anglia Way** | north-west | 200m |
| **R28** | **Thomas Clarkson Academy** | north-west | 750m |
| **Residential Receptors nearest to the CHP Connection** | | | |
| **R31** | **15 Hillburn Road** | east | 5m |
| **R32** | **16 Hillburn Road** | east | 5m |
| **R33** | **16a Hillburn Road** | east | 5m |
| **R34** | **24 Burdett Road** | east | 10m |

| ID | Receptor | Direction | Approximate distance from boundary of works /activities |
|---|---|---|---|
| **R35** | **5 Great Eastern Road** | east | 10m |
| **R36** | **1 Oldfield Lane** | west | 55m |
| **R37** | **3 Oldfield Lane** | west | 60m |
| **R38** | **25 Victory Road** | east | 5m |
| **R39** | **27 Victory Road** | east | 5m |
| **R50** | **21 Cromwell Road** | west | 260m |
| **Residential Receptors nearest to the Grid Connection cable route** | | | |
| **R2** | **9 New Bridge Lane** | north-west | 100m |
| **R3** | **10 New Bridge Lane** | south | 30m |
| **R4** | **Dwelling known as 'Potty Plants' off new Bridge Lane, north of the A47** | south | 30m |
| **R5** | **Newbridge Lane Caravan Park** | south | 30m |
| **R44** | **52 Broadend Road** | south | 20m |
| **R45** | **56 Broadend Road** | south-east | 50m |
| **R46** | **Elme Hall Hotel** | north | 30m |
| **R47** | **85 Elm High Road** | south | 60m |
| **R48** | **36 Elmfield Drive** | south | 130m |
| **R49** | **Oxburgh Cottage, Meadowgate Lane** | south | 100m |
| **Residential Receptors near to the Grid Connection at Walsoken Substation** | | | |
| **R44** | **52 Broadend Road** | east | 20m |

| ID | Receptor | Direction | Approximate distance from boundary of works /activities |
|---|---|---|---|
| | | | |
| **R45** | **56 Broadend Road** | east | 50m |

## Magnitude of Impact

2.4.5 The determination of magnitudes of impact at dwellings due to construction noise has been undertaken with reference to BS 5228-1 on the basis of the information provided and the representative baseline sound levels.

2.4.6 BS 5228-1 states that, at residential Receptors, if the predicted construction noise level exceeds the appropriate threshold category value determined in accordance with the ABC method provided in Annex E Section E.3.2. of BS 5228-1, then a potential significant effect may be indicated.

2.4.7 **Table 2.4 Impact magnitudes of construction noise affecting dwellings** provides the outline criteria that will determine the impact magnitudes for construction noise at residential Receptors, based on the ABC method. Following the baseline surveys, ambient sound levels were found to be much below the lowest threshold categories in many cases. Therefore, whilst reference is made to the baseline sound levels in **Table 2.4 Impact magnitudes of construction noise affecting dwellings**, the criteria have been further described in accordance with the ABC method in BS 5228-1, the term 'baseline' in this case refers to the comparison of existing ambient levels and the thresholds of significance. The final outcome of the assessment of construction noise at residential Receptors will also require consideration of absolute sound levels and the duration of specific activities.

### Table 2.4 Impact magnitudes of construction noise affecting dwellings

| Magnitude | Description |
|---|---|
| **High** | Levels very much greater than baseline and very disruptive<br>(10 dB or more above threshold of significance). |
| **Medium** | Levels greater than baseline and disruptive<br>(between 5 to 9 dB above threshold of significance). |
| **Low** | Levels approximately equal to baseline<br>(less than 5 dB above threshold of significance). |
| **Negligible** | Levels less than baseline<br>(lower than threshold of significance). |

2.4.8 The determination of appropriate thresholds for magnitudes of impact at non-residential Receptors has been undertaken with reference to

BS 5228-1:2009+A1:2014 and BS 8233:2014 'Guidance on sound insulation and noise reduction for buildings'. The impact magnitude criteria are provided in **Table 2.5 Impact magnitudes of construction noise affecting non-residential Receptors**, below.

**Table 2.5 Impact magnitudes of construction noise affecting non-residential Receptors**

| Magnitude | Construction noise level, dBA | Description |
|---|---|---|
| **High** | >=65 | Criteria based on guidance in BS 5228-1. Levels over 65 dBA are increasingly likely to give rise to an exceedance of a total ambient sound level of 75 dBA. BS 5228-1 provides an ambient noise limit, for assessing construction noise, of 75 dBA for offices in industrial areas affected by daytime construction noise. |
| **Medium** | 50 – 65 | Criteria based on guidance in BS 8233 – potential for increasing interference with external speech communication/use of office spaces when windows are partially open. |
| **Low** | 45 – 49 | Criteria based on guidance in BS 8233 – some potential to interfere with external speech communication/use of office spaces when windows are partially open. |
| **Negligible** | <=44 | Criteria based on guidance in BS 8233 – unlikely to interfere with external speech communication/use of office spaces when windows are partially open. |

## Determination of significance

2.4.9 **Table 2.6 Significance evaluation matrix** provides the assessment matrix which will be used to determine the indicative significance of effects based on the sensitivity of the Receptor and the predicted impact magnitudes. The determination considers potential as opposed to probable significance which is the general approach taken in **Chapter 4: Approach to the EIA (Volume 6.2)**.

**Table 2.6 Significance evaluation matrix**

| | | Magnitude of Impact | | | |
|---|---|---|---|---|---|
| | | **High** | **Medium** | **Low** | **Negligible** |
| **Receptor Sensitivity** | **High** | Major (Significant) | Major (Significant) | Moderate or Major (Potentially significant) | Moderate (Potentially significant) |
| | **Medium** | Major (Significant) | Moderate or Major (Potentially significant) | Moderate (Potentially significant) | Minor (Not significant) |

| | Magnitude of Impact | | | |
|---|---|---|---|---|
| | **High** | **Medium** | **Low** | **Negligible** |
| **Low** | Moderate or Major (Potentially significant) | Moderate (Potentially significant) | Minor (Not significant) | Negligible (Not significant) |
| **Negligible** | Moderate (Potentially significant) | Minor (Not significant) | Negligible (Not significant) | Negligible (Not significant) |

2.4.10 The final determination of significance will depend on the number of Receptors affected, the duration of impacts and the absolute sound levels. This accords with BS 5228-1, which states *"The assessor then needs to consider project-specific factors, such as the number of Receptors affected and the duration and character of the impact, to determine if there is a significant effect"*.

2.4.11 Consideration of the duration of impacts is undertaken with reference to the duration of activities as indicated in the outline construction schedule and the information in **Chapter 3: Description of the Proposed Development (Volume 6.2)**, and the guidance provided in Annex E4 of BS 5228-1. The guidance in Annex E4 of BS 5228-1 provides ambient noise level and duration criteria for domestic premises which, when triggered, indicates eligibility for additional noise insulation. It is considered that, if the requirement for noise insulation or temporary rehousing is triggered, then a quantifiable significant effect has been identified. The BS 5228-1 criteria for eligibility for noise insulation is provided below in **Table 2.7 BS 5228-1 Table E2: Examples of time periods, averaging times and noise levels associated with the determination of eligibility for noise insulation**.

**Table 2.7 BS 5228-1 Table E2: Examples of time periods, averaging times and noise levels associated with the determination of eligibility for noise insulation**

| Time | Relevant time period | Averaging time, T | Noise insulation trigger level, dB $L_{Aeq,T}$ [A] |
|---|---|---|---|
| **Monday to Friday** | 07.00 – 08.00 | 1 h | 70 |
| | 08.00 – 18.00 | 10 h | 75 |
| | 18.00 – 19.00 | 1 h | 70 |
| | 19.00 – 22.00 | 3 h | 65 |
| | 22.00 – 07.00 | 1 h | 55 |
| **Saturday** | 07.00 – 08.00 | 1 h | 70 |
| | 08.00 – 13.00 | 5 h | 75 |
| | 13.00 – 14.00 | 1 h | 70 |
| | 14.00 – 22.00 | 3 h | 65 |
| | 22.00 – 07.00 | 1 h | 55 |
| | 07.00 – 21.00 | 1 h | 65 |

| Time | Relevant time period | Averaging time, T | Noise insulation trigger level, dB $L_{Aeq,T}$ [A] |
|---|---|---|---|
| **Sunday and** | 21.00 – 07.00 | 1 h | 55 |

A) All noise levels are predicted or measured at a point 1m in front of the most exposed of any windows and doors in any façade of any eligible dwelling

2.4.12 With regard to eligibility for noise insulation, guidance contained in Annex E4 of BS 5228-1 states:

*"Noise insulation, or the reasonable costs thereof, will be offered by the developer or promoter to owners, where applied for by owners or occupiers, subject to meeting the other requirements of the proposed scheme, where the construction of the development causes, or is expected to cause, a measured or predicted airborne construction noise level that exceeds either of the following at property lawfully occupied as a permanent dwelling:*

*• the noise insulation trigger levels presented in Table E.2 for the corresponding times of day;*

*• a noise level 5 dB or more above the existing pre-construction ambient noise level for the corresponding times of day;*

*whichever is the higher;*

*and for a period of 10 or more days of working in any 15 consecutive days or for a total number of days exceeding 40 in any 6 consecutive months."*

2.4.13 With regard to eligibility for temporary rehousing, guidance contained in Annex E4 of BS 5228-1 states:

*"Temporary rehousing, or the reasonable costs thereof, will be offered by the developer or promoter to owners, subject to meeting the other requirements of the proposed scheme, where the construction of the development causes, or is expected to cause, a measured or predicted airborne construction noise level that exceeds either of the following at property lawfully occupied as a permanent dwelling:*

*• a noise level 10 dB above any of the trigger noise levels presented in Table E.2 for the corresponding times of the day; or*

*• a noise level 10 dB above the pre-construction ambient noise level for the corresponding times of the day;*

*whichever is the higher;*

*and for a period of 10 or more days of working in any 15 consecutive days or for a total number of days exceeding 40 in any 6 consecutive months."*

2.4.14 Following determination of significance, the outcome of the assessment will be defined in terms of the effect levels detailed in the Noise Policy Statement for England (NPSE) as set out in the EIA, **Chapter 7: Noise and Vibration (Volume 6.2).**

# 3. Construction noise assessment: residential Receptors

## 3.1 Predicted construction noise levels and numerical assessment

3.1.1 The numerical assessment of potential construction noise impacts at residential Receptors throughout the construction programme is presented overleaf in **Table 3.1 Construction noise assessment: residential Receptors**. For each scenario, only those Receptors falling within the respective Study Area, or Study Areas, are shown.

3.1.2 In accordance with BS 5228-1, the final determination of significance impacts depends on consideration of *"the number of Receptors affected and the duration and character of the impact"*.

## Table 3.1 Construction noise assessment: residential Receptors

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| **Month 1, mobilisation - TCC, weekdays, day** | | | | | | |
| R1 | A | 65 | 45 | No | Negligible | Minor |
| R2 | A | 65 | 59 | No | Negligible | Minor |
| R3 | A | 65 | 62 | No | Negligible | Minor |
| R4 | B | 70 | 50 | No | Negligible | Minor |
| R7 | A | 65 | 53 | No | Negligible | Minor |
| **Month 1 - month 5, TCC generators, weekdays, evening** | | | | | | |
| R1 | A | 55 | 29 | No | Negligible | Minor |
| R2 | A | 55 | 41 | No | Negligible | Minor |
| R3 | A | 55 | 44 | No | Negligible | Minor |
| R4 | C | 65 | 34 | No | Negligible | Minor |
| R7 | B | 60 | 37 | No | Negligible | Minor |
| **Month 1 - month 5, TCC generators, weekdays, night** | | | | | | |
| R1 | C | 55 | 29 | No | Negligible | Minor |
| R2 | C | 55 | 41 | No | Negligible | Minor |
| R3 | C | 55 | 44 | No | Negligible | Minor |
| R4 | C | 55 | 34 | No | Negligible | Minor |
| R7 | C | 55 | 37 | No | Negligible | Minor |
| **Month 1, TCC generators, weekends, Saturday 0800 - 1300 hrs** | | | | | | |
| R1 | A | 55 | 29 | No | Negligible | Minor |
| R2 | A | 55 | 41 | No | Negligible | Minor |
| R3 | A | 55 | 44 | No | Negligible | Minor |
| R4 | A | 55 | 34 | No | Negligible | Minor |
| R7 | A | 55 | 37 | No | Negligible | Minor |
| **Month 1 - month 5, TCC generators, weekends, Saturday 1300 - 1600 hrs** | | | | | | |
| R1 | B | 60 | 29 | No | Negligible | Minor |
| R2 | A | 55 | 41 | No | Negligible | Minor |
| R3 | A | 55 | 44 | No | Negligible | Minor |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R4 | C | 65 | 34 | No | Negligible | Minor |
| R7 | A | 55 | 37 | No | Negligible | Minor |
| **Month 1 - month 5, TCC generators, weekends, Sunday 0700 - 2300 hrs** | | | | | | |
| R1 | B | 60 | 29 | No | Negligible | Minor |
| R2 | A | 55 | 41 | No | Negligible | Minor |
| R3 | A | 55 | 44 | No | Negligible | Minor |
| R4 | C | 65 | 34 | No | Negligible | Minor |
| R7 | A | 55 | 37 | No | Negligible | Minor |
| **Months 2 to 4, TCC activity, mobilisation: EfW CHP Facility Site and Access Improvements, weekdays, day** | | | | | | |
| R1 | A | 65 | 54 | No | Negligible | Minor |
| R2 | A | 65 | 77 | Yes | High | Major |
| R3 | A | 65 | 72 | Yes | Medium | Moderate or Major |
| R4 | B | 70 | 57 | No | Negligible | Minor |
| R7 | A | 65 | 55 | No | Negligible | Minor |
| R9 | A | 65 | 49 | No | Negligible | Minor |
| R10 | A | 65 | 47 | No | Negligible | Minor |
| **Months 4 to 6, TCC activity, EfW CHP Facility Site earthworks and Access Improvements, weekdays, day** | | | | | | |
| R1 | A | 65 | 54 | No | Negligible | Minor |
| R2 | A | 65 | 77 | Yes | High | Major |
| R3 | A | 65 | 72 | Yes | Medium | Moderate or Major |
| R4 | B | 70 | 56 | No | Negligible | Minor |
| R7 | A | 65 | 54 | No | Negligible | Minor |
| R9 | A | 65 | 48 | No | Negligible | Minor |
| R10 | A | 65 | 46 | No | Negligible | Minor |
| **Months 6 to 8, TCC activity (telescopic handler only at TCC hereafter), Access Improvements and EfW CHP Facility Site earthworks, weekdays, day** | | | | | | |
| R1 | A | 65 | 54 | No | Negligible | Minor |
| R2 | A | 65 | 77 | Yes | High | Major |
| R3 | A | 65 | 72 | Yes | Medium | Moderate or Major |
| R4 | B | 70 | 56 | No | Negligible | Minor |
| R7 | A | 65 | 53 | No | Negligible | Minor |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R9 | A | 65 | 48 | No | Negligible | Minor |
| R10 | A | 65 | 46 | No | Negligible | Minor |
| **Month 8, TCC activity, EfW CHP Facility Site earthworks, weekdays, day** | | | | | | |
| R1 | A | 65 | 47 | No | Negligible | Minor |
| R2 | A | 65 | 65 | No | Negligible | Minor |
| R3 | A | 65 | 64 | No | Negligible | Minor |
| R4 | B | 70 | 53 | No | Negligible | Minor |
| R7 | A | 65 | 52 | No | Negligible | Minor |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, day** | | | | | | |
| R1 | A | 65 | 39 | No | Negligible | Minor |
| R2 | A | 65 | 52 | No | Negligible | Minor |
| R3 | A | 65 | 53 | No | Negligible | Minor |
| R4 | B | 70 | 43 | No | Negligible | Minor |
| R7 | A | 65 | 43 | No | Negligible | Minor |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, evening** | | | | | | |
| R1 | A | 55 | 39 | No | Negligible | Minor |
| R2 | A | 55 | 52 | No | Negligible | Minor |
| R3 | A | 55 | 53 | No | Negligible | Minor |
| R4 | C | 65 | 43 | No | Negligible | Minor |
| R7 | B | 60 | 43 | No | Negligible | Minor |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, night** | | | | | | |
| R1 | C | 55 | 39 | No | Negligible | Minor |
| R2 | C | 55 | 52 | No | Negligible | Minor |
| R3 | C | 55 | 53 | No | Negligible | Minor |
| R4 | C | 55 | 43 | No | Negligible | Minor |
| R7 | C | 55 | 43 | No | Negligible | Minor |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Saturday 0800 - 1300 hrs** | | | | | | |
| R1 | A | 55 | 39 | No | Negligible | Minor |
| R2 | A | 55 | 52 | No | Negligible | Minor |
| R3 | A | 55 | 53 | No | Negligible | Minor |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R4 | A | 55 | 43 | No | Negligible | Minor |
| R7 | A | 55 | 43 | No | Negligible | Minor |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Saturday 1300 - 1600 hrs** | | | | | | |
| R1 | B | 60 | 39 | No | Negligible | Minor |
| R2 | A | 55 | 52 | No | Negligible | Minor |
| R3 | A | 55 | 53 | No | Negligible | Minor |
| R4 | C | 65 | 43 | No | Negligible | Minor |
| R7 | A | 55 | 43 | No | Negligible | Minor |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Sunday 0700 - 2300 hrs** | | | | | | |
| R1 | B | 60 | 39 | No | Negligible | Minor |
| R2 | A | 55 | 52 | No | Negligible | Minor |
| R3 | A | 55 | 53 | No | Negligible | Minor |
| R4 | C | 65 | 43 | No | Negligible | Minor |
| R7 | A | 55 | 43 | No | Negligible | Minor |
| **Months 10 to 12, TCC activity, EfW CHP Facility Site foundations, plant installation, weekdays, day** | | | | | | |
| R1 | A | 65 | 44 | No | Negligible | Minor |
| R2 | A | 65 | 58 | No | Negligible | Minor |
| R3 | A | 65 | 58 | No | Negligible | Minor |
| R4 | B | 70 | 48 | No | Negligible | Minor |
| R7 | A | 65 | 48 | No | Negligible | Minor |
| **Months 12 to 16, TCC activity, EfW CHP Facility Site foundations, M&E, plant installation, weekdays, day** | | | | | | |
| R1 | A | 65 | 49 | No | Negligible | Minor |
| R2 | A | 65 | 63 | No | Negligible | Minor |
| R3 | A | 65 | 63 | No | Negligible | Minor |
| R4 | B | 70 | 53 | No | Negligible | Minor |
| R7 | A | 65 | 52 | No | Negligible | Minor |
| **Months 12 to 31, EfW CHP Facility Site M&E, weekdays, evening** | | | | | | |
| R1 | A | 55 | 42 | No | Negligible | Minor |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 56 | Yes | Low | Moderate |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R4 | C | 65 | 46 | No | Negligible | Minor |
| R7 | B | 60 | 46 | No | Negligible | Minor |
| **Months 12 to 31, EfW CHP Facility Site M&E, weekdays, night** | | | | | | |
| R1 | C | 55 | 42 | No | Negligible | Minor |
| R2 | C | 55 | 56 | Yes | Low | Moderate |
| R3 | C | 55 | 56 | Yes | Low | Moderate |
| R4 | C | 55 | 46 | No | Negligible | Minor |
| R7 | C | 55 | 46 | No | Negligible | Minor |
| **Months 12 to 31, EfW CHP Facility Site M&E, weekends, Saturday 0800 - 1300 hrs** | | | | | | |
| R1 | A | 55 | 42 | No | Negligible | Minor |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 56 | Yes | Low | Moderate |
| R4 | A | 55 | 46 | No | Negligible | Minor |
| R7 | A | 55 | 46 | No | Negligible | Minor |
| **Months 12 to 31, EfW CHP Facility Site M&E, weekends, Saturday 1300 - 1600 hrs** | | | | | | |
| R1 | B | 60 | 42 | No | Negligible | Minor |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 56 | Yes | Low | Moderate |
| R4 | C | 65 | 46 | No | Negligible | Minor |
| R7 | A | 55 | 46 | No | Negligible | Minor |
| **Months 12 to 31, EfW CHP Facility Site M&E, weekends, Sunday 0700 - 2300 hrs** | | | | | | |
| R1 | B | 60 | 42 | No | Negligible | Minor |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 56 | Yes | Low | Moderate |
| R4 | C | 65 | 46 | No | Negligible | Minor |
| R7 | A | 55 | 46 | No | Negligible | Minor |
| **Months 16 to 18, TCC activity, EfW CHP Facility Site foundations, M&E & plant installation, weekdays, day** | | | | | | |
| R1 | A | 65 | 49 | No | Negligible | Minor |
| R2 | A | 65 | 63 | No | Negligible | Minor |
| R3 | A | 65 | 63 | No | Negligible | Minor |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R4 | B | 70 | 53 | No | Negligible | Minor |
| R5 | B | 70 | 48 | No | Negligible | Minor |
| R6 | B | 70 | 50 | No | Negligible | Minor |
| R7 | A | 65 | 52 | No | Negligible | Minor |
| **Months 16 to 18, Grid Connection & Water Connection along New Bridge Lane, EfW CHP Facility M&E, weekdays, evening** | | | | | | |
| R2 | A | 55 | 63 | Yes | Medium | Moderate or Major |
| R3 | A | 55 | 70 | Yes | High | Major |
| R4 | C | 65 | 70 | Yes | Medium | Moderate or Major |
| R5 | C | 65 | 54 | No | Negligible | Minor |
| R7 | B | 60 | 51 | No | Negligible | Minor |
| **Months 16 to 18, Grid Connection & Water Connection along New Bridge Lane, EfW CHP Facility M&E, weekdays, night** | | | | | | |
| R2 | C | 55 | 63 | Yes | Medium | Moderate or Major |
| R3 | C | 55 | 70 | Yes | High | Major |
| R4 | C | 55 | 70 | Yes | High | Major |
| R5 | C | 55 | 54 | No | Negligible | Minor |
| R7 | C | 55 | 51 | No | Negligible | Minor |
| **Months 16 to 18, Grid Connection & Water Connection along New Bridge Lane, EfW CHP Facility M&E, weekends, Saturday 0800 - 1300 hrs** | | | | | | |
| R2 | A | 55 | 63 | Yes | Medium | Moderate or Major |
| R3 | A | 55 | 70 | Yes | High | Major |
| R4 | A | 55 | 70 | Yes | High | Major |
| R5 | A | 55 | 54 | No | Negligible | Minor |
| R7 | A | 55 | 51 | No | Negligible | Minor |
| **Months 16 to 18, Grid Connection & Water Connection along New Bridge Lane, EfW CHP Facility M&E, weekends, Saturday 1300 - 1600 hrs** | | | | | | |
| R2 | A | 55 | 63 | Yes | Medium | Moderate or Major |
| R3 | A | 55 | 70 | Yes | High | Major |
| R4 | C | 65 | 70 | Yes | Medium | Moderate or Major |
| R5 | C | 65 | 54 | No | Negligible | Minor |
| R7 | A | 55 | 51 | No | Negligible | Minor |
| **Months 16 to 18, Grid Connection & Water Connection along New Bridge Lane, EfW CHP Facility M&E, weekends, Sunday 0700 - 2300 hrs** | | | | | | |
| R2 | A | 55 | 63 | Yes | Medium | Moderate or Major |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R3 | A | 55 | 70 | Yes | High | Major |
| R4 | C | 65 | 70 | Yes | Medium | Moderate or Major |
| R5 | C | 65 | 54 | No | Negligible | Minor |
| R7 | A | 55 | 51 | No | Negligible | Minor |
| **Months 16 to 18, Water Connection (HDD under A47) and EfW CHP Facility Site M&E, weekdays, evening** | | | | | | |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 57 | Yes | Low | Moderate |
| R4 | C | 65 | 62 | No | Negligible | Minor |
| R5 | C | 65 | 56 | No | Negligible | Minor |
| R6 | C | 65 | 45 | No | Negligible | Minor |
| R7 | B | 60 | 50 | No | Negligible | Minor |
| **Months 16 to 18, Water Connection (HDD under A47) and EfW CHP Facility Site M&E, weekdays, night** | | | | | | |
| R2 | C | 55 | 56 | Yes | Low | Moderate |
| R3 | C | 55 | 57 | Yes | Low | Moderate |
| R4 | C | 55 | 62 | Yes | Medium | Moderate or Major |
| R5 | C | 55 | 56 | Yes | Low | Moderate |
| R6 | C | 55 | 45 | No | Negligible | Minor |
| R7 | C | 55 | 50 | No | Negligible | Minor |
| **Months 16 to 18, Water Connection (HDD under A47) and EfW CHP Facility Site M&E, weekends, Saturday 0800 - 1300 hrs** | | | | | | |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 57 | Yes | Low | Moderate |
| R4 | A | 55 | 62 | Yes | Medium | Moderate or Major |
| R5 | A | 55 | 56 | Yes | Low | Moderate |
| R6 | A | 55 | 45 | No | Negligible | Minor |
| R7 | A | 55 | 50 | No | Negligible | Minor |
| **Months 16 to 18, Water Connection (HDD under A47) and EfW CHP Facility Site M&E, weekends, Saturday 1300 - 1600 hrs** | | | | | | |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 57 | Yes | Low | Moderate |
| R4 | C | 65 | 62 | No | Negligible | Minor |
| R5 | C | 65 | 56 | No | Negligible | Minor |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R6 | C | 65 | 45 | No | Negligible | Minor |
| R7 | A | 55 | 50 | No | Negligible | Minor |
| **Months 16 to 18, Water Connection (HDD under A47) and EfW CHP Facility Site M&E, weekends, Sunday 0700 - 2300 hrs** | | | | | | |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 57 | Yes | Low | Moderate |
| R4 | C | 65 | 62 | No | Negligible | Minor |
| R5 | C | 65 | 56 | No | Negligible | Minor |
| R6 | C | 65 | 45 | No | Negligible | Minor |
| R7 | A | 55 | 50 | No | Negligible | Minor |
| **Months 16 to 18, Water Connection (Open trench through A47) and EfW CHP Facility Site M&E, weekdays, evening** | | | | | | |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 57 | Yes | Low | Moderate |
| R4 | C | 65 | 57 | No | Negligible | Minor |
| R5 | C | 65 | 54 | No | Negligible | Minor |
| R6 | C | 65 | 44 | No | Negligible | Minor |
| R7 | B | 60 | 48 | No | Negligible | Minor |
| **Months 16 to 18, Water Connection (Open trench through A47) and EfW CHP Facility Site M&E, weekdays, night** | | | | | | |
| R2 | C | 55 | 56 | Yes | Low | Moderate |
| R3 | C | 55 | 57 | Yes | Low | Moderate |
| R4 | C | 55 | 57 | Yes | Low | Moderate |
| R5 | C | 55 | 54 | No | Negligible | Minor |
| R6 | C | 55 | 44 | No | Negligible | Minor |
| R7 | C | 55 | 48 | No | Negligible | Minor |
| **Months 16 to 18, Water Connection (Open trench through A47) and EfW CHP Facility Site M&E, weekends, Saturday 0800 - 1300 hrs** | | | | | | |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 57 | Yes | Low | Moderate |
| R4 | A | 55 | 57 | Yes | Low | Moderate |
| R5 | A | 55 | 54 | No | Negligible | Minor |
| R6 | A | 55 | 44 | No | Negligible | Minor |
| R7 | A | 55 | 48 | No | Negligible | Minor |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| **Months 16 to 18, Water Connection (Open trench through A47) and EfW CHP Facility Site M&E, weekends, Saturday 1300 - 1600 hrs** | | | | | | |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 57 | Yes | Low | Moderate |
| R4 | C | 65 | 57 | No | Negligible | Minor |
| R5 | C | 65 | 54 | No | Negligible | Minor |
| R6 | C | 65 | 44 | No | Negligible | Minor |
| R7 | A | 55 | 48 | No | Negligible | Minor |
| **Months 16 to 18, Water Connection (Open trench through A47) and EfW CHP Facility Site M&E, weekends, Sunday 0700 - 2300 hrs** | | | | | | |
| R2 | A | 55 | 56 | Yes | Low | Moderate |
| R3 | A | 55 | 57 | Yes | Low | Moderate |
| R4 | C | 65 | 57 | No | Negligible | Minor |
| R5 | C | 65 | 54 | No | Negligible | Minor |
| R6 | C | 65 | 44 | No | Negligible | Minor |
| R7 | A | 55 | 48 | No | Negligible | Minor |
| **Months 18 to 22, TCC activity, EfW CHP Facility Site roads and hardstandings, M&E and plant installation, weekdays, day** | | | | | | |
| R1 | A | 65 | 52 | No | Negligible | Minor |
| R2 | A | 65 | 66 | Yes | Low | Moderate |
| R3 | A | 65 | 66 | Yes | Low | Moderate |
| R4 | B | 70 | 56 | No | Negligible | Minor |
| R5 | B | 70 | 50 | No | Negligible | Minor |
| R7 | A | 65 | 56 | No | Negligible | Minor |
| **Months 18 to 22, Grid Connection along A47 and Broadend Road, weekdays, evening** | | | | | | |
| R44 | A | 55 | 72 | Yes | High | Major |
| R45 | A | 55 | 65 | Yes | High | Major |
| R46 | B | 60 | 68 | Yes | Medium | Moderate or Major |
| R47 | B | 60 | 65 | Yes | Medium | Moderate or Major |
| R48 | A | 55 | 61 | Yes | Medium | Moderate or Major |
| R49 | A | 55 | 65 | Yes | High | Major |
| **Months 18 to 22, Grid Connection along A47 and Broadend Road, weekdays, night** | | | | | | |
| R44 | C | 55 | 72 | Yes | High | Major |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R45 | C | 55 | 65 | Yes | High | Major |
| R46 | C | 55 | 68 | Yes | High | Major |
| R47 | C | 55 | 65 | Yes | High | Major |
| R48 | B | 50 | 61 | Yes | High | Major |
| R49 | B | 50 | 65 | Yes | High | Major |
| **Months 18 to 22, Grid Connection along A47 and Broadend Road, weekends, Saturday 0800 - 1300 hrs** | | | | | | |
| R44 | A | 55 | 72 | Yes | High | Major |
| R45 | A | 55 | 65 | Yes | High | Major |
| R46 | A | 55 | 68 | Yes | High | Major |
| R47 | A | 55 | 65 | Yes | High | Major |
| R48 | A | 55 | 61 | Yes | Medium | Moderate or Major |
| R49 | A | 55 | 65 | Yes | High | Major |
| **Months 18 to 22, Grid Connection along A47 and Broadend Road, weekends, Saturday 1300 - 1600 hrs** | | | | | | |
| R44 | A | 55 | 72 | Yes | High | Major |
| R45 | A | 55 | 65 | Yes | High | Major |
| R46 | A | 55 | 68 | Yes | High | Major |
| R47 | A | 55 | 65 | Yes | High | Major |
| R48 | A | 55 | 61 | Yes | Medium | Moderate or Major |
| R49 | A | 55 | 65 | Yes | High | Major |
| **Months 18 to 22, Grid Connection along A47 and Broadend Road, weekends, Sunday 0700 - 2300 hrs** | | | | | | |
| R44 | A | 55 | 72 | Yes | High | Major |
| R45 | A | 55 | 65 | Yes | High | Major |
| R46 | A | 55 | 68 | Yes | High | Major |
| R47 | A | 55 | 65 | Yes | High | Major |
| R48 | A | 55 | 61 | Yes | Medium | Moderate or Major |
| R49 | A | 55 | 65 | Yes | High | Major |
| **Month 21, Grid Connection at Walsoken Substation, weekdays, day** | | | | | | |
| R44 | A | 65 | 58 | No | Negligible | Minor |
| R45 | A | 65 | 51 | No | Negligible | Minor |
| **Months 22 to 25, and Month 30, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, weekdays, day** | | | | | | |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R1 | A | 65 | 50 | No | Negligible | Minor |
| R2 | A | 65 | 64 | No | Negligible | Minor |
| R3 | A | 65 | 64 | No | Negligible | Minor |
| R4 | B | 70 | 54 | No | Negligible | Minor |
| R5 | B | 70 | 49 | No | Negligible | Minor |
| R7 | A | 65 | 54 | No | Negligible | Minor |
| **Month 25, CHP Connection mobilisation site clearance (nr Victory Rd), weekdays, day** | | | | | | |
| R31 | A | 65 | 76 | Yes | High | Major |
| R32 | A | 65 | 75 | Yes | High | Major |
| R33 | A | 65 | 75 | Yes | High | Major |
| R34 | A | 65 | 72 | Yes | Medium | Moderate or Major |
| R35 | A | 65 | 71 | Yes | Medium | Moderate or Major |
| R36 | A | 65 | 72 | Yes | Medium | Moderate or Major |
| R37 | A | 65 | 71 | Yes | Medium | Moderate or Major |
| R38 | A | 65 | 78 | Yes | High | Major |
| R39 | A | 65 | 77 | Yes | High | Major |
| **Months 26 to 30, CHP Connection foundations (nr Victory Rd), weekdays, day** | | | | | | |
| R31 | A | 65 | 77 | Yes | High | Major |
| R32 | A | 65 | 75 | Yes | High | Major |
| R33 | A | 65 | 75 | Yes | High | Major |
| R34 | A | 65 | 72 | Yes | Medium | Moderate or Major |
| R35 | A | 65 | 71 | Yes | Medium | Moderate or Major |
| R36 | A | 65 | 72 | Yes | Medium | Moderate or Major |
| R37 | A | 65 | 71 | Yes | Medium | Moderate or Major |
| R38 | A | 65 | 78 | Yes | High | Major |
| R39 | A | 65 | 77 | Yes | High | Major |
| **Month 31, CHP Connection install (nr Victory Rd), weekdays, day** | | | | | | |
| R31 | A | 65 | 72 | Yes | Medium | Moderate or Major |
| R32 | A | 65 | 71 | Yes | Medium | Moderate or Major |
| R33 | A | 65 | 71 | Yes | Medium | Moderate or Major |
| R34 | A | 65 | 68 | Yes | Low | Moderate |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R35 | A | 65 | 67 | Yes | Low | Moderate |
| R36 | A | 65 | 68 | Yes | Low | Moderate |
| R37 | A | 65 | 67 | Yes | Low | Moderate |
| R38 | A | 65 | 74 | Yes | Medium | Moderate or Major |
| R39 | A | 65 | 73 | Yes | Medium | Moderate or Major |
| **Month 25, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, CHP Connection mobilisation site clearance, weekdays, day** | | | | | | |
| R1 | A | 65 | 51 | No | Negligible | Minor |
| R2 | A | 65 | 64 | No | Negligible | Minor |
| R3 | A | 65 | 66 | Yes | Low | Moderate |
| R4 | B | 70 | 56 | No | Negligible | Minor |
| R5 | B | 70 | 51 | No | Negligible | Minor |
| R7 | A | 65 | 55 | No | Negligible | Minor |
| **Months 26 to 30, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, CHP Connection foundations, weekdays, day** | | | | | | |
| R1 | A | 65 | 50 | No | Negligible | Minor |
| R2 | A | 65 | 64 | No | Negligible | Minor |
| R3 | A | 65 | 65 | No | Negligible | Minor |
| R4 | B | 70 | 56 | No | Negligible | Minor |
| R5 | B | 70 | 50 | No | Negligible | Minor |
| R7 | A | 65 | 55 | No | Negligible | Minor |
| **Month 31, TCC activity, EfW CHP Facility Site structures, plant installation, CHP Connection install, weekdays, day** | | | | | | |
| R1 | A | 65 | 48 | No | Negligible | Minor |
| R2 | A | 65 | 61 | No | Negligible | Minor |
| R3 | A | 65 | 62 | No | Negligible | Minor |
| R4 | B | 70 | 53 | No | Negligible | Minor |
| R5 | B | 70 | 47 | No | Negligible | Minor |
| R7 | A | 65 | 52 | No | Negligible | Minor |
| **Month 30, CHP Connection install, Weasenham Lane crossing, weekdays, evening** | | | | | | |
| R50 | C | 65 | 50 | No | Negligible | Minor |
| **Month 30, CHP Connection install, Weasenham Lane crossing, weekdays, night** | | | | | | |
| R50 | C | 55 | 50 | No | Negligible | Minor |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| **Month 30, CHP Connection install, Weasenham Lane crossing, weekends, Saturday 0800 - 1300 hrs** | | | | | | |
| R50 | A | 55 | 50 | No | Negligible | Minor |
| **Month 30, CHP Connection install, Weasenham Lane crossing, weekends, Saturday 1300 - 1600 hrs** | | | | | | |
| R50 | C | 65 | 50 | No | Negligible | Minor |
| **Month 30, CHP Connection install, Weasenham Lane crossing, weekends, Sunday 0700 - 2300 hrs** | | | | | | |
| R50 | C | 65 | 50 | No | Negligible | Minor |
| **Months 31 to 34, TCC activity, EfW CHP Facility Site structures, plant installation, weekdays, day** | | | | | | |
| R1 | A | 65 | 47 | No | Negligible | Minor |
| R2 | A | 65 | 61 | No | Negligible | Minor |
| R3 | A | 65 | 62 | No | Negligible | Minor |
| R4 | B | 70 | 51 | No | Negligible | Minor |
| R5 | B | 70 | 46 | No | Negligible | Minor |
| R7 | A | 65 | 51 | No | Negligible | Minor |
| **Months 34 to 36, TCC activity, EfW CHP Facility Site structures, commissioning and testing, weekdays, day** | | | | | | |
| R1 | A | 65 | 47 | No | Negligible | Minor |
| R2 | A | 65 | 64 | No | Negligible | Minor |
| R3 | A | 65 | 62 | No | Negligible | Minor |
| R4 | B | 70 | 51 | No | Negligible | Minor |
| R5 | B | 70 | 46 | No | Negligible | Minor |
| R7 | A | 65 | 51 | No | Negligible | Minor |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekdays, evening** | | | | | | |
| R1 | A | 55 | 38 | No | Negligible | Minor |
| R2 | A | 55 | 51 | No | Negligible | Minor |
| R3 | A | 55 | 49 | No | Negligible | Minor |
| R4 | C | 65 | 41 | No | Negligible | Minor |
| R5 | C | 65 | 38 | No | Negligible | Minor |
| R7 | B | 60 | 42 | No | Negligible | Minor |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekdays, night** | | | | | | |
| R1 | C | 55 | 37 | No | Negligible | Minor |
| R2 | C | 55 | 47 | No | Negligible | Minor |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R3 | C | 55 | 46 | No | Negligible | Minor |
| R4 | C | 55 | 41 | No | Negligible | Minor |
| R5 | C | 55 | 38 | No | Negligible | Minor |
| R7 | C | 55 | 42 | No | Negligible | Minor |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Saturday 0800 - 1300 hrs** | | | | | | |
| R1 | A | 55 | 40 | No | Negligible | Minor |
| R2 | A | 55 | 57 | Yes | Low | Moderate |
| R3 | A | 55 | 53 | No | Negligible | Minor |
| R4 | A | 55 | 42 | No | Negligible | Minor |
| R5 | A | 55 | 38 | No | Negligible | Minor |
| R7 | A | 55 | 44 | No | Negligible | Minor |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Saturday 1300 - 1600 hrs** | | | | | | |
| R1 | B | 60 | 40 | No | Negligible | Minor |
| R2 | A | 55 | 57 | Yes | Low | Moderate |
| R3 | A | 55 | 53 | No | Negligible | Minor |
| R4 | C | 65 | 42 | No | Negligible | Minor |
| R5 | C | 65 | 38 | No | Negligible | Minor |
| R7 | A | 55 | 44 | No | Negligible | Minor |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Sunday 0700 - 2300 hrs** | | | | | | |
| R1 | B | 60 | 40 | No | Negligible | Minor |
| R2 | A | 55 | 57 | Yes | Low | Moderate |
| R3 | A | 55 | 53 | No | Negligible | Minor |
| R4 | C | 65 | 42 | No | Negligible | Minor |
| R5 | C | 65 | 38 | No | Negligible | Minor |
| R7 | A | 55 | 44 | No | Negligible | Minor |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, day** | | | | | | |
| R1 | A | 65 | 43 | No | Negligible | Minor |
| R2 | A | 65 | 63 | No | Negligible | Minor |
| R3 | A | 65 | 59 | No | Negligible | Minor |
| R4 | B | 70 | 46 | No | Negligible | Minor |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| R5 | B | 70 | 40 | No | Negligible | Minor |
| R7 | A | 65 | 44 | No | Negligible | Minor |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, evening** | | | | | | |
| R1 | A | 55 | 38 | No | Negligible | Minor |
| R2 | A | 55 | 51 | No | Negligible | Minor |
| R3 | A | 55 | 49 | No | Negligible | Minor |
| R4 | C | 65 | 41 | No | Negligible | Minor |
| R5 | C | 65 | 38 | No | Negligible | Minor |
| R7 | B | 60 | 42 | No | Negligible | Minor |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, night** | | | | | | |
| R1 | C | 55 | 37 | No | Negligible | Minor |
| R2 | C | 55 | 47 | No | Negligible | Minor |
| R3 | C | 55 | 46 | No | Negligible | Minor |
| R4 | C | 55 | 41 | No | Negligible | Minor |
| R5 | C | 55 | 38 | No | Negligible | Minor |
| R7 | C | 55 | 42 | No | Negligible | Minor |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Saturday 0800 - 1300 hrs** | | | | | | |
| R1 | A | 55 | 40 | No | Negligible | Minor |
| R2 | A | 55 | 57 | Yes | Low | Moderate |
| R3 | A | 55 | 53 | No | Negligible | Minor |
| R4 | A | 55 | 42 | No | Negligible | Minor |
| R5 | A | 55 | 38 | No | Negligible | Minor |
| R7 | A | 55 | 44 | No | Negligible | Minor |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Saturday 1300 - 1600 hrs** | | | | | | |
| R1 | B | 60 | 40 | No | Negligible | Minor |
| R2 | A | 55 | 57 | Yes | Low | Moderate |
| R3 | A | 55 | 53 | No | Negligible | Minor |
| R4 | C | 65 | 42 | No | Negligible | Minor |
| R5 | C | 65 | 38 | No | Negligible | Minor |
| R7 | A | 55 | 44 | No | Negligible | Minor |

| R. ID | BS 5228-1 Threshold Category | Threshold of significance, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Threshold Exceeded? | Magnitude of impact | Indicative Significance of effects (Not accounting for duration of works, etc.) |
|---|---|---|---|---|---|---|
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Sunday 0700 - 2300 hrs** | | | | | | |
| R1 | B | 60 | 40 | No | Negligible | Minor |
| R2 | A | 55 | 57 | Yes | Low | Moderate |
| R3 | A | 55 | 53 | No | Negligible | Minor |
| R4 | C | 65 | 42 | No | Negligible | Minor |
| R5 | C | 65 | 38 | No | Negligible | Minor |
| R7 | A | 55 | 44 | No | Negligible | Minor |

3.1.3 A summary of the numerical assessment of potential construction noise impacts at residential Receptors throughout the construction programme is presented in **Table 3.2 Construction noise assessment, summary of results: residential Receptors**, and is followed by determination of significance.

## Table 3.2 Construction noise assessment, summary of results: residential Receptors

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where indicative significance is moderate or higher |
|---|---|---|---|
| **Month 1, mobilisation - TCC, weekdays, day** | Negligible to Negligible | Minor to Minor | - |
| **Month 1 - month 5, TCC generators, weekdays, evening** | Negligible to Negligible | Minor to Minor | - |
| **Month 1 - month 5, TCC generators, weekdays, night** | Negligible to Negligible | Minor to Minor | - |
| **Month 1, TCC generators, weekends, Saturday 0800 - 1300 hrs** | Negligible to Negligible | Minor to Minor | - |
| **Month 1 - month 5, TCC generators, weekends, Saturday 1300 - 1600 hrs** | Negligible to Negligible | Minor to Minor | - |
| **Month 1 - month 5, TCC generators, weekends, Sunday 0700 - 2300 hrs** | Negligible to Negligible | Minor to Minor | - |
| **Months 2 to 4, TCC activity, mobilisation: EfW CHP Facility Site and Access Improvements, weekdays, day** | Negligible to High | Minor to Major | R2, R3 |
| **Months 4 to 6, TCC activity, EfW CHP Facility Site earthworks and Access Improvements, weekdays, day** | Negligible to High | Minor to Major | R2, R3 |
| **Months 6 to 8, TCC activity (Telescopic handler only at TCC from this point), Access Improvements and EfW CHP Facility Site earthworks, weekdays, day** | Negligible to High | Minor to Major | R2, R3 |
| **Month 8, TCC activity, EfW CHP Facility Site earthworks, weekdays, day** | Negligible to Negligible | Minor to Minor | - |

| Construction period/activities | Magnitude of impact (range) | | Significance of effects (range) | Receptors where indicative significance is moderate or higher |
|---|---|---|---|---|
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, day** | Negligible Negligible | to | Minor to Minor | - |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, evening** | Negligible Negligible | to | Minor to Minor | - |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, night** | Negligible Negligible | to | Minor to Minor | - |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Saturday 0800 - 1300 hrs** | Negligible Negligible | to | Minor to Minor | - |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Saturday 1300 - 1600 hrs** | Negligible Negligible | to | Minor to Minor | - |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Sunday 0700 - 2300 hrs** | Negligible Negligible | to | Minor to Minor | - |
| **Months 10 to 12, TCC activity, EfW CHP Facility Site foundations, plant installation, weekdays, day** | Negligible Negligible | to | Minor to Minor | - |
| **Months 12 to 16, TCC activity, EfW CHP Facility Site foundations, M&E, plant installation, weekdays, day** | Negligible Negligible | to | Minor to Minor | - |
| **Months 12 to 31, EfW CHP Facility Site M&E, weekdays, evening** | Negligible Low | to | Minor to Moderate | R2, R3 |
| **Months 12 to 31, EfW CHP Facility Site M&E, weekdays, night** | Negligible Low | to | Minor to Moderate | R2, R3 |

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where indicative significance is moderate or higher |
|---|---|---|---|
| **Months 12 to 31, EfW CHP Facility Site M&E, weekends, Saturday 0800 - 1300 hrs** | Negligible to Low | Minor to Moderate | R2, R3 |
| **Months 12 to 31, EfW CHP Facility Site M&E, weekends, Saturday 1300 - 1600 hrs** | Negligible to Low | Minor to Moderate | R2, R3 |
| **Months 12 to 31, EfW CHP Facility Site M&E, weekends, Sunday 0700 - 2300 hrs** | Negligible to Low | Minor to Moderate | R2, R3 |
| **Months 16 to 18, TCC activity, EfW CHP Facility Site foundations, M&E & plant installation, weekdays, day** | Negligible to Negligible | Minor to Minor | - |
| **Months 16 to 18, Grid Connection & Water Connection along New Bridge Lane, EfW CHP Facility M&E, weekdays, evening** | Negligible to High | Minor to Major | R2, R3, R4 |
| **Months 16 to 18, Grid Connection & Water Connection along New Bridge Lane, EfW CHP Facility M&E, weekdays, night** | Negligible to High | Minor to Major | R2, R3, R4 |
| **Months 16 to 18, Grid Connection & Water Connection along New Bridge Lane, EfW CHP Facility M&E, weekends, Saturday 0800 - 1300 hrs** | Negligible to High | Minor to Major | R2, R3, R4 |
| **Months 16 to 18, Grid Connection & Water Connection along New Bridge Lane, EfW CHP Facility M&E, weekends, Saturday 1300 - 1600 hrs** | Negligible to High | Minor to Major | R2, R3, R4 |
| **Months 16 to 18, Grid Connection & Water Connection along New Bridge Lane, EfW CHP Facility M&E, weekends, Sunday 0700 - 2300 hrs** | Negligible to High | Minor to Major | R2, R3, R4 |
| **Months 16 to 18, Water Connection (HDD under A47) and EfW CHP Facility Site M&E, weekdays, evening** | Negligible to Low | Minor to Moderate | R2, R3 |

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where indicative significance is moderate or higher |
|---|---|---|---|
| **Months 16 to 18, Water Connection (HDD under A47) and EfW CHP Facility Site M&E, weekdays, night** | Negligible to Medium | Minor to Moderate or Major | R2 - R5 inclusive |
| **Months 16 to 18, Water Connection (HDD under A47) and EfW CHP Facility Site M&E, weekends, Saturday 0800 - 1300 hrs** | Negligible to Medium | Minor to Moderate or Major | R2 - R5 inclusive |
| **Months 16 to 18, Water Connection (HDD under A47) and EfW CHP Facility Site M&E, weekends, Saturday 1300 - 1600 hrs** | Negligible to Low | Minor to Moderate | R2, R3 |
| **Months 16 to 18, Water Connection (HDD under A47) and EfW CHP Facility Site M&E, weekends, Sunday 0700 - 2300 hrs** | Negligible to Low | Minor to Moderate | R2, R3 |
| **Months 16 to 18, Water Connection (Open trench through A47) and EfW CHP Facility Site M&E, weekdays, evening** | Negligible to Low | Minor to Moderate | R2, R3 |
| **Months 16 to 18, Water Connection (Open trench through A47) and EfW CHP Facility Site M&E, weekdays, night** | Negligible to Low | Minor to Moderate | R2, R3, R4 |
| **Months 16 to 18, Water Connection (Open trench through A47) and EfW CHP Facility Site M&E, weekends, Saturday 0800 - 1300 hrs** | Negligible to Low | Minor to Moderate | R2, R3, R4 |
| **Months 16 to 18, Water Connection (Open trench through A47) and EfW CHP Facility Site M&E, weekends, Saturday 1300 - 1600 hrs** | Negligible to Low | Minor to Moderate | R2, R3 |
| **Months 16 to 18, Water Connection (Open trench through A47) and EfW CHP Facility Site M&E, weekends, Sunday 0700 - 2300 hrs** | Negligible to Low | Minor to Moderate | R2, R3 |
| **Months 18 to 22, TCC activity, EfW CHP Facility Site roads and hardstandings, M&E and plant installation, weekdays, day** | Negligible to Low | Minor to Moderate | R2, R3 |

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where indicative significance is moderate or higher |
|---|---|---|---|
| **Months 18 to 22, Grid Connection along A47 and Broadend Road, weekdays, evening** | Medium to High | Moderate or Major to Major | R44 - R49 inclusive |
| **Months 18 to 22, Grid Connection along A47 and Broadend Road, weekdays, night** | High to High | Major to Major | R44 - R49 inclusive |
| **Months 18 to 22, Grid Connection along A47 and Broadend Road, weekends, Saturday 0800 - 1300 hrs** | Medium to High | Moderate or Major to Major | R44 - R49 inclusive |
| **Months 18 to 22, Grid Connection along A47 and Broadend Road, weekends, Saturday 1300 - 1600 hrs** | Medium to High | Moderate or Major to Major | R44 - R49 inclusive |
| **Months 18 to 22, Grid Connection along A47 and Broadend Road, weekends, Sunday 0700 - 2300 hrs** | Medium to High | Moderate or Major to Major | R44 - R49 inclusive |
| **Month 21, Grid Connection at Walsoken Substation, weekdays, day** | Negligible to Negligible | Minor to Minor | - |
| **Months 22 to 25, and Month 30, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, weekdays, day** | Negligible to Negligible | Minor to Minor | - |
| **Month 25, CHP Connection mobilisation site clearance (nr Victory Rd), weekdays, day** | Medium to High | Moderate or Major to Major | R31 - R39 inclusive |
| **Months 26 to 30, CHP Connection foundations (nr Victory Rd), weekdays, day** | Medium to High | Moderate or Major to Major | R31 - R39 inclusive |
| **Month 31, CHP Connection install (nr Victory Rd), weekdays, day** | Low to Medium | Moderate to Moderate or Major | R31 - R39 inclusive |

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where indicative significance is moderate or higher |
|---|---|---|---|
| **Month 25, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, CHP Connection mobilisation site clearance, weekdays, day** | Negligible to Low | Minor to Moderate | R3 |
| **Months 26 to 30, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, CHP Connection foundations, weekdays, day** | Negligible to Negligible | Minor to Minor | - |
| **Month 31, TCC activity, EfW CHP Facility Site structures, plant installation, CHP Connection install, weekdays, day** | Negligible to Negligible | Minor to Minor | - |
| **Month 30, CHP Connection install, Weasenham Lane crossing, weekdays, evening** | Negligible to Negligible | Minor to Minor | - |
| **Month 30, CHP Connection install, Weasenham Lane crossing, weekdays, night** | Negligible to Negligible | Minor to Minor | - |
| **Month 30, CHP Connection install, Weasenham Lane crossing, weekends, Saturday 0800 - 1300 hrs** | Negligible to Negligible | Minor to Minor | - |
| **Month 30, CHP Connection install, Weasenham Lane crossing, weekends, Saturday 1300 - 1600 hrs** | Negligible to Negligible | Minor to Minor | - |
| **Month 30, CHP Connection install, Weasenham Lane crossing, weekends, Sunday 0700 - 2300 hrs** | Negligible to Negligible | Minor to Minor | - |
| **Months 31 to 34, TCC activity, EfW CHP Facility Site structures, plant installation, weekdays, day** | Negligible to Negligible | Minor to Minor | - |
| **Months 34 to 36, TCC activity, EfW CHP Facility Site structures, commissioning and testing, weekdays, day** | Negligible to Negligible | Minor to Minor | - |

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where indicative significance is moderate or higher |
|---|---|---|---|
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekdays, evening** | Negligible to Negligible | Minor to Minor | - |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekdays, night** | Negligible to Negligible | Minor to Minor | - |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Saturday 0800 - 1300 hrs** | Negligible to Low | Minor to Moderate | - |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Saturday 1300 - 1600 hrs** | Negligible to Low | Minor to Moderate | R2 |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Sunday 0700 - 2300 hrs** | Negligible to Low | Minor to Moderate | R2 |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, day** | Negligible to Negligible | Minor to Minor | R2 |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, evening** | Negligible to Negligible | Minor to Minor | - |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, night** | Negligible to Negligible | Minor to Minor | - |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Saturday 0800 - 1300 hrs** | Negligible to Low | Minor to Moderate | - |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Saturday 1300 - 1600 hrs** | Negligible to Low | Minor to Moderate | R2 |

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where indicative significance is moderate or higher |
|---|---|---|---|
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Sunday 0700 - 2300 hrs** | Negligible to Low | Minor to Moderate | R2 |

## 3.2 Determination of Significance

3.2.1 As detailed in **Table 2.2 Establishing the sensitivity of Receptors**, all dwellings are considered to be of medium sensitivity to noise impacts.

3.2.2 With reference to the summary provided in **Table 3.2 Construction noise assessment, summary of results: residential Receptors**, potentially significant effects have been identified at:

- Receptors 2 – 5 due to certain periods of the works occurring at, and in the vicinity of, the EfW CHP Facility Site;
- at Receptors 44 – 49 due to works on the Grid Connection; and
- Receptors 31 – 39 due to works at the northern end of the CHP Connection.

3.2.3 For all other works and assessment locations, predicted impacts are of no greater than negligible magnitude. With reference to **Table 2.6 Significance evaluation matrix** impacts of negligible magnitude to Receptors of medium sensitivity result in impacts of minor significance, and are not significant.

3.2.4 As consideration of the duration of impacts is essential to the final determination of significance, all potentially significant effects are examined below, based on the period of the construction programme when the potentially significant effects are predicted to occur.

3.2.5 Wherever significant effects are confirmed below, additional mitigation measures to reduce the significance of the effects are discussed in **Section 5**.

### Month 2 to Month 8

3.2.6 Potentially significant effects have been identified at Receptors 2 and 3 during daytime construction activities for mobilisation at the EfW CHP Facility Site, the EfW CHP Facility Site earthworks and Access Improvements.

3.2.7 Based on the excess of the predicted construction noise levels above the threshold values, and the potential duration of impacts, it is considered that the potentially significant effects identified are confirmed as Significant.

### Months 12 to 31

3.2.8 Potentially significant effects have been identified at Receptors 2 and 3 during out-of-core-hours construction activities for the M&E at the EfW CHP Facility Site.

3.2.9 The predicted excess of construction noise levels above the threshold values is 1 dB, and it is considered that predicted noise levels could be overestimated for the majority of the time, as most of the works would be subject to local screening by structures. Therefore, the potentially significant effects identified are Not Significant. However, construction noise levels should still be reduced and controlled as far as reasonably practicable to minimise any residual impacts.

## Months 16 to 18

### *Grid Connection and Water Connections along New Bridge Lane and EfW CHP Facility Site M&E*

3.2.10 Potentially significant effects have been identified at Receptors 2 to 4 during out-of-core-hours construction works primarily due to works on the Grid Connection and Water Connection along New Bridge Lane, which are predicted to be dominant over the contribution from works on the EfW CHP Facility Site M&E.

3.2.11 The predicted excess of construction noise levels above the threshold values are between 5 and 15 dB. Based on the predicted excesses, and the duration of impacts, it is considered that the potentially significant effects identified are confirmed as Significant.

### *Construction activities for Water Connection - A47 Crossing (HDD option) and EfW CHP Facility Site M&E*

3.2.12 Potentially significant effects have been identified at Receptors 2 to 5 during out-of-core-hours construction activities for the Water Connection crossing of the A47 – HDD option. Works on the EfW CHP Facility Site M&E are predicted to be dominant at Receptors 2 and 3 and works on the Water Connection are predicted to be dominant at Receptors 4 and 5.

3.2.13 The predicted excess of construction noise levels above the threshold values are between 1 and 7 dB. Based on the predicted exceedances and the anticipated duration of the works, which is approximately three weeks, it is considered that the potentially significant effects identified are confirmed as Significant.

### *Construction activities for Water Connection - A47 Crossing (Open trench option) and EfW CHP Facility Site M&E*

3.2.14 Potentially significant effects have been identified at Receptors 2 to 4 during out-of-core-hours construction activities for the Water Connection crossing of the A47 – open trench option. Works on the EfW CHP Facility Site M&E are predicted to be dominant at Receptors 2 and 3 and works on the Water Connection are predicted to be dominant at Receptor 4.

3.2.15 The works would be undertaken over approximately two nights, and predicted construction noise levels are between 1 to 2 dB above the threshold value. As the works would only be limited to approximately two nights, it is considered that the potentially significant effects identified are Not Significant. However, construction noise levels should still be reduced and controlled as far as reasonably practicable to minimise any residual impacts.

## Months 18 to 22

### *Construction activities at, and the vicinity of, the EfW CHP Facility Site*

3.2.16 Potentially significant effects have been identified at Receptors 2 and 3 during daytime construction activities for the EfW CHP Facility Site roads and hardstandings, M&E and Plant installation.

3.2.17 Based on the duration of the impacts, and excess of the predicted construction noise levels above the threshold values, which are 1 dB in both cases, it is considered that the potentially significant effects identified are confirmed as Significant.

### *Construction activities for Grid Connection cable install along A47 and Broadend Road*

3.2.18 Potentially significant effects have been identified at Receptors 44 to 49 during out-of-core-hours construction activities for the Grid Connection.

3.2.19 Predicted exceedances of the threshold levels tend to be around 10 dB, however exceedances at Receptors 44 and 49 are more significant. Exceedances of the threshold at Receptor 44 and 49 are up to 15 to 17 dB.

3.2.20 Works on the Grid Connection will be located along the linear cable route, and the predicted sound levels are representative of a worst-case period when works would be in closest proximity to the Receptors. It is anticipated that worst-case sound levels may only be experienced for certain times on a single evening/night.

3.2.21 Work on the Grid Connection will be undertaken during the evening and night-time, to reduce the impact of road closures on the A47. The sensitivity of Receptors to evening and night-time impacts will vary depending on the time of year. During summer months, residents may leave windows open for natural ventilation during the evening and night-time, and hence would be more sensitive than during the colder months, when it is unlikely that windows would be left open during the evening and night-time. Without a contractor in place it cannot be confirmed what time of year construction of the Grid Connection would take place.

3.2.22 Based on the considerations above, and accounting for the anticipated duration of worst-case noise levels, which would be over one or two nights, it is considered that, at any time of year, potentially significant effects identified at Receptors 44 and 49 are Not Significant. However, construction noise levels should still be reduced and controlled as far as reasonably practicable to minimise any residual impacts.

## Month 25

3.2.23 Potentially significant effects have been identified at Receptor 3 during daytime construction activity at, and in the vicinity of the EfW CHP Facility Site, during construction works on the EfW CHP Facility Site structures, M&E, plant installation and CHP Connection site clearance.

3.2.24 The predicted exceedance of the threshold is 1 dB and the duration of this phase of works is limited.

3.2.25 Based on the excess of the predicted construction noise levels above the threshold values, and the duration of impacts, it is considered that the potentially significant effects identified are confirmed as Significant.

## Months 25 to 31

3.2.26 Potentially significant effects have been identified at Receptors 31 to 39 during daytime construction activities at the northern end of the CHP Connection, during site clearance, installation of foundations and installation of the pipeline.

3.2.27 Works on the CHP Connection will be located along the linear CHP Connection Corridor, and the predicted sound levels are representative of a worst-case period when works would be in closest proximity to the Receptors. It is anticipated that worst-case sound levels may only be experienced over a limited duration, likely less than one day.

3.2.28 Exceedances of the threshold levels are between 6 and 13 dB during site clearance and installation of foundations and between 2 and 9 dB during installation of the pipeline.

3.2.29 Based on the limited duration of impacts, it is considered that the potentially significant effects identified are Not Significant. However, construction noise levels should still be reduced and controlled as far as reasonably practicable to minimise any residual impacts.

## Months 34 to 43

3.2.30 Potentially significant effects have been identified at Receptor 2 during out of core hours activity at the EfW CHP Facility Site during commissioning and testing. The predicted exceedance of the threshold is 2 dB.

3.2.31 Based on the excess of the predicted construction noise levels above the threshold values, and the duration of impacts, it is considered that the potentially significant effects identified are confirmed as Significant.

# 4. Construction noise assessment: non-residential Receptors

## 4.1 Predicted construction noise levels and numerical assessment

4.1.1 The numerical assessment of potential construction noise impacts at non-residential Receptors throughout the construction programme is presented in **Table 4.1 Construction noise assessment: non-residential Receptors**. For each scenario, only those Receptors falling within the respective Study Area are shown.

4.1.2 In accordance with BS 5228-1, the final determination of significance impacts depends on consideration of *"the number of Receptors affected and the duration and character of the impact"*.

## Table 4.1 Construction noise assessment: non-residential Receptors

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| **Month 1, mobilisation - TCC, weekdays, day** | | | | | |
| R16 | 58 | 59 | Negligible | Medium | Minor |
| R18 | 55 | 55 | Negligible | Medium | Minor |
| R22 | 58 | 74 | Negligible | High | Moderate |
| R23 | 58 | 68 | Negligible | High | Moderate |
| R24 | 55 | 60 | Negligible | Medium | Minor |
| R25 | 57 | 46 | High | Low | Moderate or Major |
| R27 | 58 | 45 | Medium | Low | Moderate |
| **Month 1 - month 5, TCC generators, weekdays, evening** | | | | | |
| R16 | 54 | 42 | Negligible | Negligible | Negligible |
| R18 | 45 | 38 | Negligible | Negligible | Negligible |
| R22 | 54 | 56 | Negligible | Medium | Minor |
| R23 | 54 | 50 | Negligible | Medium | Minor |
| R24 | 45 | 42 | Negligible | Negligible | Negligible |
| **Month 1 - month 5, TCC generators, weekdays, night** | | | | | |
| R16 | 57 | 42 | Negligible | Negligible | Negligible |
| R18 | 49 | 38 | Negligible | Negligible | Negligible |
| R22 | 57 | 56 | Negligible | Medium | Minor |
| R23 | 57 | 50 | Negligible | Medium | Minor |
| R24 | 49 | 42 | Negligible | Negligible | Negligible |
| **Month 1, TCC generators, weekends, Saturday 0800 - 1300 hrs** | | | | | |
| R16 | - | 42 | Negligible | Negligible | Negligible |
| R18 | 47 | 38 | Negligible | Negligible | Negligible |
| R22 | - | 56 | Negligible | Medium | Minor |
| R23 | - | 50 | Negligible | Medium | Minor |
| R24 | 47 | 42 | Negligible | Negligible | Negligible |
| R25 | 50 | 29 | High | Negligible | Moderate |
| **Month 1 - month 5, TCC generators, weekends, Saturday 1300 - 1600 hrs** | | | | | |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| R16 | - | 42 | Negligible | Negligible | Negligible |
| R18 | 47 | 38 | Negligible | Negligible | Negligible |
| R22 | - | 56 | Negligible | Medium | Minor |
| R23 | - | 50 | Negligible | Medium | Minor |
| R24 | 47 | 42 | Negligible | Negligible | Negligible |
| R25 | 54 | 29 | High | Negligible | Moderate |
| **Month 1 - month 5, TCC generators, weekends, Sunday 0700 - 2300 hrs** | | | | | |
| R16 | - | 42 | Negligible | Negligible | Negligible |
| R18 | 44 | 38 | Negligible | Negligible | Negligible |
| R22 | - | 56 | Negligible | Medium | Minor |
| R23 | - | 50 | Negligible | Medium | Minor |
| R24 | 44 | 42 | Negligible | Negligible | Negligible |
| **months 2 to 4, TCC activity, mobilisation: EfW CHP Facility Site and Access Improvements, weekdays, day** | | | | | |
| R16 | 58 | 70 | Negligible | High | Moderate |
| R17 | 57 | 64 | Negligible | Medium | Minor |
| R18 | 55 | 66 | Negligible | High | Moderate |
| R19 | 55 | 48 | Negligible | Low | Negligible |
| R20 | 57 | 50 | Negligible | Medium | Minor |
| R21 | 57 | 50 | Negligible | Medium | Minor |
| R22 | 58 | 73 | Negligible | High | Moderate |
| R23 | 58 | 67 | Negligible | High | Moderate |
| R24 | 55 | 68 | Negligible | High | Moderate |
| R25 | 57 | 52 | High | Medium | Major |
| R27 | 58 | 54 | Medium | Medium | Moderate or Major |
| **months 4 to 6, TCC activity, EfW CHP Facility Site earthworks and Access Improvements, weekdays, day** | | | | | |
| R16 | 58 | 68 | Negligible | High | Moderate |
| R17 | 57 | 62 | Negligible | Medium | Minor |
| R18 | 55 | 65 | Negligible | High | Moderate |
| R19 | 55 | 48 | Negligible | Low | Negligible |
| R20 | 57 | 49 | Negligible | Low | Negligible |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| R21 | 57 | 49 | Negligible | Low | Negligible |
| R22 | 58 | 70 | Negligible | High | Moderate |
| R23 | 58 | 63 | Negligible | Medium | Minor |
| R24 | 55 | 67 | Negligible | High | Moderate |
| R25 | 57 | 51 | High | Medium | Major |
| R27 | 58 | 53 | Medium | Medium | Moderate or Major |
| **Months 6 to 8, TCC activity (telescopic handler only at TCC hereafter), Access Improvements and EfW CHP Facility Site earthworks, weekdays, day** | | | | | |
| R16 | 58 | 72 | Negligible | High | Moderate |
| R17 | 57 | 61 | Negligible | Medium | Minor |
| R18 | 55 | 57 | Negligible | Medium | Minor |
| R19 | 55 | 45 | Negligible | Low | Negligible |
| R20 | 57 | 47 | Negligible | Low | Negligible |
| R21 | 57 | 47 | Negligible | Low | Negligible |
| R22 | 58 | 72 | Negligible | High | Moderate |
| R23 | 58 | 60 | Negligible | Medium | Minor |
| R24 | 55 | 67 | Negligible | High | Moderate |
| R25 | 57 | 49 | High | Low | Moderate or Major |
| R27 | 58 | 55 | Medium | Medium | Moderate or Major |
| **Month 8, TCC activity, EfW CHP Facility Site earthworks, weekdays, day** | | | | | |
| R16 | 58 | 68 | Negligible | High | Moderate |
| R17 | 57 | 60 | Negligible | Medium | Minor |
| R18 | 55 | 57 | Negligible | Medium | Minor |
| R19 | 55 | 42 | Negligible | Negligible | Negligible |
| R22 | 58 | 67 | Negligible | High | Moderate |
| R23 | 58 | 59 | Negligible | Medium | Minor |
| R24 | 55 | 66 | Negligible | High | Moderate |
| R25 | 57 | 48 | High | Low | Moderate or Major |
| R27 | 58 | 52 | Medium | Medium | Moderate or Major |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, day** | | | | | |
| R16 | 58 | 60 | Negligible | Medium | Minor |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| R17 | 57 | 52 | Negligible | Medium | Minor |
| R18 | 55 | 46 | Negligible | Low | Negligible |
| R19 | 55 | 33 | Negligible | Negligible | Negligible |
| R22 | 58 | 62 | Negligible | Medium | Minor |
| R23 | 58 | 54 | Negligible | Medium | Minor |
| R24 | 55 | 59 | Negligible | Medium | Minor |
| R25 | 57 | 40 | High | Negligible | Moderate |
| R27 | 58 | 44 | Medium | Negligible | Minor |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, evening** | | | | | |
| R16 | 54 | 60 | Negligible | Medium | Minor |
| R17 | 51 | 52 | Negligible | Medium | Minor |
| R18 | 45 | 46 | Negligible | Low | Negligible |
| R19 | 45 | 33 | Negligible | Negligible | Negligible |
| R22 | 54 | 62 | Negligible | Medium | Minor |
| R23 | 54 | 54 | Negligible | Medium | Minor |
| R24 | 45 | 59 | Negligible | Medium | Minor |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, night** | | | | | |
| R16 | 57 | 60 | Negligible | Medium | Minor |
| R17 | 49 | 52 | Negligible | Medium | Minor |
| R18 | 49 | 46 | Negligible | Low | Negligible |
| R19 | 49 | 33 | Negligible | Negligible | Negligible |
| R22 | 57 | 62 | Negligible | Medium | Minor |
| R23 | 57 | 54 | Negligible | Medium | Minor |
| R24 | 49 | 59 | Negligible | Medium | Minor |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Saturday 0800 - 1300 hrs** | | | | | |
| R16 | - | 60 | Negligible | Medium | Minor |
| R17 | 50 | 52 | Negligible | Medium | Minor |
| R18 | 47 | 46 | Negligible | Low | Negligible |
| R19 | 47 | 33 | Negligible | Negligible | Negligible |
| R22 | - | 62 | Negligible | Medium | Minor |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| R23 | - | 54 | Negligible | Medium | Minor |
| R24 | 47 | 59 | Negligible | Medium | Minor |
| R25 | 50 | 40 | Negligible | Negligible | Negligible |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Saturday 1300 - 1600 hrs** | | | | | |
| R16 | - | 60 | Negligible | Medium | Minor |
| R17 | 54 | 52 | Negligible | Medium | Minor |
| R18 | 47 | 46 | Negligible | Low | Negligible |
| R19 | 47 | 33 | Negligible | Negligible | Negligible |
| R22 | - | 62 | Negligible | Medium | Minor |
| R23 | - | 54 | Negligible | Medium | Minor |
| R24 | 47 | 59 | Negligible | Medium | Minor |
| R25 | 54 | 40 | Negligible | Negligible | Negligible |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Sunday 0700 - 2300 hrs** | | | | | |
| R16 | - | 60 | Negligible | Medium | Minor |
| R17 | 53 | 52 | Negligible | Medium | Minor |
| R18 | 44 | 46 | Negligible | Low | Negligible |
| R19 | 44 | 33 | Negligible | Negligible | Negligible |
| R22 | - | 62 | Negligible | Medium | Minor |
| R23 | - | 54 | Negligible | Medium | Minor |
| R24 | 44 | 59 | Negligible | Medium | Minor |
| **Months 10 to 12, TCC activity, EfW CHP Facility Site foundations, plant installation, weekdays, day** | | | | | |
| R16 | 58 | 66 | Negligible | High | Moderate |
| R17 | 57 | 57 | Negligible | Medium | Minor |
| R18 | 55 | 51 | Negligible | Medium | Minor |
| R19 | 55 | 38 | Negligible | Negligible | Negligible |
| R22 | 58 | 66 | Negligible | High | Moderate |
| R23 | 58 | 57 | Negligible | Medium | Minor |
| R24 | 55 | 65 | Negligible | High | Moderate |
| R25 | 57 | 45 | High | Low | Moderate or Major |
| R27 | 58 | 50 | Medium | Medium | Moderate or Major |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| **Months 12 to 16, TCC activity, EfW CHP Facility Site foundations, M&E, plant installation, weekdays, day** | | | | | |
| R16 | 58 | 71 | Negligible | High | Moderate |
| R17 | 57 | 62 | Negligible | Medium | Minor |
| R18 | 55 | 55 | Negligible | Medium | Minor |
| R19 | 55 | 43 | Negligible | Negligible | Negligible |
| R22 | 58 | 71 | Negligible | High | Moderate |
| R23 | 58 | 61 | Negligible | Medium | Minor |
| R24 | 55 | 70 | Negligible | High | Moderate |
| R25 | 57 | 49 | High | Low | Moderate or Major |
| R27 | 58 | 54 | Medium | Medium | Moderate or Major |
| **Months 12 to 31, M&E, weekdays, evening** | | | | | |
| R16 | 54 | 64 | Negligible | Medium | Minor |
| R17 | 51 | 56 | Negligible | Medium | Minor |
| R18 | 45 | 49 | Negligible | Low | Negligible |
| R19 | 45 | 36 | Negligible | Negligible | Negligible |
| R22 | 54 | 64 | Negligible | Medium | Minor |
| R23 | 54 | 55 | Negligible | Medium | Minor |
| R24 | 45 | 63 | Negligible | Medium | Minor |
| **Months 12 to 31, M&E, weekdays, night** | | | | | |
| R16 | 57 | 64 | Negligible | Medium | Minor |
| R17 | 49 | 56 | Negligible | Medium | Minor |
| R18 | 49 | 49 | Negligible | Low | Negligible |
| R19 | 49 | 36 | Negligible | Negligible | Negligible |
| R22 | 57 | 64 | Negligible | Medium | Minor |
| R23 | 57 | 55 | Negligible | Medium | Minor |
| R24 | 49 | 63 | Negligible | Medium | Minor |
| **Months 12 to 31, M&E, weekends, Saturday 0800 - 1300 hrs** | | | | | |
| R16 | - | 64 | Negligible | Medium | Minor |
| R17 | 50 | 56 | Negligible | Medium | Minor |
| R18 | 47 | 49 | Negligible | Low | Negligible |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| R19 | 47 | 36 | Negligible | Negligible | Negligible |
| R22 | - | 64 | Negligible | Medium | Minor |
| R23 | - | 55 | Negligible | Medium | Minor |
| R24 | 47 | 63 | Negligible | Medium | Minor |
| R25 | 50 | 43 | High | Negligible | Moderate |
| **Months 12 to 31, M&E, weekends, Saturday 1300 - 1600 hrs** | | | | | |
| R16 | - | 64 | Negligible | Medium | Minor |
| R17 | 54 | 56 | Negligible | Medium | Minor |
| R18 | 47 | 49 | Negligible | Low | Negligible |
| R19 | 47 | 36 | Negligible | Negligible | Negligible |
| R22 | - | 64 | Negligible | Medium | Minor |
| R23 | - | 55 | Negligible | Medium | Minor |
| R24 | 47 | 63 | Negligible | Medium | Minor |
| R25 | 54 | 43 | High | Negligible | Moderate |
| **Months 12 to 31, M&E, weekends, Sunday 0700 - 2300 hrs** | | | | | |
| R16 | - | 64 | Negligible | Medium | Minor |
| R17 | 53 | 56 | Negligible | Medium | Minor |
| R18 | 44 | 49 | Negligible | Low | Negligible |
| R19 | 44 | 36 | Negligible | Negligible | Negligible |
| R22 | - | 64 | Negligible | Medium | Minor |
| R23 | - | 55 | Negligible | Medium | Minor |
| R24 | 44 | 63 | Negligible | Medium | Minor |
| **Months 16 to 18, TCC activity, EfW CHP Facility Site foundations, M&E, plant installation, weekdays, day** | | | | | |
| R16 | 58 | 71 | Negligible | High | Moderate |
| R17 | 57 | 62 | Negligible | Medium | Minor |
| R18 | 55 | 55 | Negligible | Medium | Minor |
| R19 | 55 | 43 | Negligible | Negligible | Negligible |
| R22 | 58 | 71 | Negligible | High | Moderate |
| R23 | 58 | 61 | Negligible | Medium | Minor |
| R24 | 55 | 70 | Negligible | High | Moderate |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| R25 | 57 | 49 | High | Low | Moderate or Major |
| R27 | 58 | 54 | Medium | Medium | Moderate or Major |
| **Months 16 to 18, Water Connection & Grid Connection along New Bridge Lane, M&E, weekdays, evening** | | | | | |
| R16 | 54 | 65 | Negligible | High | Moderate |
| R17 | 51 | 57 | Negligible | Medium | Minor |
| R18 | 45 | 56 | Negligible | Medium | Minor |
| R19 | 45 | 43 | Negligible | Negligible | Negligible |
| R22 | 54 | 65 | Negligible | High | Moderate |
| R23 | 54 | 58 | Negligible | Medium | Minor |
| R24 | 45 | 64 | Negligible | Medium | Minor |
| **Months 16 to 18, Water Connection & Grid Connection along New Bridge Lane, M&E, weekdays, night** | | | | | |
| R16 | 57 | 65 | Negligible | High | Moderate |
| R17 | 49 | 57 | Negligible | Medium | Minor |
| R18 | 49 | 56 | Negligible | Medium | Minor |
| R19 | 49 | 43 | Negligible | Negligible | Negligible |
| R22 | 57 | 65 | Negligible | High | Moderate |
| R23 | 57 | 58 | Negligible | Medium | Minor |
| R24 | 49 | 64 | Negligible | Medium | Minor |
| **Months 16 to 18, Water Connection & Grid Connection along New Bridge Lane, M&E, weekends, Saturday 0800 - 1300 hrs** | | | | | |
| R16 | - | 65 | Negligible | High | Moderate |
| R17 | 50 | 57 | Negligible | Medium | Minor |
| R18 | 47 | 56 | Negligible | Medium | Minor |
| R19 | 47 | 43 | Negligible | Negligible | Negligible |
| R22 | - | 65 | Negligible | High | Moderate |
| R23 | - | 58 | Negligible | Medium | Minor |
| R24 | 47 | 64 | Negligible | Medium | Minor |
| R25 | 50 | 46 | Negligible | Low | Negligible |
| **Months 16 to 18, Water Connection & Grid Connection along New Bridge Lane, M&E, weekends, Saturday 1300 - 1600 hrs** | | | | | |
| R16 | - | 65 | Negligible | High | Moderate |
| R17 | 54 | 57 | Negligible | Medium | Minor |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| R18 | 47 | 56 | Negligible | Medium | Minor |
| R19 | 47 | 43 | Negligible | Negligible | Negligible |
| R22 | - | 65 | Negligible | High | Moderate |
| R23 | - | 58 | Negligible | Medium | Minor |
| R24 | 47 | 64 | Negligible | Medium | Minor |
| R25 | 54 | 46 | Negligible | Low | Negligible |
| **Months 16 to 18, Water Connection & Grid Connection along New Bridge Lane, M&E, weekends, Sunday 0700 - 2300 hrs** | | | | | |
| R16 | - | 65 | Negligible | High | Moderate |
| R17 | 53 | 57 | Negligible | Medium | Minor |
| R18 | 44 | 56 | Negligible | Medium | Minor |
| R19 | 44 | 43 | Negligible | Negligible | Negligible |
| R22 | - | 65 | Negligible | High | Moderate |
| R23 | - | 58 | Negligible | Medium | Minor |
| R24 | 44 | 64 | Negligible | Medium | Minor |
| **Months 18 to 22, TCC activity, EfW CHP Facility Site roads and hardstandings, M&E, plant installation, weekdays, day** | | | | | |
| R16 | 58 | 75 | Negligible | High | Moderate |
| R17 | 57 | 65 | Negligible | High | Moderate |
| R18 | 55 | 59 | Negligible | Medium | Minor |
| R19 | 55 | 46 | Negligible | Low | Negligible |
| R22 | 58 | 73 | Negligible | High | Moderate |
| R23 | 58 | 63 | Negligible | Medium | Minor |
| R24 | 55 | 72 | Negligible | High | Moderate |
| R25 | 57 | 52 | High | Medium | Major |
| R27 | 58 | 57 | Medium | Medium | Moderate or Major |
| **Months 22 to 25, and Month 30, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, weekdays, day** | | | | | |
| R16 | 58 | 72 | Negligible | High | Moderate |
| R17 | 57 | 64 | Negligible | Medium | Minor |
| R18 | 55 | 57 | Negligible | Medium | Minor |
| R19 | 55 | 44 | Negligible | Negligible | Negligible |
| R22 | 58 | 72 | Negligible | High | Moderate |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| R23 | 58 | 63 | Negligible | Medium | Minor |
| R24 | 55 | 71 | Negligible | High | Moderate |
| R25 | 57 | 51 | High | Medium | Major |
| R27 | 58 | 56 | Medium | Medium | Moderate or Major |
| **Month 25, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, CHP Connection mobilisation site clearance, weekdays, day** | | | | | |
| R16 | 58 | 73 | Negligible | High | Moderate |
| R17 | 57 | 64 | Negligible | Medium | Minor |
| R18 | 55 | 58 | Negligible | Medium | Minor |
| R19 | 55 | 45 | Negligible | Low | Negligible |
| R22 | 58 | 73 | Negligible | High | Moderate |
| R23 | 58 | 64 | Negligible | Medium | Minor |
| R24 | 55 | 75 | Negligible | High | Moderate |
| R25 | 57 | 51 | High | Medium | Major |
| R27 | 58 | 57 | Medium | Medium | Moderate or Major |
| **Months 26 to 30, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, CHP Connection foundations, weekdays, day** | | | | | |
| R16 | 58 | 73 | Negligible | High | Moderate |
| R17 | 57 | 64 | Negligible | Medium | Minor |
| R18 | 55 | 58 | Negligible | Medium | Minor |
| R19 | 55 | 44 | Negligible | Negligible | Negligible |
| R22 | 58 | 73 | Negligible | High | Moderate |
| R23 | 58 | 64 | Negligible | Medium | Minor |
| R24 | 55 | 75 | Negligible | High | Moderate |
| R25 | 57 | 51 | High | Medium | Major |
| R27 | 58 | 57 | Medium | Medium | Moderate or Major |
| **Month 31, TCC activity, EfW CHP Facility Site structures, plant installation, CHP Connection install, weekdays, day** | | | | | |
| R16 | 58 | 70 | Negligible | High | Moderate |
| R17 | 57 | 61 | Negligible | Medium | Minor |
| R18 | 55 | 55 | Negligible | Medium | Minor |
| R19 | 55 | 42 | Negligible | Negligible | Negligible |
| R22 | 58 | 70 | Negligible | High | Moderate |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| R23 | 58 | 61 | Negligible | Medium | Minor |
| R24 | 55 | 71 | Negligible | High | Moderate |
| R25 | 57 | 48 | High | Low | Moderate or Major |
| R27 | 58 | 54 | Medium | Medium | Moderate or Major |
| **Months 31 to 34, TCC activity, EfW CHP Facility Site structures, plant installation, weekdays, day** | | | | | |
| R16 | 58 | 70 | Negligible | High | Moderate |
| R17 | 57 | 61 | Negligible | Medium | Minor |
| R18 | 55 | 54 | Negligible | Medium | Minor |
| R19 | 55 | 41 | Negligible | Negligible | Negligible |
| R22 | 58 | 69 | Negligible | High | Moderate |
| R23 | 58 | 60 | Negligible | Medium | Minor |
| R24 | 55 | 68 | Negligible | High | Moderate |
| R25 | 57 | 48 | High | Low | Moderate or Major |
| R27 | 58 | 53 | Medium | Medium | Moderate or Major |
| **Months 34 to 36, TCC activity, EfW CHP Facility Site structures, commissioning and testing, weekdays, day** | | | | | |
| R16 | 58 | 69 | Negligible | High | Moderate |
| R17 | 57 | 60 | Negligible | Medium | Minor |
| R18 | 55 | 57 | Negligible | Medium | Minor |
| R19 | 55 | 41 | Negligible | Negligible | Negligible |
| R22 | 58 | 69 | Negligible | High | Moderate |
| R23 | 58 | 59 | Negligible | Medium | Minor |
| R24 | 55 | 67 | Negligible | High | Moderate |
| R25 | 57 | 48 | High | Low | Moderate or Major |
| R27 | 58 | 52 | Medium | Medium | Moderate or Major |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekdays, evening** | | | | | |
| R16 | 54 | 60 | Negligible | Medium | Minor |
| R17 | 51 | 47 | Negligible | Low | Negligible |
| R18 | 45 | 46 | Negligible | Low | Negligible |
| R19 | 45 | 30 | Negligible | Negligible | Negligible |
| R22 | 54 | 59 | Negligible | Medium | Minor |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| R23 | 54 | 49 | Negligible | Low | Negligible |
| R24 | 45 | 54 | Negligible | Medium | Minor |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekdays, night** | | | | | |
| R16 | 57 | 56 | Negligible | Medium | Minor |
| R17 | 49 | 47 | Negligible | Low | Negligible |
| R18 | 49 | 44 | Negligible | Negligible | Negligible |
| R19 | 49 | 29 | Negligible | Negligible | Negligible |
| R22 | 57 | 59 | Negligible | Medium | Minor |
| R23 | 57 | 48 | Negligible | Low | Negligible |
| R24 | 49 | 53 | Negligible | Medium | Minor |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Saturday 0800 - 1300 hrs** | | | | | |
| R16 | - | 64 | Negligible | Medium | Minor |
| R17 | 50 | 49 | Negligible | Low | Negligible |
| R18 | 47 | 50 | Negligible | Medium | Minor |
| R19 | 47 | 32 | Negligible | Negligible | Negligible |
| R22 | - | 60 | Negligible | Medium | Minor |
| R23 | - | 49 | Negligible | Low | Negligible |
| R24 | 47 | 57 | Negligible | Medium | Minor |
| R25 | 50 | 39 | High | Negligible | Moderate |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Saturday 1300 - 1600 hrs** | | | | | |
| R16 | - | 64 | Negligible | Medium | Minor |
| R17 | 54 | 49 | Negligible | Low | Negligible |
| R18 | 47 | 50 | Negligible | Medium | Minor |
| R19 | 47 | 32 | Negligible | Negligible | Negligible |
| R22 | - | 60 | Negligible | Medium | Minor |
| R23 | - | 49 | Negligible | Low | Negligible |
| R24 | 47 | 57 | Negligible | Medium | Minor |
| R25 | 54 | 39 | High | Negligible | Moderate |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Sunday 0700 - 2300 hrs** | | | | | |
| R16 | - | 64 | Negligible | Medium | Minor |
| R17 | 53 | 49 | Negligible | Low | Negligible |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| R18 | 44 | 50 | Negligible | Medium | Minor |
| R19 | 44 | 32 | Negligible | Negligible | Negligible |
| R22 | - | 60 | Negligible | Medium | Minor |
| R23 | - | 49 | Negligible | Low | Negligible |
| R24 | 44 | 57 | Negligible | Medium | Minor |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, day** | | | | | |
| R16 | 58 | 65 | Negligible | High | Moderate |
| R17 | 57 | 53 | Negligible | Medium | Minor |
| R18 | 55 | 55 | Negligible | Medium | Minor |
| R19 | 55 | 36 | Negligible | Negligible | Negligible |
| R22 | 58 | 61 | Negligible | Medium | Minor |
| R23 | 58 | 51 | Negligible | Medium | Minor |
| R24 | 55 | 60 | Negligible | Medium | Minor |
| R25 | 57 | 41 | High | Negligible | Moderate |
| R27 | 58 | 46 | Medium | Low | Moderate |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, evening** | | | | | |
| R16 | 54 | 60 | Negligible | Medium | Minor |
| R17 | 51 | 47 | Negligible | Low | Negligible |
| R18 | 45 | 46 | Negligible | Low | Negligible |
| R19 | 45 | 30 | Negligible | Negligible | Negligible |
| R22 | 54 | 59 | Negligible | Medium | Minor |
| R23 | 54 | 49 | Negligible | Low | Negligible |
| R24 | 45 | 54 | Negligible | Medium | Minor |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, night** | | | | | |
| R16 | 57 | 56 | Negligible | Medium | Minor |
| R17 | 49 | 47 | Negligible | Low | Negligible |
| R18 | 49 | 44 | Negligible | Negligible | Negligible |
| R19 | 49 | 29 | Negligible | Negligible | Negligible |
| R22 | 57 | 59 | Negligible | Medium | Minor |
| R23 | 57 | 48 | Negligible | Low | Negligible |
| R24 | 49 | 53 | Negligible | Medium | Minor |

| R. ID | Baseline sound level, dB $L_{Aeq,T}$ | Predicted Construction Noise Level, dB $L_{Aeq,T}$ | Sensitivity of Receptor | Magnitude of impact | Indicative Significance of effects (not accounting for absolute sound level, duration of works, etc.) |
|---|---|---|---|---|---|
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Saturday 0800 - 1300 hrs** | | | | | |
| R16 | - | 64 | Negligible | Medium | Minor |
| R17 | 50 | 49 | Negligible | Low | Negligible |
| R18 | 47 | 50 | Negligible | Medium | Minor |
| R19 | 47 | 32 | Negligible | Negligible | Negligible |
| R22 | - | 60 | Negligible | Medium | Minor |
| R23 | - | 49 | Negligible | Low | Negligible |
| R24 | 47 | 57 | Negligible | Medium | Minor |
| R25 | 50 | 39 | High | Negligible | Moderate |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Saturday 1300 - 1600 hrs** | | | | | |
| R16 | - | 64 | Negligible | Medium | Minor |
| R17 | 54 | 49 | Negligible | Low | Negligible |
| R18 | 47 | 50 | Negligible | Medium | Minor |
| R19 | 47 | 32 | Negligible | Negligible | Negligible |
| R22 | - | 60 | Negligible | Medium | Minor |
| R23 | - | 49 | Negligible | Low | Negligible |
| R24 | 47 | 57 | Negligible | Medium | Minor |
| R25 | 54 | 39 | High | Negligible | Moderate |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Sunday 0700 - 2300 hrs** | | | | | |
| R16 | - | 64 | Negligible | Medium | Minor |
| R17 | 53 | 49 | Negligible | Low | Negligible |
| R18 | 44 | 50 | Negligible | Medium | Minor |
| R19 | 44 | 32 | Negligible | Negligible | Negligible |
| R22 | - | 60 | Negligible | Medium | Minor |
| R23 | - | 49 | Negligible | Low | Negligible |
| R24 | 44 | 57 | Negligible | Medium | Minor |

4.1.3 A summary of the numerical assessment of potential construction noise impacts at non-residential Receptors throughout the construction programme is presented overleaf in, **Table 4.2 Construction noise assessment, summary of results: non-residential Receptors** and is followed by determination of significance.

## Table 4.2 Construction noise assessment, summary of results: non-residential Receptors

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where significance is moderate or higher |
|---|---|---|---|
| **Month 1, mobilisation - TCC, weekdays, day** | Low to High | Minor to Moderate or Major | R22, R23, R25, R27 |
| **Month 1 - month 5, TCC generators, weekdays, evening** | Negligible to Medium | Negligible to Minor | - |
| **Month 1 - month 5, TCC generators, weekdays, night** | Negligible to Medium | Negligible to Minor | - |
| **Month 1, TCC generators, weekends, Saturday 0800 - 1300 hrs** | Negligible to Medium | Negligible to Moderate | R25 |
| **Month 1 - month 5, TCC generators, weekends, Saturday 1300 - 1600 hrs** | Negligible to Medium | Negligible to Moderate | R25 |
| **Month 1 - month 5, TCC generators, weekends, Sunday 0700 - 2300 hrs** | Negligible to Medium | Negligible to Minor | - |
| **months 2 to 4, TCC activity, mobilisation: EfW CHP Facility Site and Access Improvements, weekdays, day** | Low to High | Negligible to Major | R16, R18, R22, R24, R25, R27 |
| **months 4 to 6, TCC activity, EfW CHP Facility Site earthworks and Access Improvements, weekdays, day** | Low to High | Negligible to Major | R16, R18, R22, R24, R25, R27 |
| **Months 6 to 8, TCC activity (telescopic handler only at TCC hereafter), Access Improvements and EfW CHP Facility Site earthworks, weekdays, day** | Low to High | Negligible to Moderate or Major | R16, R22, R24, R25, R27 |
| **Month 8, TCC activity, EfW CHP Facility Site earthworks, weekdays, day** | Negligible to High | Negligible to Moderate or Major | R16, R22, R24, R25, R27 |

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where significance is moderate or higher |
|---|---|---|---|
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, day** | Negligible to Medium | Negligible to Moderate | R25 |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, evening** | Negligible to Medium | Negligible to Minor | - |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekdays, night** | Negligible to Medium | Negligible to Minor | - |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Saturday 0800 - 1300 hrs** | Negligible to Medium | Negligible to Minor | - |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Saturday 1300 - 1600 hrs** | Negligible to Medium | Negligible to Minor | - |
| **Month 9, TCC activity, EfW CHP Facility Site foundations, weekends, Sunday 0700 - 2300 hrs** | Negligible to Medium | Negligible to Minor | - |
| **Months 10 to 12, TCC activity, EfW CHP Facility Site foundations, plant installation, weekdays, day** | Negligible to High | Negligible to Moderate or Major | R16, R22, R24, R25, R27 |
| **Months 12 to 16, TCC activity, EfW CHP Facility Site foundations, M&E, plant installation, weekdays, day** | Negligible to High | Negligible to Moderate or Major | R16, R22, R24, R25, R27 |
| **Months 12 to 31, M&E, weekdays, evening** | Negligible to Medium | Negligible to Minor | - |
| **Months 12 to 31, M&E, weekdays, night** | Negligible to Medium | Negligible to Minor | - |
| **Months 12 to 31, M&E, weekends, Saturday 0800 - 1300 hrs** | Negligible to Medium | Negligible to Moderate | R25 |

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where significance is moderate or higher |
|---|---|---|---|
| **Months 12 to 31, M&E, weekends, Saturday 1300 - 1600 hrs** | Negligible to Medium | Negligible to Moderate | R25 |
| **Months 12 to 31, M&E, weekends, Sunday 0700 - 2300 hrs** | Negligible to Medium | Negligible to Minor | - |
| **Months 16 to 18, TCC activity, EfW CHP Facility Site foundations, M&E, plant installation, weekdays, day** | Negligible to High | Negligible to Moderate or Major | R16, R22, R24, R25, R27 |
| **Months 16 to 18, Water Connection & Grid Connection along New Bridge Lane, M&E, weekdays, evening** | Negligible to High | Negligible to Moderate | R16, R22 |
| **Months 16 to 18, Water Connection & Grid Connection along New Bridge Lane, M&E, weekdays, night** | Negligible to High | Negligible to Moderate | R16, R22 |
| **Months 16 to 18, Water Connection & Grid Connection along New Bridge Lane, M&E, weekends, Saturday 0800 - 1300 hrs** | Negligible to High | Negligible to Moderate | R16, R22 |
| **Months 16 to 18, Water Connection & Grid Connection along New Bridge Lane, M&E, weekends, Saturday 1300 - 1600 hrs** | Negligible to High | Negligible to Moderate | R16, R22 |
| **Months 16 to 18, Water Connection & Grid Connection along New Bridge Lane, M&E, weekends, Sunday 0700 - 2300 hrs** | Negligible to High | Negligible to Moderate | R16, R22 |
| **Months 18 to 22, TCC activity, EfW CHP Facility Site roads and hardstandings, M&E, plant installation, weekdays, day** | Low to High | Negligible to Major | R16, R17, R22, R24, R25, R27 |
| **Months 22 to 25, and Month 30, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, weekdays, day** | Negligible to High | Negligible to Major | R16, R22, R24, R25, R27 |
| **Month 25, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, CHP Connection mobilisation site clearance, weekdays, day** | Low to High | Negligible to Major | R16, R22, R24, R25, R27 |

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where significance is moderate or higher |
|---|---|---|---|
| **Months 26 to 30, TCC activity, EfW CHP Facility Site structures, M&E, plant installation, CHP Connection foundations, weekdays, day** | Negligible to High | Negligible to Major | R16, R22, R24, R25, R27 |
| **Month 31, TCC activity, EfW CHP Facility Site structures, plant installation, CHP Connection install, weekdays, day** | Negligible to High | Negligible to Moderate or Major | R16, R22, R24, R25, R27 |
| **Months 31 to 34, TCC activity, EfW CHP Facility Site structures, plant installation, weekdays, day** | Negligible to High | Negligible to Moderate or Major | R16, R22, R24, R25, R27 |
| **Months 34 to 36, TCC activity, EfW CHP Facility Site structures, commissioning and testing, weekdays, day** | Negligible to High | Negligible to Moderate or Major | R16, R22, R24, R25, R27 |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekdays, evening** | Negligible to Medium | Negligible to Moderate | - |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekdays, night** | Negligible to Medium | Negligible to Moderate | - |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Saturday 0800 - 1300 hrs** | Negligible to Medium | Negligible to Moderate | R25 |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Saturday 1300 - 1600 hrs** | Negligible to Medium | Negligible to Moderate | R25 |
| **Months 34 to 36, EfW CHP Facility commissioning and testing, weekends, Sunday 0700 - 2300 hrs** | Negligible to Medium | Negligible to Moderate | - |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, day** | Negligible to High | Negligible to Moderate | R16, R25, R27 |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, evening** | Negligible to Medium | Negligible to Moderate | - |

| Construction period/activities | Magnitude of impact (range) | Significance of effects (range) | Receptors where significance is moderate or higher |
|---|---|---|---|
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekdays, night** | Negligible to Medium | Negligible to Moderate | - |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Saturday 0800 - 1300 hrs** | Negligible to Medium | Negligible to Moderate | R25 |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Saturday 1300 - 1600 hrs** | Negligible to Medium | Negligible to Moderate | R25 |
| **Months 36 to 43, EfW CHP Facility commissioning and testing, weekends, Sunday 0700 - 2300 hrs** | Negligible to Medium | Negligible to Moderate | - |

## 4.2 Determination of Significance

4.2.1 As detailed in **Table 2.2 Establishing the sensitivity of Receptors**, all industrial and commercial Receptors are considered to be of negligible sensitivity to noise impacts, the Eye Clinic (Receptor 25) is considered to be of high sensitivity to noise impacts and the Cambian Education Foundation Learning Centre (Receptor 27) is considered to be of medium sensitivity to noise impacts.

4.2.2 For assessments of activities on the EfW CHP Facility Site, results of the assessment at R16 are representative of R51 and R52, and results of the assessment at R24 are representative of R53.

4.2.3 With reference to the summary provided in **Table 4.1 Construction noise assessment: non-residential Receptors**, potentially significant effects have been identified at:

- Receptors 22, 23, 25 and 27 – due to daytime mobilisation activities at the TCC; and
- Receptors 16, 17, 18, 22, 24, 25 and 27 due to various works at, and the vicinity of, the EfW CHP Facility Site, at various stages of the construction programme.

4.2.4 For all other periods of works and assessment locations, predicted impacts are of no greater than medium magnitude, resulting in effects of no greater than minor significance. With reference to **Table 2.6 Significance evaluation matrix**, effects of minor significance are Not Significant.

4.2.5 With regard to the potentially significant effects identified, it is essential to consider the duration of impacts, absolute sound levels and the varying sensitivities of the Receptors considered, to determine the significance of effects. All potentially significant effects are examined below, based on the period of the construction programme when the potentially significant effects are predicted to occur.

4.2.6 Wherever significant effects are confirmed below, additional mitigation measures to reduce the significance of the effects are discussed in **Section 5**.

### Month 1

4.2.7 Potentially significant effects have been identified at Receptors 22, 23, 25 and 27 during mobilisation activities at the TCC.

4.2.8 Of the Receptors listed above, Receptor 22 is predicted to experience the highest construction noise level during this period of 74 dBA. Receptor 22 is mostly exposed to noise from activities in the TCC area. It is therefore considered that audibility of movement alarms and speech communication may be adversely affected by construction noise and that this could present a risk to personnel at Receptor 22, depending on the work and activities undertaken there. On this basis it is considered that the potentially significant effects are confirmed as Significant at Receptor 22.

4.2.9 At Receptor 23, which is predicted to experience the 2$^{nd}$ highest construction noise level during this period of 68 dBA, it appears that offices could be located on the façade facing the TCC. It is therefore considered that the potentially significant effects are confirmed as Significant at Receptor 23.

4.2.10 Receptor 25 is predicted to experience a construction noise level during this period of 46 dBA. This level is considered unlikely to give rise to any adverse impacts, despite the high sensitivity of this Receptor. Furthermore, baseline sound levels are 9 dB in excess of the predicted construction noise level. On this basis it is considered that the potentially significant effects identified at Receptor 25 are Not Significant.

4.2.11 Receptor 27 is predicted to experience a construction noise level during this period of 45 dBA. This level is considered most unlikely to give rise to any adverse impacts and is 13 dB below the baseline sound level. On this basis it is considered that the potentially significant effects identified at Receptor 27 are Not Significant.

## Months 2 to 8

4.2.12 Potentially significant effects have been identified at Receptors 16, 18, 22 to 25 and 27 during daytime construction activities during site mobilisation at the EfW CHP Facility Site, during the EfW CHP Facility Site earthworks and the Access Improvements.

4.2.13 At the industrial and commercial Receptors (16, 18, 22 – 24), predicted construction noise levels are between 65 and 73 dBA, and are around 10 – 15 dB above baseline sound levels.

4.2.14 At Receptor 25 the predicted construction noise level is between 48 to 52 dBA, which is between 5 to 9 dB below baseline sound levels. At Receptor 27 the predicted construction noise levels are between 53 to 54 dBA, which are between 4 to 5 dB below baseline sound levels. Predicted construction noise levels do not exceed baseline sound levels, and absolute sound levels are considered unlikely to give rise to any adverse impacts at Receptors 25 and 27.

4.2.15 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors 16, 18 and 22 to 24 are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

## Month 8

4.2.16 Potentially significant effects have been identified at Receptors 16, 22, 24, 25 and 27 during daytime construction activities for the EfW CHP Facility Site earthworks.

4.2.17 At the industrial and commercial Receptors where potentially significant effects have been identified, predicted construction noise levels are between 66 and 68 dBA, and are around 10 dB above baseline sound levels.

4.2.18 At Receptor 25 the predicted construction noise level is 48 dBA, which is 9 dB below the baseline sound level. At Receptor 27 the predicted construction noise level is 52 dBA, which is 6 dB below the baseline sound level. Predicted construction noise levels do not exceed baseline sound levels, and absolute sound levels are considered unlikely to give rise to any adverse impacts at Receptors 25 and 27.

4.2.19 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

## Month 9

4.2.20 Potentially significant effects have been identified at Receptor 25 during daytime construction activity for the EfW CHP Facility Site foundations.

4.2.21 The predicted construction noise level at Receptor 25 is 40 dBA and is nearly 20 dB below the baseline sound level. As such adverse impacts are most unlikely to occur.

4.2.22 Based on the above it is considered that the potentially significant effects identified are Not Significant.

## Months 10 to 12

4.2.23 Potentially significant effects have been identified at Receptors 16, 22, 24, 25 and 27 during daytime construction activities for the EfW CHP Facility Site foundations and plant installation.

4.2.24 At the industrial and commercial Receptors, predicted construction noise levels are between 65 and 66 dBA, and are up to 10 dB above baseline sound levels.

4.2.25 At Receptors 25 and 27, predicted construction noise levels are 45 and 50 dBA, respectively. Predicted construction noise levels are between 8 to 10 dB below baseline sound levels.

4.2.26 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

## Months 12 to 16

4.2.27 Potentially significant effects have been identified at Receptors 16, 22, 24, 25 and 27 during daytime construction activities for the EfW CHP Facility Site foundations, the M&E and plant installation.

4.2.28 At the industrial and commercial Receptors, predicted construction noise levels are between 70 and 71 dBA, and are 13 to 15 dB above baseline sound levels.

4.2.29 At Receptors 25 and 27, predicted construction noise levels are 49 and 54 dBA, respectively, and between 4 to 8 dB below baseline sound levels.

4.2.30 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

## Months 12 to 31

4.2.31 Potentially significant effects have been identified at Receptor 25 during out-of-core-hours construction activities for the EfW CHP Facility Site M&E.

4.2.32 Predicted construction noise levels are 43 dBA and are 9 dB below baseline sound levels.

4.2.33 Based on the above, it is considered that the potentially significant effects identified are Not Significant.

## Months 16 to 18

### *Core hours works*

4.2.34 Potentially significant effects have been identified at Receptors 16, 22, 24, 25 and 27 during daytime construction activities for the EfW CHP Facility Site foundations, M&E and plant installation.

4.2.35 At the industrial and commercial Receptors, predicted construction noise levels are between 70 and 71 dBA, and are between 13 to 15 dB above baseline sound levels.

4.2.36 At Receptors 25 and 27, predicted construction noise levels are 49 and 54 dBA, respectively, which are between 4 to 8 dB below baseline sound levels.

4.2.37 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

### *Out-of-core-hours works*

4.2.38 Potentially significant effects have been identified at industrial and commercial Receptors 16 and 22 during out-of-core-hours construction activities on the Grid Connection and Water Connections along New Bridge Lane.

4.2.39 Predicted construction noise levels are 65 dBA and are around 8 to 9 dB above baseline sound levels.

4.2.40 The threshold for a high impact was met, but not exceeded, and it is considered unlikely that the predicted construction noise levels would interfere with the normal operation of the industrial and commercial Receptors.

4.2.41 Based on the above, it is considered that the potentially significant effects identified are Not Significant.

## Months 18 to 22

4.2.42 Potentially significant effects have been identified at Receptors 16, 17, 22, 24, 25 and 27 during daytime construction activities for the EfW CHP Facility Site roads and hardstandings, structures, M&E and plant installation.

4.2.43 At the industrial and commercial Receptors, predicted construction noise levels are between 65 and 75 dBA, and are around 10 to 20 dB above baseline sound levels.

4.2.44 At Receptors 25 and 27, predicted construction noise levels are 54 and 58 dBA, respectively, which are between 3 dB below and equal to baseline sound levels.

4.2.45 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

## Months 22 to 25

4.2.46 Potentially significant effects have been identified at Receptors 16, 22, 24, 25 and 27 during daytime construction activities for the EfW CHP Facility Site structures, M&E and plant installation.

4.2.47 At the industrial and commercial Receptors, predicted construction noise levels are between 71 and 72 dBA, and are around 15 dB above baseline sound levels.

4.2.48 At Receptors 25 and 27, predicted construction noise levels are 51 and 56 dBA, respectively, which are between 2 to 6 dB below baseline sound levels.

4.2.49 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

## Month 25

4.2.50 Potentially significant effects have been identified at Receptors 16, 22, 24, 25 and 27 during daytime construction activities for the EfW CHP Facility Site structures, M&E, plant installation and clearance of the southern end of the CHP Connection.

4.2.51 At the industrial and commercial Receptors, predicted construction noise levels are between 73 and 75 dBA, and are around 15 to 20 dB above baseline sound levels.

4.2.52 At Receptors 25 and 27, predicted construction noise levels are 51 and 57 dBA, respectively, which are between 1 to 5 dB below baseline sound levels.

4.2.53 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant

## Months 26 to 30

4.2.54 Potentially significant effects have been identified at Receptors 16, 22, 24, 25 and 27 during daytime construction activities for the EfW CHP Facility Site structures, M&E, plant installation and installation of foundations at the southern end of the CHP Connection Corridor.

4.2.55 At the industrial and commercial Receptors, predicted construction noise levels are between 73 and 75 dBA, and are around 10 to 20 dB above baseline sound levels.

4.2.56 At Receptors 25 and 27, predicted construction noise levels are 51 and 57 dBA, respectively, which are between 1 to 5 dB below baseline sound levels.

4.2.57 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

## Month 31

4.2.58 Potentially significant effects have been identified at Receptors 16, 22, 24, 25 and 27 during daytime construction activities for the EfW CHP Facility Site structures,

M&E, plant installation and installation of the CHP Connection at the southern end of the CHP Connection Corridor.

4.2.59 At the industrial and commercial Receptors, predicted construction noise levels are between 70 and 71 dBA, and are around 15 dB above baseline sound levels.

4.2.60 At Receptors 25 and 27, predicted construction noise levels are 48 and 54 dBA, respectively, which are between 4 to 9 dB below baseline sound levels.

4.2.61 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

## Months 31 to 34

4.2.62 Potentially significant effects have been identified at Receptors 16, 22, 24, 25 and 27 during daytime construction activities for the EfW CHP Facility Site structures and plant installation.

4.2.63 At the industrial and commercial Receptors, predicted construction noise levels are between 66 and 70 dBA, and are around 10 to 13 dB above baseline sound levels.

4.2.64 At Receptors 25 and 27, predicted construction noise levels are up to 48 and 53 dBA, respectively, and between 5 to 11 dB below baseline sound levels.

4.2.65 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

## Months 34 to 36

4.2.66 Potentially significant effects have been identified at Receptors 16, 22, 24, 25 and 27 during daytime construction activities for the EfW CHP Facility Site structures and commissioning and testing. Potentially significant effects have been identified at Receptor 25 during out of core hours works on commissioning and testing.

4.2.67 At the industrial and commercial Receptors, predicted daytime construction noise levels are between 67 and 69 dBA, and are around 10 to 12 dB above baseline sound levels.

4.2.68 At Receptors 25 and 27, predicted construction noise levels are between 39 and 54 dBA, and between 6 to 11 dB below baseline sound levels.

4.2.69 Based on the above, it is considered that the potentially significant effects identified at industrial and commercial Receptors are confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

## Months 36 to 43

4.2.70 Potentially significant effects have been identified at Receptors 16, 25 and 27 during daytime commissioning and testing of the EfW CHP Facility. Potentially significant effects have been identified at Receptor 25 during out of core hours works on the commissioning and testing of the EfW CHP Facility.

4.2.71 At the industrial/commercial Receptor 16, predicted daytime construction noise levels are 65 dBA, which is around 7 dB above baseline sound levels.

4.2.72 At Receptors 25 and 27, predicted construction noise levels are between 39 and 46 dBA, and between 12 to 16 dB below baseline sound levels.

4.2.73 Based on the above, it is considered that the potentially significant effects identified at the industrial/commercial Receptor is confirmed as Significant, and that potentially significant effects identified at Receptors 25 and 27 are Not Significant.

# 5. Mitigation

## 5.1 Introduction

5.1.1 Significant effects have been identified at different stages of the construction programme at the residential Receptor locations discussed in **Section 3.2** and at the non-residential Receptor locations discussed in **Section 4.2**. This section sets out mitigation measures which may be used to reduce the significance of the effects identified.

5.1.2 It should be noted that the significant effects identified have been predicted on the basis of draft construction plant lists and the draft construction programme. The draft plant lists have been prepared on the basis of representing a likely worst-case over the duration of the construction programme, and reflects the current understanding of the likely plant requirements. Actual selection of plant and plant on-times are subject to change, once the Proposed Development is consented and an EPC Contractor is appointed. As such, it is considered that the predicted construction noise levels are representative of a worst-case, and that actual construction noise levels would likely be lower than predicted, for the majority of the duration of the works. The assessment is therefore representative of the envelope in which noise impacts may occur, whilst in practice the noise impacts may be lower than predicted.

5.1.3 Furthermore, when detailed construction schedules are available, these will likely indicate reduced plant requirements over specific durations of the construction programme. This is considered in detail for the Access Improvements below in **Section 5.2**.

5.1.4 Any changes to the actual plant used, and incorporation of any mitigation measures, such as those described here, and those outlined in the CEMP, does not negate the need to agree the works with the relevant local authorities for works planned in advance, where these may be required.

## 5.2 Consideration of reduced noise levels based on draft detailed programme for the Access Improvements

5.2.1 As the Access Improvements are indicated to occur over a 6-month period, and significant effects were identified at two Receptors near to the EfW CHP Facility Site due to construction of the Access Improvements, additional information was sought that would provide greater detail about the programme of works and likely plant requirements. This was to better understand the potential for triggering requirements for either providing additional noise insulation for affected dwellings, or temporary rehousing, where the thresholds in Annex E4 of BS 5228-1 may be exceeded.

5.2.2 **Annex B** presents the draft detailed construction programme for the Access Improvements and the calculated sound power of the construction plant and activities required. The overall sound power calculated, based on the draft detailed programme, is 107 dBA $L_W$. This is 7 dB below the sound power of the draft plant list upon which the initial assessment was based.

5.2.3 The 7 dB reduction is an example of the reduction that may be expected when considering a more detailed construction programme, as compared to the input data used for the assessment.

## 5.3 Residential Receptors

### Months 2 to 8

5.3.1 Significant effects were identified at Receptors 2 and 3 during daytime works in months 2 to 8. Exceedances of the threshold are predicted to be between 7 and 12 dB. The excess of predicted construction noise levels above the BS 5228-1 thresholds are primarily due to construction activities for the Access Improvements.

5.3.2 As discussed above in **Section 5.2**, consideration of a draft detailed construction programme for the Access Improvements indicates that construction noise levels due to works on the Access Improvements will likely be around 7 dB lower than predicted.

5.3.3 On the basis of the above, a further 5 dB attenuation would be required to avoid the significant effects identified. It is considered that, with management of noisy activities associated with the Access Improvements, a 5 dB attenuation will be readily achievable, and that significant effects will be avoided.

5.3.4 Measures to achieve 5 dB attenuation could consist of programming of activities to avoid overlapping intensive works in the vicinity of Receptors 2 and 3, selection of quieter plant and provision of local screening.

5.3.5 Determination of the precise mitigation requirements will be undertaken when there is a confirmed construction programme. At that stage, it will be determined if, through the implementation of the measures outlined above, and other measures as appropriate, will be sufficient to avoid significant effects at Receptors 2 and 3. If the mitigation measures outlined above are unlikely to reduce construction noise levels sufficiently to reduce the significance of effects, then provision of additional noise insulation or temporary rehousing could be required.

5.3.6 However, to avoid significant effects during the operational phase the dwelling at Receptor 2 (9 New Bridge Lane) will be either purchased from the current owner or subject to compulsory acquisition by the Applicant. To avoid significant effects during the operational phase at Receptor 3 (10 New Bridge Lane), an acoustic barrier is proposed. If the barrier is constructed at the outset of the construction phase, reduced requirements for noise management may be indicated, and the potential requirement for noise insulation or temporary rehousing may also be avoided.

5.3.7 Therefore, through the removal of Receptor 2 through compulsory acquisition, the additional screening provided by the acoustic barrier to Receptor 3, and/or the provision of mitigation measures to reduce construction noise levels at Receptor 3, the significant effects identified will be reduced such that they are Not Significant.

## Months 16 to 18

### *Grid Connection and Water Connections along New Bridge Lane*

5.3.8 Potentially significant effects were identified at Receptors 2 to 4 during out-of-core-hours construction works for the Grid Connection and Water Connections along New Bridge Lane and the EfW CHP Facility Site M&E. Predicted excesses of construction noise levels above the threshold values were between 5 and 15 dB. It is considered that the duration of the works would likely not exceed the temporal threshold for triggering eligibility for noise insulation.

5.3.9 On the basis of the above, at least 15 dB attenuation would be required to avoid the significant effects identified. Measures to achieve at least 15 dB attenuation could consist of programming of activities to avoid overlapping intensive works in the vicinity of Receptors 2 to 4, selection of quieter plant and provision of local screening.

5.3.10 Therefore, with the removal of Receptor 2 through purchase or compulsory acquisition, the additional screening provided by the acoustic barrier to Receptor 3, and additional mitigation measures to reduce construction noise levels at Receptor 4, determined based on consideration of the detailed construction programme, the significant effects identified will be reduced such that they are Not Significant.

### *Construction activities for Water Connection - A47 Crossing (HDD option)*

5.3.11 Potentially significant effects were identified at Receptors 2 to 5 during out-of-core-hours construction activities for the Water Connections crossing of the A47 – HDD option and the EfW CHP Facility Site M&E. The predicted excess of construction noise levels above the threshold values are between 1 and 7 dB, with the greatest exceedances of 7 dB predicted at Receptor 4 and exceedances of 1 to 2 dB predicted at Receptors 2, 3 and 5.

5.3.12 On the basis of the above, at least 7 dB attenuation would be required to avoid the significant effects identified.

5.3.13 Measures to achieve at least 7 dB attenuation could consist of selection of quieter plant and provision of local screening. It is considered that the potential for local screening to achieve the necessary attenuation is significant, as the primary noise sources are pumps and generators, which will remain static and are of low height.

5.3.14 Determination of the precise mitigation requirements will be undertaken when there is a confirmed construction programme. At that stage, it will be determined if, through the implementation of the measures outlined above and other measures as appropriate, will be sufficient to avoid significant effects. If the mitigation measures outlined above cannot reduce construction noise levels sufficiently to reduce the significance of effects, then provision of additional noise insulation may be required.

5.3.15 However, Receptor 5 is New ridge Lane Caravan Park, and provision of additional noise insulation may be a problematic or non-viable option. As the predicted exceedance of the threshold is only 1 dB at Receptor 5, it should be feasible to provide adequate measures that achieve sufficient attenuation to avoid significant effects at Receptor 5 and to avoid the requirement to provide additional noise insulation.

5.3.16 The use of the open trench method as a lower noise, and lower duration, alternative could therefore be considered as a preferrable option to mitigate noise impacts during installation of the Water Connection under the A47.

5.3.17 Therefore, with the removal of Receptor 2 through compulsory acquisition, the additional screening provided by the acoustic barrier to Receptor 3, and either through the provision of mitigation measures to reduce construction noise levels at Receptors 4 and 5, or through the use of an alternative construction method (open trench option), the significant effects identified will be reduced such that they are Not Significant.

### *Construction activities for Water Connection - A47 Crossing (Open trench option)*

5.3.18 Potentially significant effects were identified at Receptors 2 to 4 during out-of-core-hours construction activities for the Water Connections crossing of the A47 – open trench option and the EfW CHP Facility Site M&E. The predicted construction noise levels are between 1 to 2 dB above the threshold value.

5.3.19 On the basis of the above, at least 2 dB attenuation would be required to avoid the significant effects identified. Such an attenuation would be readily achievable and could consist of selection of quieter plant and provision of local screening.

5.3.20 Therefore, with the removal of Receptor 2 through compulsory acquisition, the additional screening provided by the acoustic barrier to Receptor 3, and through the provision of mitigation measures to reduce construction noise levels at Receptor 4, the significant effects identified will be reduced such that they are Not Significant.

## Months 18 to 22

### *Construction activities at, and the vicinity of, the EfW CHP Facility*

5.3.21 Significant effects were confirmed at Receptors 2 and 3 during daytime construction activities for the EfW CHP Facility Site roads and hardstandings, M&E and plant installation. The predicted excess of construction noise levels above the threshold values was 1 dB at both Receptors. Such an attenuation would be readily achievable and could consist of selection of quieter plant and provision of local screening.

5.3.22 Therefore, with the removal of Receptor 2 through compulsory acquisition, the additional screening provided by the acoustic fence to Receptor 3, or through management and reduction of construction noise, the significant effects identified will be reduced such that they are Not Significant.

### *Construction activities for Grid Connection cable install along A47*

5.3.23 Potentially significant effects were identified at Receptors 44 to 49 during out-of-core-hours construction activities for the Grid Connection. Predicted exceedances of the threshold levels are between 10 to 17 dB. It is noted that the sensitivities of nearby Receptors will vary depending on the time of year that the works are undertaken. As the duration of the works would be limited, and worst-case construction noise levels would only occur on one or two evenings/nights, it is considered that the potentially significant effects identified are Not Significant. However, construction noise levels should still be controlled as far as reasonably

practicable. Additional efforts to control construction noise should be undertaken if constructing this element during the summer months.

5.3.24 Between 10 to 17 dB attenuation would be required to avoid any exceedance of the BS 5228-1 threshold values. Measures to achieve this attenuation could consist of selection of quieter plant, provision of local screening, or reducing the intensity of the works. However, reducing the intensity of the works would likely entail extending the duration of the works and hence would increase impacts to road traffic during extended road closures. A balance could be struck by extending the duration of the works slightly, when close to residential Receptors, to reduce the intensity of the works, whilst ensuring that any residual impacts were also of limited duration (i.e., worst-case noise levels only occurring over, for example, up to a week).

## Month 25

5.3.25 Potentially significant effects were identified at Receptor 3 during daytime construction activity at, and the vicinity of the EfW CHP Facility Site, during construction works on the EfW CHP Facility Site structures, M&E, plant Installation and CHP Connection site clearance. The predicted exceedance of the threshold is 1 dB.

5.3.26 Based on the duration of impacts, the potentially significant effects were confirmed as Significant. To avoid the significant effects, at least 1 dB attenuation would be required. Such an attenuation would be readily achievable and could consist of selection of quieter plant and provision of local screening.

5.3.27 However, an acoustic fence is proposed for Receptor 3 to avoid significant effects during the operational phase. If the acoustic fence to Receptor 3 is constructed prior to month 25, this would provide the necessary attenuation to avoid the significant effects identified.

5.3.28 Therefore, with the additional screening provided by the acoustic fence to Receptor 3, and/or through the provision of mitigation measures to reduce construction noise levels at Receptor 3, the significant effects identified will be reduced such that they are Not Significant.

## Months 25 to 31

### *Construction activities for northern end of the CHP Connection Corridor*

5.3.29 Potentially significant effects were identified at Receptors 31 to 39 during daytime construction activities at the northern end of the CHP Connection Corridor, during site clearance, installation of foundations and installation of the pipeline. It is anticipated that worst-case sound levels may only be experienced over a limited duration, likely less than one day.

5.3.30 Exceedances of the threshold levels are between 6 and 13 dB during site clearance and installation of foundations. During installation of the pipeline, exceedances of between 2 and 9 dB are predicted.

5.3.31 Based on the limited duration of impacts, it is considered that the potentially significant effects identified are Not Significant. However, construction noise levels

should still be reduced and controlled as far as reasonably practicable to minimise any residual impacts.

5.3.32 Measures to reduce and control construction noise levels could consist of selection of quieter plant, provision of local screening, or reducing the intensity of the works.

### Months 34 to 43

5.3.33 Significant effects were confirmed at Receptor 2 during out of core hours activity at the EfW CHP Facility Site during commissioning and testing. The predicted exceedance of the threshold is 2 dB.

5.3.34 To avoid significant effects during the operational phase the dwelling at Receptor 2 (Number 9 New Bridge Lane) will be subject to compulsory acquisition by the Applicant. Therefore, with the removal of Receptor 2 through compulsory acquisition, the significant effects identified will be reduced such that they are Not Significant.

## 5.4 Non-Residential Receptors

5.4.1 Significant effects were identified at industrial and commercial Receptors 16, 17, 18, 22, 23 and 24 during various stages of the construction programme. Predicted construction noise levels are between 65 and 78 dBA.

### Consideration of likelihood of significant adverse effects

5.4.2 The threshold for a high magnitude impact was determined on the basis of avoiding a total ambient sound level of 75 dBA. In general, for most locations on industrial and commercial premises, construction sound levels below 70 dBA are unlikely to be problematic. With regard to the baseline sound levels, which are sound 55 – 58 dB $L_{Aeq,T}$ during the daytime, construction sound levels below 70 dBA are most unlikely to give rise to an exceedance of a total ambient sound level of 75 dBA. With reference to the BS 5228-1 criteria referred to in **Table 2.5 Impact magnitudes of construction noise affecting non-residential Receptors**, a total ambient noise level of 75 dBA is considered to be an appropriate noise limit that would apply at specific industrial and commercial Receptor locations which are confirmed as noise sensitive.

5.4.3 Construction noise levels above 70 dBA are increasingly likely to give rise to an exceedance of a total ambient sound level of 75 dBA, and are more likely to be problematic, potentially for both lesser sensitive parts of industrial and commercial premises (such as façades where there are no activities taking place and materials storage areas with minimal or no mobile plant/vehicle movements) and more noise sensitive parts of industrial and commercial premises (façades containing office spaces and external areas where there are significant mobile plant/vehicle movements and personnel moving around the site on foot).

5.4.4 Significant effects have been identified at the Receptors closest to the EfW CHP Facility Site and TCC on the basis of Receptor locations representative of the nearest points on nearby industrial and commercial premises to the EfW CHP Facility Site. It is considered that the potential for actual impacts should be confirmed

by liaison with the operators of the adjacent industrial and commercial premises, to confirm precise locations where noise sensitive activities occur or where there is potential for construction noise to interfere with the audibility of plant/vehicle movement alarms.

## Mitigation to avoid significant effects

5.4.5 Confirmation of noise sensitive locations through liaison with the operators of the adjacent industrial and commercial premise may be used to determine appropriate boundary noise monitoring locations at specific points on the EfW CHP Facility Site boundary representative of noise sensitive locations.

5.4.6 The EfW CHP Facility Site boundary construction noise level criteria may be determined based on the distance from the boundary locations to the noise sensitive locations identified by the site operators, accounting for propagation distance and the sensitivity of the location identified.

5.4.7 In general, noise levels from construction activities should be monitored to ensure that a total ambient sound level of 75 dB $L_{Aeq,T}$ is not exceeded at any noise sensitive location identified by the site operators. Where measured construction sound levels exceed the construction noise level criteria, action should be taken to investigate the cause of the exceedance and identify appropriate measures to reduce noise emissions from the specific activities giving rise to the exceedances.

5.4.8 Measures to control and reduce construction noise emissions giving rise to any exceedances that may cause adverse effects may include, but not be limited to (in order of effectiveness, following the 'source, path, receiver' hierarchy of noise control):

- Selection of quieter plant;
- Reducing intensity of works;
- Scheduling works to avoid multiple activities near to noise sensitive locations;
- Scheduling works to avoid noise sensitive times of day;
- Provision of local screening;
- Provision of boundary screening;
- Provision of enhanced façade treatments to reduce received construction noise levels in office spaces; and
- Provision of plant movement alarms, for plant operating in nearby premises, that vary the loudness level according to ambient noise levels.

5.4.9 On the basis of the approach set out above, entailing liaison with occupiers of nearby industrial and commercial premises, determination of appropriate site boundary construction noise levels, monitoring of construction noise levels at key boundary locations, investigation of exceedances of the criteria and implementation of mitigation measures to reduce and avoid any exceedances identified, it is considered that significant adverse effects would be avoided.

5.4.10 Residual impacts would be of no greater than medium magnitude, resulting in effects of no greater than minor significance, which are Not Significant.

# 6. Summary & Conclusions

6.1.1 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.

6.1.2 The purpose of this report is to provide details of the construction noise assessment undertaken to determine the likelihood of significant effects due to construction noise arising from construction of the Proposed Development.

6.1.3 This report sets out the approach taken to predict construction noise levels, the results of the predictions and determination of significance, taking into account the likely duration of the construction activities affecting each Receptor location, and requirements for additional mitigation to avoid the significant effects identified.

6.1.4 The results of the assessment are summarised below in **Section 6.2 Residential Receptors** for residential premises, and in **Section 6.3 Non-residential Receptors** for non-domestic premises.

## 6.2 Residential Receptors

6.2.1 The initial assessment of construction noise, presented in **Section 3 Construction noise assessment: residential Receptors** indicated potentially significant effects at various locations throughout the construction programme. With reference to **Table 3.2 Construction noise assessment, summary of results: residential Receptors**, potentially significant effects were indicated at:

- The dwellings at/closest to New Bridge Lane (R2 – R5) during core hours works on overlapping activities/elements of the Proposed Development, and during certain out-of-core-hours works;
- Dwellings in close proximity to the Grid Connection (R44 – R49) during out-of-core-hours works on the Grid Connection; and
- Dwellings in close proximity to the northern end of the CHP Connection Corridor (R31 – R39).

6.2.2 With reference to the determination of significance, presented in **Section 3.2 Determination of Significance**, which considered the durations of each activity and the absolute levels of predicted construction noise and baseline sound, significant effects were confirmed as follows:

- Potentially significant effects in month 2 to month 8 at R2 and R3 during core hours works on the EfW CHP Facility Site and Access Improvements are confirmed as Significant;
- Potentially significant effects in month 16 to month 18 at R2, R3 and R4 during out-of-core-hours works on the Grid Connection, Water Connections and EfW CHP Facility Site M&E are confirmed as Significant;

- In the case of the HDD option for the Water Connections crossing of the A47, potentially significant effects in month 16 to month 18 at R2, R3, R4 and R5 during out-of-core-hours works on the Grid Connection, Water Connections and EfW CHP Facility Site M&E are confirmed as Significant;
- Potentially significant effects in month 18 to month 22 at R2 and R3 during daytime works on the EfW CHP Facility Site roads and hardstandings, M&E and plant installation are confirmed as Significant;
- Potentially significant effects in month 25 at R3 during daytime works on the EfW CHP Facility Site structures, M&E, plant installation and CHP Connection site clearance are confirmed as Significant; and
- Potentially significant effects in months 34 to 43 at R3 during daytime works on the EfW CHP Facility Site structures, M&E, plant installation and CHP Connection site clearance are confirmed as Significant.

6.2.3 At all other Receptor locations, and at all times during the construction programme, construction noise was found to result in effects that are Not Significant. Notwithstanding the above, construction noise should still be managed and reduced wherever possible, at all times during the construction of the Proposed Development, to minimise any residual impacts.

6.2.4 This is particularly the case at Receptors where exceedances of the BS 5228-1 threshold are predicted, but where the duration of impacts are so low that significant effects would be avoided: at Receptors close to the northern end of the CHP Connection Corridor, and at Receptors in close proximity to the installation of the Grid Connection and at Receptors near to the Water Connection crossing of the A47 in the case of the open trench option.

## Additional mitigation

6.2.5 Requirements for additional mitigation will be confirmed when detailed construction programmes are available. At such time, overall plant sound powers for a given element of the Proposed Development may be reduced, as set out in **Section 5.2 Consideration of reduced noise levels based on draft detailed programme for the Access Improvements**. However, more significant plant requirements could also be possible, which would necessitate further requirements for additional mitigation.

6.2.6 On the basis of the above, the results of the assessment and predicted exceedances of the BS 5228-1 thresholds, requirements for additional mitigation were described in **Section 5**, and are summarised below.

### *Access Improvements*

6.2.7 Significant effects were identified at Receptors 2 and 3 during daytime works in months 2 to 8. Exceedances of the threshold are predicted to be between 7 and 12 dB and are primarily due to construction activities for the Access Improvements.

6.2.8 Consideration of a draft detailed construction programme indicated that construction noise levels due to works on the Access Improvements would be around 7 dB lower than predicted. On this basis, a further 5 dB attenuation would be required to avoid

the significant effects identified. It is considered that, with management of noisy activities associated with the Access Improvements, a 5 dB attenuation will be readily achievable, and that significant effects will be avoided.

6.2.9 Measures to achieve 6 dB attenuation could consist of programming of activities to avoid overlapping intensive works in the vicinity of Receptors 2 and 3, selection of quieter plant and provision of local screening.

6.2.10 However, to avoid significant effects during the operational phase the dwelling at Receptor 2 (9 New Bridge Lane) will be subject to compulsory acquisition by the Applicant. To avoid significant effects during the operational phase at Receptor 3 (10 New Bridge Lane), an acoustic barrier is proposed. Subject to these additional mitigation measures being implemented prior to the start of construction, reduced requirements for noise management may be indicated.

6.2.11 Therefore, through the removal of Receptor 2 through compulsory acquisition, the additional screening provided by the acoustic barrier to Receptor 3, and/or the provision of mitigation measures to reduce construction noise levels at Receptor 3, the significant effects identified will be reduced such that they are Not Significant.

### *Grid Connection and Water Connection along New Bridge Lane*

6.2.12 Significant effects were confirmed at Receptors 2 to 4 during out-of-core-hours works in month 16 to month 18 for the Grid Connection and Water Connection along New Bridge Lane. Predicted excesses of construction noise levels above the threshold values were between 5 and 15 dB. It is considered that the duration of the works would likely not exceed the temporal threshold for triggering eligibility for noise insulation.

6.2.13 On the basis of the above, at least 15 dB attenuation would be required to avoid the significant effects identified. Measures to achieve at least 15 dB attenuation could consist of programming of activities to avoid overlapping intensive works in the vicinity of Receptors 2 to 4, selection of quieter plant and provision of local screening.

6.2.14 Therefore, with the removal of Receptor 2 through compulsory acquisition, the additional screening provided by the acoustic barrier to Receptor 3, and additional mitigation measures to reduce construction noise levels at Receptor 4, determined based on consideration of the detailed construction programme, the significant effects identified will be reduced such that they are Not Significant.

### *Construction activities for Water Connection – A47 Crossing (HDD option)*

6.2.15 Significant effects were confirmed at Receptors 2 to 5 during out-of-core-hours construction activities in months 16 to 18 for the Water Connections crossing of the A47 – HDD option. The predicted excess of construction noise levels above the threshold values are between 1 and 7 dB, with the greatest exceedances of 7 dB predicted at Receptor 4 and exceedances of 1 to 2 dB predicted at Receptors 2, 3 and 5. The duration of the works could exceed the temporal threshold for triggering eligibility for noise insulation.

6.2.16 On the basis of the above, at least 7 dB attenuation would be required to avoid the significant effects identified. Measures to achieve at least 7 dB attenuation could

consist of selection of quieter plant and provision of local screening. It is considered that the potential for local screening to achieve the necessary attenuation is significant, as the primary noise sources are pumps and generators, which will remain static and are of low height.

6.2.17 Determination of the precise mitigation requirements will be undertaken when there is a confirmed construction programme. If the mitigation measures outlined above cannot reduce construction noise levels sufficiently to reduce the significance of effects, then provision of additional noise insulation may be required.

6.2.18 However, Receptor 5 is Newbridge Lane Caravan Park, and provision of additional noise insulation is unlikely to be a viable option. As the predicted exceedance of the threshold is 1 dB at Receptor 5, it should be feasible to provide adequate measures that achieve sufficient attenuation to avoid significant effects at Receptor 5. It is recognised that the Caravan Park is composed of mobile homes without the benefit of sound insulation of traditional brick-built dwellings, and as such may have a lower threshold of sensitivity than occupants of brick-built housing.

6.2.19 The use of the open trench method as a lower noise, and lower duration, alternative would therefore be considered as a preferrable option to mitigate noise impacts during installation of the Water Connection under the A47.

6.2.20 Therefore, with the removal of Receptor 2 through compulsory acquisition, the additional screening provided by the acoustic barrier to Receptor 3, and either through the provision of mitigation measures to reduce construction noise levels at Receptors 4 and 5, or through the use of an alternative construction method (open trench option), the significant effects identified will be reduced such that they are Not Significant.

### *Construction activities for Water Connection – A47 Crossing (Open trench option)*

6.2.21 Significant effects were confirmed at Receptors 2 to 4 during out-of-core-hours construction activities in months 16 to 18 for the Water Connections crossing of the A47 – open trench option. The predicted construction noise levels are between 1 to 2 dB above the threshold value.

6.2.22 On the basis of the above, at least 2 dB attenuation would be required to avoid the significant effects identified. Such an attenuation would be readily achievable and could consist of selection of quieter plant and provision of local screening.

6.2.23 Therefore, with the removal of Receptor 2 through compulsory acquisition, the additional screening provided by the acoustic barrier to Receptor 3, and through the provision of mitigation measures to reduce construction noise levels at Receptor 4, the significant effects identified will be reduced such that they are Not Significant.

### *Construction activities for Grid Connection along A47*

6.2.24 Potentially significant effects were identified, at Receptors 44 to 49, during out-of-core-hours construction activities in months 18 to 22 for the Grid Connection. Predicted exceedances of the threshold levels are between 10 to 17 dB. As the duration of the works would be limited, and worst-case construction noise levels would only occur on one or two evenings/nights, it is considered that the potentially significant effects identified are Not Significant. However, construction noise levels

should still be controlled as far as reasonably practicable. Additional efforts to control construction noise should be undertaken if constructing this element during the summer months, when the sensitivity of nearby Receptors would be slightly increased.

6.2.25 Between 10 to 17 dB attenuation would be required to avoid any exceedance of the BS 5228-1 threshold values. Measures to achieve this attenuation could consist of selection of quieter plant, provision of local screening, or reducing the intensity of the works. However, reducing the intensity of the works would likely entail extending the duration of the works and hence would increase impacts to road traffic during extended road closures. A balance could be struck by extending the duration of the works slightly, to reduce the intensity of the works, whilst ensuring that any residual impacts were also of limited duration (i.e., worst-case noise levels only occurring over, for example, up to a week).

### *Construction activities for northern end of CHP Connection Corridor*

6.2.26 Potentially significant effects were identified at Receptors 31 to 39 during daytime construction activities at the northern end of the CHP Connection Corridor in months 25 to 31, during site clearance, installation of foundations and installation of the pipeline. It is anticipated that worst-case sound levels may only be experienced over a limited duration, likely less than one day, for each phase of construction of the CHP Connection. Based on the limited duration of impacts, it is considered that the potentially significant effects identified are Not Significant. However, construction noise levels should still be reduced and controlled as far as reasonably practicable to minimise any residual impacts.

6.2.27 Measures to reduce and control construction noise levels could consist of selection of quieter plant, provision of local screening, or reducing the intensity of the works.

### *Commissioning and testing*

6.2.28 Significant effects were confirmed at Receptor 2 during out-of-core-hours activities for the commissioning and testing of the EfW CHP Facility in months 34 to 43. The predicted construction noise levels are 2 dB above the threshold value.

6.2.29 With the removal of Receptor 2 through compulsory acquisition, the significant effects identified will be reduced such that they are Not Significant.

## 6.3 Non-residential Receptors

6.3.1 The initial assessment of construction noise at non-residential premises, presented in **Section 4 Construction noise assessment: non-residential Receptors**, indicated potentially significant effects at various locations throughout the construction programme. With reference to **Table 4.2 Construction noise assessment, summary of results: non-residential Receptors**, potentially significant effects were indicated at the nearest industrial and commercial premises to the EfW CHP Facility Site, and also at the Cambian School and The Eye Clinic, at various stages of the construction programme.

6.3.2 With reference to the determination of significance, presented in **Section 4.2 Determination of Significance**, which considered the durations of each activity and the absolute levels of predicted construction noise and baseline sound, significant effects were confirmed as follows:

- Potentially significant effects in month 1 at R22 and R23 during core hours works on mobilisation at the TCC are confirmed as Significant;
- Potentially significant effects in month 2 to month 8 at R16, R18, R22, R23 and R24 during site mobilisation at the EfW CHP Facility Site, EfW CHP Facility Site earthworks and the Access Improvements are confirmed as Significant;
- Potentially significant effects in month 8 at R16, R22 and R24 during core hours works on the EfW CHP Facility Site earthworks are confirmed as Significant;
- Potentially significant effects in month 10 to month 12 at R16, R22 and R24 during core hours works on the EfW CHP Facility Site foundations and plant installation are confirmed as Significant;
- Potentially significant effects in month 12 to month 16 at R16, R22 and R24 during core hours works on the EfW CHP Facility Site foundations, M&E and plant installation are confirmed as Significant;
- Potentially significant effects in month 16 to month 18 at R16, R22 and R24 during core hours works on the EfW CHP Facility Site foundations, M&E and plant installation are confirmed as Significant;
- Potentially significant effects in month 18 to month 22 at R16, R17, R22 and R24 during core hours works on EfW CHP Facility Site roads and hardstandings, structures, M&E and plant installation are confirmed as Significant;
- Potentially significant effects in month 22 to month 25 at R16, R22 and R24 during core hours works on the EfW CHP Facility Site structures, M&E and plant installation are confirmed as Significant;
- Potentially significant effects in month 25 at R16, R22 and R24 during core hours works on the EfW CHP Facility Site structures, M&E, plant installation and clearance of the southern end of the CHP Connection Corridor are confirmed as Significant;
- Potentially significant effects in month 26 to month 30 at R16, R22 and R24 during core hours works on the EfW CHP Facility Site structures, M&E, plant installation and installation of foundations for the southern end of the CHP Connection are confirmed as Significant;
- Potentially significant effects in month 31 at R16, R22 and R24 during core hours works on the EfW CHP Facility Site structures, M&E, plant installation and installation of the CHP Connection at the southern end of the CHP Connection Corridor are confirmed as Significant;
- Potentially significant effects in months 31 to 34 at R16, R22 and R24 during core hours works on the EfW CHP Facility Site structures and plant installation are confirmed as Significant;

- Potentially significant effects in months 34 to 36 at R16, R22 and R24 during core hours works on the EfW CHP Facility Site structures and commissioning an testing are confirmed as Significant; and
- Potentially significant effects in months 36 to 43 at R16, during core hours works on the commissioning and testing of the EfW CHP Facility are confirmed as Significant.

6.3.3 Consideration of the absolute level of predicted construction noise and baseline sound indicates that significant effects would be avoided at the School and The Eye Clinic. At all other industrial and commercial Receptor locations, and at all times during the construction programme, construction noise was found to result in effects that are Not Significant. Notwithstanding the above, construction noise should still be managed and reduced wherever possible, at all times during the construction of the Proposed Development, to minimise any residual impacts.

## Additional mitigation

6.3.4 Requirements for additional mitigation will be confirmed when detailed construction programmes are available. At such time, overall plant sound powers for a given element of the Proposed Development may be reduced, as set out in **Section 5.2 Consideration of reduced noise levels based on draft detailed programme for the Access Improvements**. However, more significant plant requirements could also be possible, which would necessitate further requirements for additional mitigation.

### *Consideration of likelihood of significant adverse effects*

6.3.5 The threshold for a high magnitude impact was determined on the basis of avoiding a total ambient sound level of 75 dBA. In general, for most locations on industrial and commercial premises, construction sound levels below 70 dBA are unlikely to be problematic. With regard to the baseline sound levels, which are sound 55 – 58 dB $L_{Aeq,T}$ during the daytime, construction sound levels below 70 dBA are most unlikely to give rise to an exceedance of a total ambient sound level of 75 dBA. With reference to the BS 5228-1 criteria referred to in **Table 2.5 Impact magnitudes of construction noise affecting non-residential Receptors**, a total ambient noise level of 75 dBA is considered to be an appropriate noise limit that would apply at specific industrial and commercial Receptor locations which are confirmed as noise sensitive.

6.3.6 Construction noise levels above 70 dBA are increasingly likely to give rise to an exceedance of a total ambient sound level of 75 dBA, and are more likely to be problematic, potentially for both lesser sensitive parts of industrial and commercial premises (such as façades where there are no activities taking place and materials storage areas with minimal or no mobile plant/vehicle movements) and more noise sensitive parts of industrial and commercial premises (façades containing office spaces and external areas where there are significant mobile plant/vehicle movements and personnel moving around the site on foot).

6.3.7 Significant effects have been identified at the Receptors closest to the EfW CHP Facility Site and TCC on the basis of Receptor locations representative of the nearest points on nearby industrial and commercial premises to the EfW CHP

Facility Site boundary. It is considered that the potential for actual impacts should be confirmed by liaison with the operators of the adjacent industrial and commercial premises, to confirm precise locations where noise sensitive activities occur or where there is potential for construction noise to interfere with the audibility of plant/vehicle movement alarms.

### *Mitigation to avoid and reduce significant adverse effects*

6.3.8 On the basis of the above, requirements for additional mitigation were described in **Section 5**, and are reproduced below.

6.3.9 Confirmation of noise sensitive locations through liaison with the operators of the adjacent industrial and commercial premise may be used to determine appropriate boundary noise monitoring locations at specific points on the EfW CHP Facility Site boundary representative of noise sensitive locations.

6.3.10 The site boundary construction noise level criteria may be determined based on the distance from the boundary locations to the noise sensitive locations identified by the site operators, accounting for propagation distance and the sensitivity of the location identified.

6.3.11 In general, noise levels from construction activities should be monitored to ensure that a total ambient sound level of 75 dB $L_{Aeq,T}$ is not exceeded at any noise sensitive location identified by the site operators. Where measured construction sound levels exceed the construction noise level criteria, action should be taken to investigate the cause of the exceedance and identify appropriate measures to reduce noise emissions from the specific activities giving rise to the exceedances.

6.3.12 Measures to control and reduce construction noise emissions giving rise to any exceedances that may cause adverse effects may include, but not be limited to (in order of effectiveness, following the ‘source, path, receiver' hierarchy of noise control):

- Selection of quieter plant;
- Reducing intensity of works;
- Scheduling works to avoid multiple activities near to noise sensitive locations;
- Scheduling works to avoid noise sensitive times of day;
- Provision of local screening;
- Provision of boundary screening;
- Provision of enhanced façade treatments to reduce received construction noise levels in office spaces; and
- Provision of plant movement alarms, for plant operating in nearby premises, that vary the loudness level according to ambient noise levels.

6.3.13 On the basis of the approach set out above, entailing liaison with occupiers of nearby industrial and commercial premises, determination of appropriate site boundary construction noise levels, monitoring of construction noise levels at key boundary locations, investigation of exceedances of the criteria and implementation of

mitigation measures to reduce and avoid any exceedances identified, it is considered that significant effects would be avoided.

# 7. References

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

British Standards Institution (2014). British Standard 8233:2014 Guidance on sound insulation and noise reduction for buildings. BSI.

DEFRA, 2010. Noise Policy Statement for England.

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.

National Institute for Occupational Safety & Health (United States). 'All_tools_SWLA.pdf'. Access online 11 February 2022

# Annex A
# Plant lists and noise level data

| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| **TCC mobilisation** | Stripping off and storing of top soil, installing geotextile matting, 300m of compacted hardcore, 100mm of compacted type 1. | C2.2 Tracked excavator | 2 | 75 | 105 | 107 |
| | | C2.10 Dozer | 2 | 75 | 108 | 110 |
| | | C2.27 Wheeled loader | 2 | 75 | 108 | 110 |
| | | C2.32 Articulated dump truck (tipping fill) | 2 | 50 | 102 | 102 |
| | | C2.33 Articulated dump truck | 2 | 50 | 109 | 109 |
| | | C2.45 Water pump | 2 | 100 | 93 | 96 |
| | | C2.37 Roller (rolling fill) | 2 | 50 | 108 | 108 |
| | **Total sound power:** | | | | | **116** |
| **TCC & EfW CHP Facility Site mobilisation** | Construction compound incl offices, stores, car parking, utility set up, boundary creation and access arrangements from Algores Way. | C4.39 Mobile telescopic crane | 1 | 50 | 105 | 102 |
| | | C4.91 Dust suppression unit trailer | 1 | 75 | 107 | 105 |
| | | C2.27 Wheeled loader | 2 | 50 | 108 | 108 |
| | | C8.20 Tipper lorry | 1 | 50 | 107 | 104 |
| | Demolition of existing waste transfer building and any other structures. | C2.7 Tracked excavator | 2 | 75 | 98 | 99 |
| | | C2.10 Dozer | 1 | 75 | 108 | 107 |
| | | C2.8 Wheeled backhoe loader | 1 | 75 | 96 | 95 |

| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| | | C1.5 Pulverizer mounted on excavator | 2 | 50 | 100 | 100 |
| | | C4.4 Dumper | 2 | 50 | 104 | 104 |
| | | C5.1 Backhoe mounted hydraulic breaker | 1 | 50 | 117 | 114 |
| | | C10.14 Screen stockpiler | 1 | 50 | 109 | 106 |
| | | C1.20 Lump hammer | 2 | 25 | 109 | 106 |
| | | C1.15 Tracked crusher | 1 | 75 | 112 | 110 |
| | | C5.30 Asphalt paver (+ tipper lorry) | 1 | 50 | 104 | 101 |
| | | C4.21 Large lorry concrete mixer | 5 | 33 | 105 | 107 |
| | | C4.82 Diesel generator | 1 | 100 | 84 | 84 |
| | | C4.76 Diesel generator | 5 | 100 | 89 | 96 |
| | **Total sound power:** | | | | | **119** |
| **TCC activity, daytime (First 5 months only. All months after: telescopic handler only)** | Diesel generators for power supply prior to mains connection. Telescopic handler moving materials. | C4.84 Diesel generator | 4 | 100 | 102 | 108 |
| | | C2.35 Telescopic handler | 2 | 50 | 99 | 99 |

| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| | **Total sound power:** | | | | | **108** |
| **TCC, night-time (First 5 months)** | Diesel generators for power supply prior to mains connection | C4.82 Diesel generator | 1 | 100 | 84 | 84 |
| | | C4.76 Diesel generator | 5 | 100 | 89 | 96 |
| | Total sound power: | | | | | 97 |
| **Access Improvements** | Road works on New Bridge Lane. | C5.31 Asphalt paver (+ tipper lorry) | 1 | 75 | 105 | 103 |
| | | C5.25 Vibratory roller | 1 | 50 | 103 | 100 |
| | | C2.41 Vibratory plate (petrol) | 1 | 50 | 108 | 105 |
| | | C5.5 Compressor for hand-held pneumatic breaker | 2 | 75 | 94 | 95 |
| | | C5.7 Road planer | 1 | 50 | 110 | 107 |
| | | C1.16 Tracked excavator | 1 | 50 | 110 | 107 |
| | | C4.3 Dumper | 2 | 50 | 104 | 104 |
| | | C8.20 Tipper lorry | 1 | 50 | 107 | 104 |
| | | C4.21 Large lorry concrete mixer | 1 | 75 | 105 | 104 |
| | **Total sound power:** | | | | | **114** |

| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| **Water Connection (daytime - all plant, night-time - pumps and generators only)** | HDD under A47. | C3.21 Crawler mounted rig | 1 | 100 | 107 | 107 |
| | | C4.92 Mounting supports for directional drill (hydraulic hammer) | 1 | 100 | 115 | 115 |
| | | C4.96 Directional drill (generator) | 2 | 100 | 106 | 109 |
| | | C3.25 Concrete pump | 2 | 100 | 106 | 109 |
| | | C4.80 Diesel generator | 2 | 100 | 88 | 91 |
| | | C6.13 Dump truck | 1 | 100 | 120 | 120 |
| | | C2.2 Tracked excavator | 1 | 100 | 105 | 105 |
| | **Total sound power:** | | | | | **122** |
| **Water Connection** | Open trench through A47 (worst-case) | C4.72 Hand-held circular saw (petrol- cutting concrete blocks) | 1 | 100 | 107 | 107 |
| | | C8.20 Tipper lorry | 1 | 0 | 107 | |
| | | C2.2 Tracked excavator | 1 | 0 | 105 | |
| | **Total sound power:** | | | | | **107** |
| **EfW CHP Facility Site earthworks** | Earthworks and piling, dewatering (if required), waste | C2.14 Tracked excavator | 4 | 75 | 107 | 112 |
| | | C2.10 Dozer | 3 | 50 | 108 | 110 |

| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| | bunkers created via piled retaining walls, material excavated from bunkers re-used on site where possible. | D4.98 Continuous flight auger injected piling (Spectra from C3.27) | 2 | 75 | 108 | 110 |
| | | C3.12 Rig power pack | 1 | 75 | 91 | 89 |
| | | C2.45 Water pump | 4 | 100 | 93 | 99 |
| | | C3.28 Tracked mobile crane | 2 | 75 | 95 | 96 |
| | **Total sound power:** | | | | | **115** |
| **EfW CHP Facility Site foundations** | Concrete Pour for EfW foundation and hardstandings | C4.24 Concrete pump + cement mixer truck (discharging) | 1 | 75 | 96 | 94 |
| | | C4.26 Concrete pump + concrete mixer truck (idling) | 1 | 75 | 103 | 102 |
| | | C4.34 Poker vibrator | 4 | 75 | 97 | 101 |
| | | D6.44 Power Float | 4 | 75 | 100 | 105 |
| | **Total sound power:** | | | | | **108** |
| **EfW CHP Facility Site roads and hardstandings** | Grading of access routes will be required to provide a constant grade across site | C5.31 Asphalt paver (+ tipper lorry) | 1 | 75 | 105 | 103 |
| | | C5.25 Vibratory roller | 2 | 50 | 103 | 103 |
| | | C2.41 Vibratory plate (petrol) | 1 | 50 | 108 | 105 |
| | | C5.5 Compressor for hand-held pneumatic breaker | 2 | 75 | 94 | 95 |

| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| | | C8.20 Tipper lorry | 2 | 50 | 107 | 107 |
| | | C4.63 Tracked excavator | 3 | 50 | 105 | 107 |
| | | C4.21 Large lorry concrete mixer | 1 | 75 | 105 | 104 |
| | **Total sound power, corrected for on time, dBA LW** | | | | | **113** |
| **EfW CHP Facility Site structures (Civil)** | Erection of concrete structures, steelwork framing, roof and wall cladding for main and ancillary buildings | C3.30 Wheeled mobile crane | 3 | 75 | 98 | 102 |
| | | C4.51 Tracked mobile crane (idling) | 2 | 50 | 94 | 94 |
| | | C4.60 Diesel scissor lift (idling) | 4 | 50 | 98 | 101 |
| | | C4.58 Lifting platform (idling) | 4 | 50 | 91 | 94 |
| | | C3.32 Generator for welding | 2 | 75 | 101 | 103 |
| | | C3.31 Hand-held welder (welding piles) | 2 | 75 | 101 | 103 |
| | | C4.93 Angle grinder (grinding steel) | 2 | 75 | 109 | 110 |
| | | C1.20 Lump hammer | 2 | 25 | 109 | 106 |
| | | C2.34 Lorry | 2 | 50 | 108 | 108 |
| | | C4.24 Concrete pump + cement mixer truck (discharging) | 2 | 75 | 96 | 97 |
| | | C4.34 Poker vibrator | 4 | 25 | 97 | 97 |

| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| | | C4.72 Hand-held circular saw (petrol- cutting concrete blocks) | 4 | 25 | 107 | 107 |
| | | C5.5 Compressor for hand-held pneumatic breaker | 1 | 75 | 94 | 92 |
| | | C4.55 Telescopic handler | 3 | 50 | 99 | 100 |
| | **Total sound power:** | | | | | **116** |
| **EfW CHP Facility Site M&E** | Installation of mechanical and electrical equipment. | C3.30 Wheeled mobile crane | 4 | 75 | 98 | 103 |
| | | C3.32 Generator for welding | 6 | 75 | 101 | 108 |
| | | C3.31 Hand-held welder (welding piles) | 6 | 75 | 101 | 107 |
| | | C4.93 Angle grinder (grinding steel) | 6 | 75 | 109 | 115 |
| | | C2.34 Lorry | 1 | 50 | 108 | 105 |
| | | C4.57 Lifting platform | 4 | 25 | 95 | 95 |
| | | C5.5 Compressor for hand-held pneumatic breaker | 1 | 75 | 94 | 92 |
| | | C4.60 Diesel scissor lift (idling) | 2 | 50 | 98 | 98 |
| | | C4.72 Hand-held circular saw (petrol-cutting concrete blocks) | 0 | 25 | 107 | |
| | | C4.51 Tracked mobile crane (idling) | 2 | 50 | 94 | 94 |

| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| | | C4.55 Telescopic handler | 2 | 50 | 99 | 99 |
| | **Total sound power:** | | | | | **117** |
| **EfW CHP Facility Site M&E (out-of-core-hours construction activity)** | Installation of mechanical and electrical equipment. | C3.30 Wheeled mobile crane | 0 | 75 | 98 | |
| | | C3.32 Generator for welding | 0 | 75 | 101 | |
| | | C3.31 Hand-held welder (welding piles) | 2 | 75 | 101 | 103 |
| | | C4.93 Angle grinder (grinding steel) | 2 | 75 | 109 | 110 |
| | | C2.34 Lorry | 1 | 50 | 108 | 105 |
| | | C4.57 Lifting platform | 2 | 25 | 95 | 92 |
| | | C5.5 Compressor for hand-held pneumatic breaker | 0 | 75 | 94 | |
| | | C4.60 Diesel scissor lift (idling) | 2 | 50 | 98 | 98 |
| | | C4.72 Hand-held circular saw (petrol-cutting concrete blocks) | 0 | 25 | 107 | |
| | | C4.51 Tracked mobile crane (idling) | 0 | 50 | 94 | |
| | | C4.55 Telescopic handler | 1 | 50 | 99 | 96 |
| | **Total sound power:** | | | | | **112** |
| | | C3.30 Wheeled mobile crane | 2 | 75 | 98 | 100 |

| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| **EfW CHP Facility Site plant installation** | Installation of grate and boiler works, ACC, turbine, water treatment plant and APC system | C3.32 Generator for welding | 2 | 75 | 101 | 103 |
| | | C3.31 Hand-held welder (welding piles) | 2 | 75 | 101 | 103 |
| | | C4.93 Angle grinder (grinding steel) | 2 | 75 | 109 | 110 |
| | | C2.34 Lorry | 1 | 50 | 108 | 105 |
| | | C4.57 Lifting platform | 4 | 25 | 95 | 95 |
| | | C5.5 Compressor for hand-held pneumatic breaker | 1 | 75 | 94 | 92 |
| | | C4.55 Telescopic handler | 2 | 50 | 99 | 99 |
| | **Total sound power:** | | | | | **113** |
| **CHP Connection site clearance** | Vegetation clearance | C2.2 Tracked excavator | 2 | 75 | 105 | 107 |
| | | D2.14. Petrol driven chain saw | 2 | 50 | 114 | 114 |
| | | C2.33 Articulated dump truck | 2 | 50 | 109 | 109 |
| | | C2.27 Wheeled loader | 2 | 75 | 108 | 110 |
| | **Total sound power:** | | | | | **117** |
| **CHP Connection foundations** | Foundations will be constructed using a | C2.14 Tracked excavator | 1 | 50 | 107 | 104 |

| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| | method yet to be determined. | C1.1 Breaker mounted on wheeled backhoe | 1 | 50 | 120 | 117 |
| | | C4.55 Telescopic handler | 1 | 50 | 99 | 96 |
| | **Total sound power:** | | | | | **118** |
| **CHP Connection install** | Steel framework for pipeline | C4.55 Telescopic handler | 1 | 50 | 99 | 96 |
| | | C3.32 Generator for welding | 2 | 75 | 101 | 103 |
| | | C3.31 Hand-held welder (welding piles) | 2 | 75 | 101 | 103 |
| | | C4.93 Angle grinder (grinding steel) | 2 | 75 | 109 | 110 |
| | | C1.20 Lump hammer | 1 | 25 | 109 | 103 |
| | | C2.34 Lorry | 1 | 50 | 108 | 105 |
| | | C4.55 Telescopic handler | 1 | 50 | 99 | 96 |
| | **Total sound power:** | | | | | **113** |
| **CHP Connection install,** | Steel framework for pipeline then constructed. | C3.30 Wheeled mobile crane | 1 | 100 | 98 | 98 |
| | | C3.32 Generator for welding | 1 | 100 | 101 | 101 |

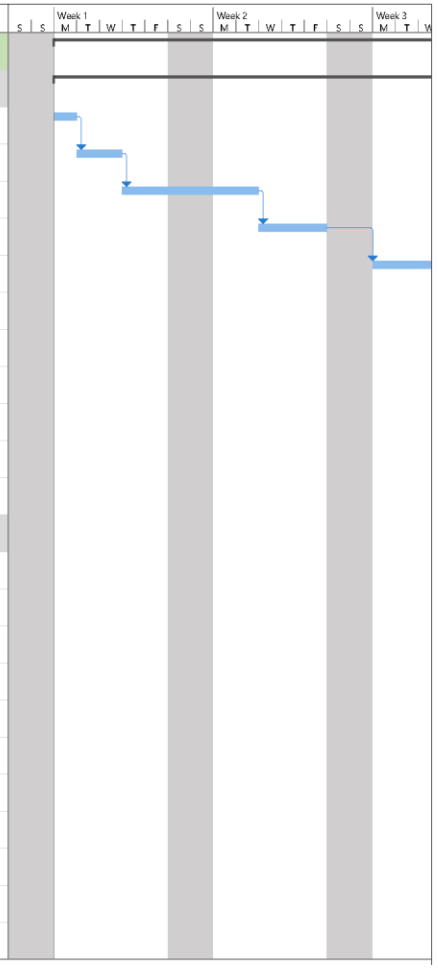
| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| **Weasenham Lane crossing** | | C3.31 Hand-held welder (welding piles) | 1 | 100 | 101 | 101 |
| | | Impact Wrench (NIOSH, spectra from C4.93) | 1 | 100 | 107 | 107 |
| | | C1.20 Lump hammer | 1 | 100 | 109 | 109 |
| | | C2.34 Lorry | 1 | 100 | 108 | 108 |
| | | C4.57 Lifting platform | 2 | 100 | 95 | 98 |
| | | C4.55 Telescopic handler | 1 | 100 | 99 | 99 |
| | **Total sound power:** | | | | | **114** |
| **Grid Connection cable install (Along A47)** | Cable installed by open cut trenching. | C2.2 Tracked excavator | 2 | 75 | 105 | 107 |
| | | C2.32 Articulated dump truck (tipping fill) | 2 | 50 | 102 | 102 |
| | | C2.33 Articulated dump truck | 2 | 50 | 109 | 109 |
| | | C2.37 Roller (rolling fill) | 2 | 50 | 108 | 108 |
| | | C2.34 Lorry | 1 | 50 | 108 | 105 |
| | **Total sound power:** | | | | | **113** |
| **Grid Connection cable Install (EfW CHP Facility Site to** | Cable installed by open cut trenching. | C2.2 Tracked excavator | 1 | 75 | 105 | 104 |
| | | C2.32 Articulated dump truck (tipping fill) | 1 | 50 | 102 | 99 |

| Construction activity | Activity Description | Plant Noise Level Data | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|---|
| **A47 & A47 to Walsoken Substation)** | | C2.33 Articulated dump truck | 1 | 50 | 109 | 105 |
| | | C2.37 Roller (rolling fill) | 1 | 50 | 108 | 105 |
| | | C2.34 Lorry | 1 | 50 | 108 | 105 |
| | **Total sound power:** | | | | | **111** |
| **Walsoken Substation** | Soil strip, earth bund, concrete pads, crane in equipment, landscaping. | C2.2 Tracked excavator | 1 | 33 | 105 | 100 |
| | | C3.30 Wheeled mobile crane | 1 | 20 | 98 | 91 |
| | | C2.33 Articulated dump truck | 1 | 20 | 109 | 102 |
| | | C2.37 Roller (rolling fill) | 1 | 10 | 108 | 98 |
| | | C2.34 Lorry | 1 | 33 | 108 | 103 |
| | **Total sound power:** | | | | | **107** |

# Annex B
# Consideration of the reduction in predicted noise levels for the Access Improvements based on draft detailed programme

# Draft detailed construction programme for Access Improvements

| ID | Task Mode | Task Name | Duration | Start | Finish | Predecess | Material Qants | Output | Plant |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | **NEW BRIDGE LANE WORKS** | **74 days** | **Mon 21/02/2** | **Thu 02/06/2** | | | | |
| 2 | | **PHASE 1 - COPART to RAILWAY** | **39 days** | **Mon 21/02/2** | **Thu 14/04/2** | | | | |
| 3 | | Pre Start Setting out Works | 1 day | Mon 21/02/2 | Mon 21/02/2 | | | | None |
| 4 | | Remove Existing Road Surface | 2 days | Tue 22/02/22 | Wed 23/02/2 | 3 | 220 m3 | 110 m3 / day | Vogele Road Planner + Road Brush + 1 x 3cx |
| 5 | | Reduce Level Dig | 4 days | Thu 24/02/22 | Tue 01/03/22 | 4 | 760 m2 | 175 m2 / day | 1 x Excavator + 2 x 9t Dumpers + Hand Held Breaker |
| 6 | | Installation of Subbase | 3 days | Wed 02/03/2 | Fri 04/03/22 | 5 | 325 m3 | 150 m3 / day + 1 day for working around services | 1 x Excavator + 1 x Double Drum Roller + 36 x Aggregate Deliveries |
| 7 | | Drainage Installation Works | 4 days | Mon 07/03/2 | Thu 10/03/22 | 6 | | | 1 x Excavator + 1 x Vibrating Plate |
| 8 | | Culvert Installation | 7 days | Fri 11/03/22 | Mon 21/03/2 | 7 | 1 | | 1 x Excavator + 1 x Vibrating Plate |
| 9 | | Installation of Kerb Foundation | 4 days | Tue 22/03/22 | Fri 25/03/22 | 7,8 | 25m3 | 3 days formwork + 1 day Conc | 1 x Excavator + 4 x Concrete Deliveries |
| 10 | | Installation of Kerbs and Backing | 7 days | Mon 28/03/2 | Tue 05/04/22 | 9 | 190 mts | 5 mts/ hour + 2 day for haunch | 1 x Excavator with lifting attachment + 4 x Concrete Deliveries |
| 11 | | Final Road Trim | 3 days | Wed 06/04/2 | Fri 08/04/22 | 10 | | | 1 x Excavator + Double Drum Roller + 5 x Aggregate Deliveries |
| 12 | | Installation of Tarmac Road | 2 days | Mon 11/04/2 | Tue 12/04/22 | 11 | 725m2 | 140 m2/hr however would be minimu of 2 days | 1 x Paver + 1 x Tack Coat Tanker + 2 x Double Drum Rollers + 1 x 3cx + 8 x Tarmac Deliveries |
| 13 | | Landscaping & Street Furniture | 2 days | Wed 13/04/2 | Thu 14/04/22 | 12 | | | 1 x 3cx + 1 x 9t Dumper + 1 x Road Brush |
| 14 | | **PHASE 2 - RAILWAY to No10** | **49 days** | **Mon 28/03/2** | **Thu 02/06/2** | | | | |
| 15 | | Pre Start Setting out Works | 1 day | Mon 28/03/2 | Mon 28/03/2 | 10SS | | | None |
| 16 | | Remove Existing Road Surface | 1 day | Tue 29/03/22 | Tue 29/03/22 | 15 | 104 m3 | 110 m3 / day | Vogele Road Planner + Road Brush + 1 x 3cx |
| 17 | | Reduce Level Dig | 6 days | Wed 30/03/2 | Wed 06/04/2 | 16 | 1100 m2 | 175 m2 / day | 1 x Excavator + 2 x 9t Dumpers + Hand Held Breaker |
| 18 | | Installation of Subbase | 5 days | Thu 07/04/22 | Wed 13/04/2 | 17 | 500 m3 | 150 m3 / day + 1 day for working around services | 1 x Excavator + 1 x Double Drum Roller + 55 x Aggregate Deliveries |
| 19 | | Drainage Installation Works | 6 days | Thu 14/04/22 | Thu 21/04/22 | 18 | | | 1 x Excavator + 1 x Vibrating Plate |
| 20 | | EfW Power & Water Installation | 5 days | Fri 22/04/22 | Thu 28/04/22 | 19 | | From Site entrance to End of No10 | 1 x Excavator + 1 x Vibrating Plate + 2 x 9t Dumpers |
| 21 | | Installation of Kerb Foundation | 6 days | Fri 29/04/22 | Fri 06/05/22 | 20 | 35m3 | 4 days formwork + 2 day Conc | 1 x Excavator + 6 x Concrete Deliveries |
| 22 | | Installation of Kerbs and Backing | 10 days | Mon 09/05/2 | Fri 20/05/22 | 21 | 290 mts | 5 mts/ hour + 2 day for haunch | 1 x Excavator with lifting attachment + 6 x Concrete Deliveries |
| 23 | | Final Road Trim | 4 days | Mon 23/05/2 | Thu 26/05/22 | 22 | | | 1 x Excavator + Double Drum Roller + 6 x Aggregate Deliveries |
| 24 | | Installation of Tarmac Road | 2 days | Fri 27/05/22 | Mon 30/05/22 | 23 | 1100 m2 | 140 m2/hr however would be minimu of 2 days | 1 x Paver + 1 x Tack Coat Tanker + 2 x Double Drum Rollers + 1 x 3cx + 14 x Tarmac Deliveries |
| 25 | | Landscaping & Street Furniture | 3 days | Tue 31/05/22 | Thu 02/06/22 | 24 | | | 1 x 3cx + 1 x 9t Dumper + 1 x Road Brush |



## Calculation of overall on times for construction plant for Access Improvements based on draft detailed construction programme

| **Phase ID** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **Estimated duration for activity (n. hrs in 12 hr day)** | **On time correction, 12 hour day** | **Plant: Total no. of days on which plant is used Deliveries: total no.** | **On time for 79 day programme, %** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **No. of days per phase** | **2** | **4** | **3** | **4** | **7** | **4** | **7** | **3** | **2** | **2** | **1** | **1** | **6** | **5** | **6** | **5** | **6** | **10** | **4** | **2** | **3** | | | | |
| Plant items (no. of items required per phase) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Road Planer | 1 | | | | | | | | | | | 1 | | | | | | | | | | 8 | 66.67% | 3 | 2 |
| Road brush/sweeper | 1 | | | | | | | | | 1 | | 1 | | | | | | | | | 1 | 3 | 25.00% | 8 | 2 |
| Excavator | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 8 | 66.67% | 74 | 49 |
| Double Drum Roller | | | 1 | | | | | 1 | 2 | | | | | 1 | | | | | 1 | 2 | | 6 | 50.00% | 23 | 12 |
| Hand held Breaker | | 1 | | | | | | | | | | | 1 | | | | | | | | | 8 | 66.67% | 10 | 7 |
| Vibrating Plate | | | | 1 | 1 | | | | | | | | | | 1 | 1 | | | | | | 8 | 66.67% | 22 | 15 |
| Backhoe loader (3cx) | 1 | | | | | | | | 1 | 1 | | 1 | | | | | | | | 1 | 1 | 8 | 66.67% | 12 | 8 |
| Paver | | | | | | | | | 1 | | | | | | | | | | | 1 | | 6 | 50.00% | 4 | 2 |
| Tack Coat Tanker | | | | | | | | | 1 | | | | | | | | | | | 1 | | 4 | 33.33% | 4 | 1 |
| Dumper (9t) | | 2 | | | | | | | | 1 | | | 2 | | | 2 | | | | | 1 | 8 | 66.67% | 35 | 23 |
| Deliveries (no. of deliveries per phase) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tarmac Delivery | | | | | | | | | 8 | | | | | | | | | | | 14 | | 1 | 8.33% | 22 | 2 |
| Aggregate Delivery | | | 36 | | | | | 5 | | | | | | 55 | | | | | 6 | | | 1 | 8.33% | 102 | 9 |
| Concrete delivery | | | | | | 4 | 4 | | | | | | | | | | 6 | 6 | | | | 1 | 8.33% | 20 | 2 |

## Calculation of overall sound power for construction plant for Access Improvements based on draft detailed construction programme

| **Plant/Equipment** | | **No.** | **on time (%)** | **Sound Power, dBA $L_W$** | **Sound power corrected for no. & on time, dBA $L_W$** |
|---|---|---|---|---|---|
| **Description** | Noise Level Data | | | | |
| **Road Planer** | C5.7 Road planer | 1 | 2.0 | 110 | 93 |
| **Road brush/sweeper** | C4.90 Road sweeper | 1 | 2.0 | 104 | 87 |
| **Excavator** | C2.2 Tracked excavator | 1 | 49.3 | 105 | 102 |
| **Double Drum Roller** | C2.40 Vibratory roller | 1 | 11.5 | 101 | 91 |
| **Hand held Breaker** | C1.6 Hand-held pneumatic breaker | 1 | 6.7 | 112 | 100 |
| **Vibrating Plate** | C2.41 Vibratory plate (petrol) | 1 | 14.7 | 108 | 100 |

| Plant/Equipment | | No. | on time (%) | Sound Power, dBA $L_W$ | Sound power corrected for no. & on time, dBA $L_W$ |
|---|---|---|---|---|---|
| **Description** | Noise Level Data | | | | |
| **Backhoe loader (3cx)** | C2.8 Wheeled backhoe loader | 1 | 8.0 | 96 | 85 |
| **Paver** | C5.30 Asphalt paver (+ tipper lorry) | 1 | 2.0 | 104 | 87 |
| **Tack Coat Tanker** | D8.24 (Spectra from C4.90) | 1 | 1.3 | 101 | 82 |
| **Dumper (9t)** | C4.4 Dumper | 1 | 23.3 | 104 | 97 |
| **Tarmac Delivery** | C2.34 Lorry | 1 | 1.8 | 108 | 91 |
| **Aggregate Delivery** | C2.34 Lorry | 1 | 8.5 | 108 | 97 |
| **Concrete delivery** | C4.21 Large lorry concrete mixer | 1 | 1.7 | 105 | 87 |
| **Total sound power, corrected for on time, dBA LW** | | | | | 107 |

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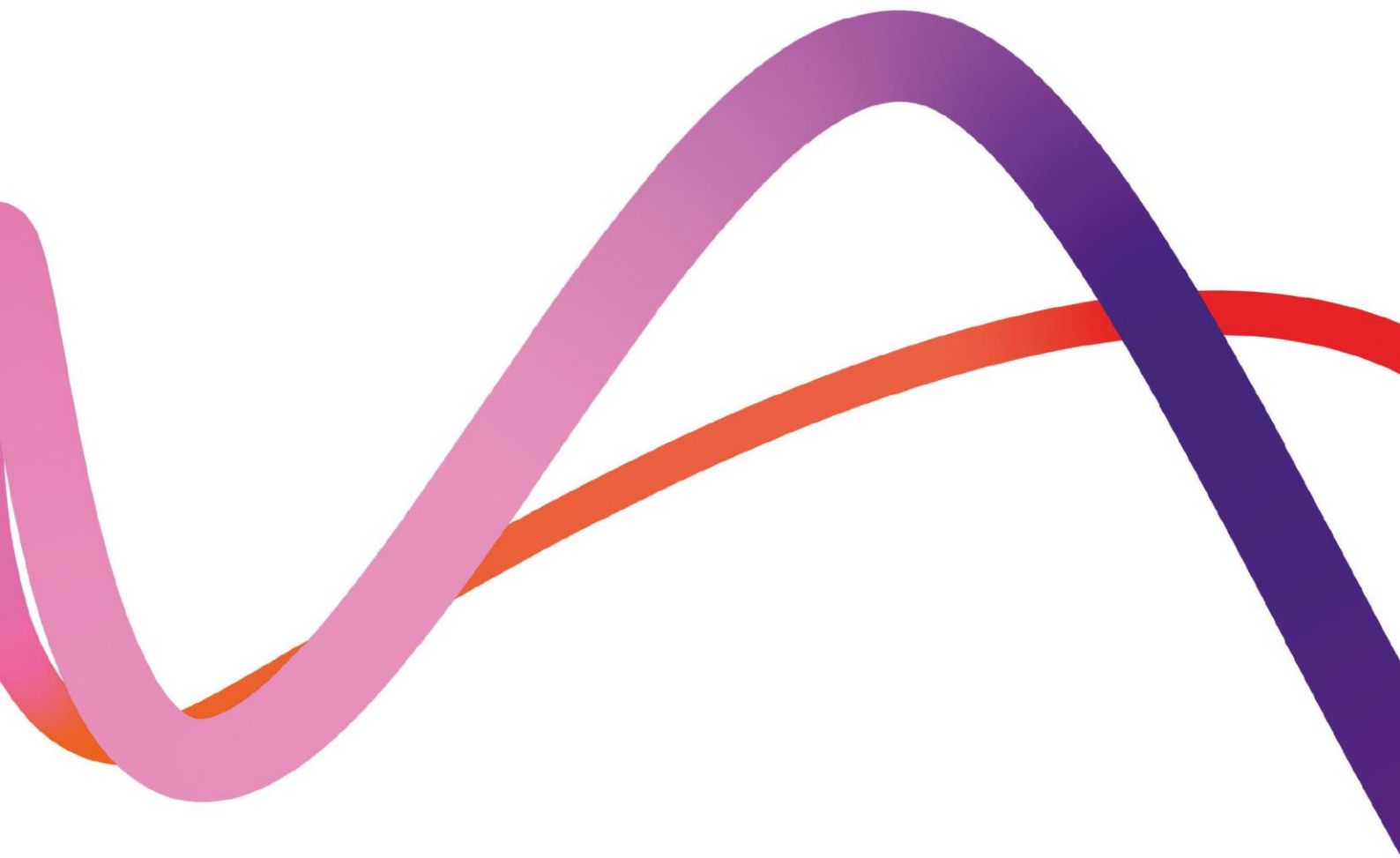

Medworth Energy from Waste
Combined Heat and Power Facility

PINS ref. EN010110
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# Environmental Statement Technical Appendix Appendix 7C: Operational Noise Assessment Data

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

We inspire with energy.

# Glossary

| Term | Description |
|---|---|
| **Aatm** | Noise calculation parameter: mean attenuation due to air absorption |
| **Abar** | Noise calculation parameter: mean attenuation due to screening |
| **ACC** | Air Cooled Condenser |
| **Adiv** | Noise calculation parameter: mean attenuation due to geometrical spreading (attenuation with distance) |
| **Agr** | Noise calculation parameter: mean attenuation due to ground effect |
| **APC plant** | Air Pollution Control plant |
| **dB** | Decibel |
| **dBA** | 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. |
| **dLw** | Noise calculation parameter: correction for source operation time |
| **dLrefl** | Noise calculation parameter: level increase due to reflections |
| **HGV** | Heavy Goods Vehicle. With regard to noise, heavy vehicles/ HGVs are any vehicle with an unladen weight in excess of 3.5 tonnes. |
| **Hz/ kHz** | Hertz/ kilohertz: frequency of sound in cycles per second |
| **ID fan** | Induced draft fan |
| **l or A** | Noise calculation parameter: size of source (length or area) |
| **Ko** | Noise calculation parameter: correction for propagation in limited special angle/ correction for diffusivity |
| **$L_{Aeq, T}$** | 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. $L_{Aeq, T}$ is considered the best general-purpose index for environmental sound, as it is the index which generally best represents how sound levels are perceived. |

| Term | Description |
|---|---|
| **Leq,d** | Noise calculation parameter: sound pressure level during daytime (0700 to 1900 hrs) |
| **Leq,e** | Noise calculation parameter: sound pressure level during evening (1900 to 2300 hrs) |
| **Leq,n** | Noise calculation parameter: sound pressure level during night-time (2300 to 0700 hrs) |
| **Li/ $L_{pi}$** | Noise calculation parameter: sound pressure level inside building |
| **Lr** | Noise calculation parameter: sound level per time slice, with correction for source operation time |
| **Ls** | Noise calculation parameter: sound level per time slice, without correction for source operation time |
| **Lw** | Noise calculation parameter: sound power level per unit |
| **L'w** | Noise calculation parameter: sound power level per m/ $m^2$ |
| **R'w** | Noise calculation parameter: rated transmission loss |
| **S** | Noise calculation parameter: distance (source – receiver) |

# Contents

# Operational noise model input data

## Table 7C.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 | $L_{pi}$ | 1 | 16.5 | 100%, 0700 - 2000 hrs | 89 | 56 | 71 | 75 | 80 | 81 | 85 | 81 | 77 |
| **ID02** | Tipping hall (outside delivery hours) | Building | $L_{pi}$ | 1 | 16.5 | 100%, 2000 - 0700 hrs | 86 | 59 | 73 | 76 | 83 | 81 | 79 | 73 | 70 |
| **ID02** | Tipping hall doors (weekday delivery hours) | Area | $L_{pi}$ | 2 | 6.0 | Open 100% 0700 - 2000 hrs | 89 | 56 | 71 | 75 | 80 | 81 | 85 | 81 | 77 |
| **ID02** | Tipping hall Doors (weekend delivery hours) | Building | $L_{pi}$ | 2 | 6.0 | Open 50% 0700 - 2000 hrs | 86 | 56 | 71 | 75 | 80 | 81 | 85 | 81 | 77 |
| **ID05** | Boiler house building | Building | $L_{pi}$ | 1 | 50.0 | 100% | 86 | 59 | 73 | 76 | 83 | 81 | 79 | 73 | 70 |
| **ID04** | Waste bunker building | Building | $L_{pi}$ | 1 | 36.5 | 100% | 78 | 48 | 56 | 66 | 71 | 74 | 73 | 65 | 60 |
| **ID17** | Turbine hall | Building | $L_{pi}$ | 1 | 25.0 | 100% | 89 | 56 | 71 | 75 | 80 | 81 | 85 | 81 | 77 |
| **ID07b** | Bag filter houses | Building | $L_{pi}$ | 2 | 25.0 | 100% | 86 | 59 | 73 | 76 | 83 | 81 | 79 | 73 | 70 |

| 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 |
| **ID08** | Induced draft fans buildings | Building | $L_{pi}$ | 2 | 10.0 | 100% | 89 | 62 | 76 | 79 | 86 | 84 | 82 | 76 | 73 |
| **ID10** | Switchgear building | Building | $L_{pi}$ | 1 | 16.0 | 100% | 75 | 84 | 79 | 76 | 71 | 69 | 66 | 64 | 62 |
| **ID13** | Compressed air station | Building | $L_{pi}$ | 1 | 8.0 | 100% | 85 | 94 | 89 | 86 | 81 | 79 | 76 | 74 | 72 |
| **ID18** | Water treatment plant | Building | $L_{pi}$ | 1 | 16.0 | 100% | 85 | 58 | 72 | 75 | 82 | 80 | 78 | 72 | 69 |
| **ID07a** | APC plant, silos and reactors | Building | $L_W$ | 1 | 22.0 | 100% | 86 | 59 | 73 | 76 | 83 | 81 | 79 | 73 | 70 |
| **ID09** | Chimney outlets | Point | $L_W$ | 2 | 90.5 | 100% | 90 | 67 | 76 | 87 | 90 | 83 | 80 | 68 | 69 |
| **ID14** | Main transformer | Point | $L_w$ | 1 | 11.0 | 100% | 72 | 75 | 77 | 72 | 72 | 66 | 61 | 56 | 49 |
| **ID16** | Air cooled condenser | Area | $L_w$ | 1 | 25.0 | 100% | 100 | 101 | 96 | 95 | 102 | 90 | 86 | 80 | 72 |
| **ID21** | 132kV switching compound | Point | $L_W$ | 1 | 10.0 | 100% | 75 | 84 | 79 | 76 | 71 | 69 | 66 | 64 | 62 |
| **ID22** | Private wire transformer | Point | $L_w$ | 1 | 10.0 | 100% | 72 | 75 | 77 | 72 | 72 | 66 | 61 | 56 | 49 |
| **ID23** | Private wire switchgear compound | Building | $L_{pi}$ | 1 | 10.0 | 100% | 75 | 84 | 79 | 76 | 71 | 69 | 66 | 64 | 62 |

| 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 |
| **ID24** | Water re-cooling system (full load) | Area | $L_W$ | 1 | 25.0 | 100% | 89 | 67 | 72 | 77 | 81 | 85 | 84 | 78 | 72 |
| A | HGV deliveries of waste | Line | $L_w$ | 1 | 1.0 | 20 mph on New Bridge Ln<br>10 mph on site<br>0700 - 2000 hrs<br>284 waste deliveries per day. 24h profile. | 108 | 101 | 106 | 106 | 106 | 102 | 101 | 96 | 94 |
| B | Loader (external movements) | Line | $L_w$ | 1 | 1.0 | 10 mph<br>0700 - 2000 hrs<br>2 movements per hour | 99 | 111 | 100 | 98 | 97 | 93 | 92 | 85 | 77 |
| C | Exhaust Steam Pipe (between turbine hall and ACC) | Line | $L_w$ | 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 | $L_w$ | 1 | 12.0 - 26.0 | 100% When in bypass mode | 98 | 65 | 70 | 76 | 85 | 90 | 85 | 77 | 67 |

* - $L_{pi}$ = internal sound pressure level

## Table 7C.2 Building Façade Sound Reductions

| Façade Element | Overall, dB $R_w$ | Sound Reduction, dB $R_w$ 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 7C.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 7C.4 Predicted Operational Sound Levels

| 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 | 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 $L_{Aeq,T}$ | | | EfW CHP Facility, Weekends, dB $L_{Aeq,T}$ | | |
|---|---|---|---|---|---|---|---|---|
| | | | 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 |

| 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 |
| **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 | 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 |

| 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 |
| **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 | 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 | 24 | 27 | 25 | 24 |
| **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 |

# Calculation of predicted noise levels

## Table 7C.5 Mean source propagation $L_{Aeq}$ calculations of weekday operational noise

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| Receiver R1 Fl GF dB(A) dB(A) dB(A) Leq,d 41.6 dB(A) Leq,e 35.9 dB(A) Leq,n 35.0 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 268.52 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.7 | 10.8 | 35.5 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 269.19 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.8 | 10.8 | 35.6 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 410.41 | -63.3 | 1.0 | -5.5 | -1.7 | 0.2 | 5.8 | 0.0 | 5.8 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 268.52 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.7 | -3.0 | 21.7 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 269.19 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.8 | -3.0 | 21.8 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 410.41 | -63.3 | 1.0 | -5.5 | -1.7 | 0.2 | 5.8 | 0.0 | 5.8 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 268.52 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.7 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 269.19 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.8 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 410.41 | -63.3 | 1.0 | -5.5 | -1.7 | 0.2 | 5.8 | 0.0 | 5.8 |
| Receiver R1 Fl F 1 dB(A) dB(A) dB(A) Leq,d 43.0 dB(A) Leq,e 37.8 dB(A) Leq,n 37.0 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 268.54 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 24.9 | 10.8 | 35.7 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 269.21 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 25.0 | 10.8 | 35.8 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 410.36 | -63.3 | 1.6 | -2.7 | -1.7 | 0.1 | 9.0 | 0.0 | 9.0 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 268.54 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 24.9 | -3.0 | 21.9 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 269.21 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 25.0 | -3.0 | 22.0 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 410.36 | -63.3 | 1.6 | -2.7 | -1.7 | 0.1 | 9.0 | 0.0 | 9.0 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 268.54 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 24.9 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 269.21 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 25.0 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 410.36 | -63.3 | 1.6 | -2.7 | -1.7 | 0.1 | 9.0 | 0.0 | 9.0 |
| Receiver R2 Fl GF dB(A) dB(A) dB(A) Leq,d 62.7 dB(A) Leq,e 50.6 dB(A) Leq,n 46.0 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 21.99 | -37.8 | 0.9 | 0.0 | -0.2 | 0.3 | 49.1 | 10.8 | 59.9 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 27.28 | -39.7 | 0.7 | 0.0 | -0.2 | 0.3 | 47.1 | 10.8 | 57.9 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 75.0 | 24.0 | 50.4 | 77.0 | 457.8 | 0 | 240.66 | -58.6 | 1.2 | -9.8 | -0.4 | 3.0 | 12.5 | 0.0 | 12.5 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 155.29 | -54.8 | 2.1 | 0.0 | -1.1 | 0.0 | 21.2 | 0.0 | 21.2 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 21.99 | -37.8 | 0.9 | 0.0 | -0.2 | 0.3 | 49.1 | -3.0 | 46.1 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 27.28 | -39.7 | 0.7 | 0.0 | -0.2 | 0.3 | 47.1 | -3.0 | 44.1 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,e | 75.0 | 24.0 | 50.4 | 77.0 | 457.8 | 0 | 240.66 | -58.6 | 1.2 | -9.8 | -0.4 | 3.0 | 12.5 | 0.0 | 12.5 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 155.29 | -54.8 | 2.1 | 0.0 | -1.1 | 0.0 | 21.2 | 0.0 | 21.2 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 21.99 | -37.8 | 0.9 | 0.0 | -0.2 | 0.3 | 49.1 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 27.28 | -39.7 | 0.7 | 0.0 | -0.2 | 0.3 | 47.1 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 75.0 | 24.0 | 50.4 | 77.0 | 457.8 | 0 | 240.66 | -58.6 | 1.2 | -9.8 | -0.4 | 3.0 | 12.5 | 0.0 | 12.5 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 155.29 | -54.8 | 2.1 | 0.0 | -1.1 | 0.0 | 21.2 | 0.0 | 21.2 |
| Receiver R2 Fl F 1 dB(A) dB(A) dB(A) Leq,d 62.7 dB(A) Leq,e 51.0 dB(A) Leq,n 47.1 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 22.86 | -38.2 | 1.0 | 0.0 | -0.2 | 0.3 | 49.0 | 10.8 | 59.7 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 27.81 | -39.9 | 0.9 | 0.0 | -0.2 | 0.4 | 47.3 | 10.8 | 58.0 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID17 - Turbine hall -ID17 - Turbine hall (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 155.16 | -54.8 | 2.7 | 0.0 | -1.0 | 0.0 | 21.9 | 0.0 | 21.9 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 22.86 | -38.2 | 1.0 | 0.0 | -0.2 | 0.3 | 49.0 | -3.0 | 45.9 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 27.81 | -39.9 | 0.9 | 0.0 | -0.2 | 0.4 | 47.3 | -3.0 | 44.2 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 155.16 | -54.8 | 2.7 | 0.0 | -1.0 | 0.0 | 21.9 | 0.0 | 21.9 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 22.86 | -38.2 | 1.0 | 0.0 | -0.2 | 0.3 | 49.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 27.81 | -39.9 | 0.9 | 0.0 | -0.2 | 0.4 | 47.3 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 155.16 | -54.8 | 2.7 | 0.0 | -1.0 | 0.0 | 21.9 | 0.0 | 21.9 |
| Receiver R3 Fl GF dB(A) dB(A) dB(A) Leq,d 58.7 dB(A) Leq,e 48.5 dB(A) Leq,n 46.2 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 75.11 | -48.5 | 0.1 | -0.2 | -0.6 | 1.9 | 38.7 | 10.8 | 49.5 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 69.67 | -47.9 | 0.2 | -0.2 | -0.5 | 1.9 | 39.5 | 10.8 | 50.3 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | Area | Leq,d | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 292.39 | -60.3 | 1.9 | -6.1 | -2.0 | 3.6 | 12.5 | 0.0 | 12.5 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 131.30 | -53.4 | 1.0 | 0.0 | -1.1 | 3.3 | 24.9 | 0.0 | 24.9 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 75.11 | -48.5 | 0.1 | -0.2 | -0.6 | 1.9 | 38.7 | -3.0 | 35.7 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 69.67 | -47.9 | 0.2 | -0.2 | -0.5 | 1.9 | 39.5 | -3.0 | 36.5 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | Area | Leq,e | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 292.39 | -60.3 | 1.9 | -6.1 | -2.0 | 3.6 | 12.5 | 0.0 | 12.5 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 131.30 | -53.4 | 1.0 | 0.0 | -1.1 | 3.3 | 24.9 | 0.0 | 24.9 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 75.11 | -48.5 | 0.1 | -0.2 | -0.6 | 1.9 | 38.7 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 69.67 | -47.9 | 0.2 | -0.2 | -0.5 | 1.9 | 39.5 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (roof) | Area | Leq,n | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 292.39 | -60.3 | 1.9 | -6.1 | -2.0 | 3.6 | 12.5 | 0.0 | 12.5 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 131.30 | -53.4 | 1.0 | 0.0 | -1.1 | 3.3 | 24.9 | 0.0 | 24.9 |
| Receiver R4 Fl GF dB(A) dB(A) dB(A) Leq,d 44.4 dB(A) Leq,e 39.7 dB(A) Leq,n 39.3 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 392.91 | -62.9 | 0.7 | 0.0 | -3.0 | 2.7 | 23.5 | 10.8 | 34.3 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 389.17 | -62.8 | 0.7 | 0.0 | -3.0 | 2.8 | 23.8 | 10.8 | 34.5 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 | 18.3 | 0.0 | 18.3 |
| ID02 - Tipping hall -ID02 - Tipping hall (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 | 2.5 | -4.7 | 0.0 | -4.7 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 | 8.8 | 0.0 | 8.8 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | Area | Leq,d | 85.6 | 24.0 | 58.9 | 93.3 | 2749.5 | 3 | 472.52 | -64.5 | 0.9 | -24.5 | -2.5 | 2.4 | 8.1 | 0.0 | 8.1 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.6 | 34.4 | 0.0 | 34.4 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (roof) | Area | Leq,d | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.57 | -62.1 | 0.7 | -5.0 | -1.9 | 3.5 | 21.1 | 0.0 | 21.1 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,d | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 1.6 | 0.0 | -3.5 | 1.1 | 9.4 | 0.0 | 9.4 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 329.68 | -61.4 | 0.5 | 0.0 | -2.0 | 0.0 | 12.2 | 0.0 | 12.2 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 392.91 | -62.9 | 0.7 | 0.0 | -3.0 | 2.7 | 23.5 | -3.0 | 20.5 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 389.17 | -62.8 | 0.7 | 0.0 | -3.0 | 2.8 | 23.8 | -3.0 | 20.7 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 | 18.3 | -2.0 | 16.2 |
| ID02 - Tipping hall -ID02 - Tipping hall (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 | 2.5 | -4.7 | 0.0 | -4.7 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, top - cladding) | Area | Leq,e | 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 (facade, 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 (facade, 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 (roof) | 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 | 8.8 | 0.0 | 8.8 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | Area | Leq,e | 85.6 | 24.0 | 58.9 | 93.3 | 2749.5 | 3 | 472.52 | -64.5 | 0.9 | -24.5 | -2.5 | 2.4 | 8.1 | 0.0 | 8.1 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.6 | 34.4 | 0.0 | 34.4 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | Area | Leq,e | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.57 | -62.1 | 0.7 | -5.0 | -1.9 | 3.5 | 21.1 | 0.0 | 21.1 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,e | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 1.6 | 0.0 | -3.5 | 1.1 | 9.4 | 0.0 | 9.4 |
| 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 329.68 | -61.4 | 0.5 | 0.0 | -2.0 | 0.0 | 12.2 | 0.0 | 12.2 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 392.91 | -62.9 | 0.7 | 0.0 | -3.0 | 2.7 | 23.5 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 389.17 | -62.8 | 0.7 | 0.0 | -3.0 | 2.8 | 23.8 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 | 18.3 | -3.0 | 15.3 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 | 2.5 | -4.7 | 0.0 | -4.7 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 | 8.8 | 0.0 | 8.8 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | Area | Leq,n | 85.6 | 24.0 | 58.9 | 93.3 | 2749.5 | 3 | 472.52 | -64.5 | 0.9 | -24.5 | -2.5 | 2.4 | 8.1 | 0.0 | 8.1 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.6 | 34.4 | 0.0 | 34.4 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | Area | Leq,n | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.57 | -62.1 | 0.7 | -5.0 | -1.9 | 3.5 | 21.1 | 0.0 | 21.1 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,n | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 1.6 | 0.0 | -3.5 | 1.1 | 9.4 | 0.0 | 9.4 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 329.68 | -61.4 | 0.5 | 0.0 | -2.0 | 0.0 | 12.2 | 0.0 | 12.2 |
| Receiver R4 Fl F 1 dB(A) dB(A) dB(A) Leq,d 45.5 dB(A) Leq,e 41.0 dB(A) Leq,n 40.6 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 392.93 | -62.9 | 0.8 | 0.0 | -2.7 | 2.5 | 23.7 | 10.8 | 34.5 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 389.18 | -62.8 | 0.8 | 0.0 | -2.7 | 2.5 | 23.9 | 10.8 | 34.7 |
| A - HGV deliveries of waste (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 | | | 63.0 | 82.2 | 83.2 | 0 | 407.63 | -63.2 | 1.6 | -4.4 | -2.2 | 2.9 | 16.9 | 0.0 | 16.9 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 | 10.3 | 0.0 | 10.2 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.7 | 36.0 | 0.0 | 36.0 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | Area | Leq,d | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.47 | -62.1 | 1.5 | -4.8 | -1.8 | 3.4 | 22.2 | 0.0 | 22.2 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,d | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 2.2 | 0.0 | -2.8 | 2.5 | 12.1 | 0.0 | 12.1 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 329.61 | -61.4 | 1.3 | 0.0 | -1.7 | 0.0 | 13.2 | 0.0 | 13.2 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 392.93 | -62.9 | 0.8 | 0.0 | -2.7 | 2.5 | 23.7 | -3.0 | 20.7 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 389.18 | -62.8 | 0.8 | 0.0 | -2.7 | 2.5 | 23.9 | -3.0 | 20.9 |
| A - HGV deliveries of waste (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 | | | 63.0 | 82.2 | 83.2 | 0 | 407.63 | -63.2 | 1.6 | -4.4 | -2.2 | 2.9 | 16.9 | 0.0 | 16.9 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 | 10.3 | 0.0 | 10.2 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.7 | 36.0 | 0.0 | 36.0 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | Area | Leq,e | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.47 | -62.1 | 1.5 | -4.8 | -1.8 | 3.4 | 22.2 | 0.0 | 22.2 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,e | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 2.2 | 0.0 | -2.8 | 2.5 | 12.1 | 0.0 | 12.1 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 329.61 | -61.4 | 1.3 | 0.0 | -1.7 | 0.0 | 13.2 | 0.0 | 13.2 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 392.93 | -62.9 | 0.8 | 0.0 | -2.7 | 2.5 | 23.7 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 389.18 | -62.8 | 0.8 | 0.0 | -2.7 | 2.5 | 23.9 | | |
| A - HGV deliveries of waste (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 | | | 63.0 | 82.2 | 83.2 | 0 | 407.63 | -63.2 | 1.6 | -4.4 | -2.2 | 2.9 | 16.9 | 0.0 | 16.9 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 | 10.3 | 0.0 | 10.2 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.7 | 36.0 | 0.0 | 36.0 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | Area | Leq,n | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.47 | -62.1 | 1.5 | -4.8 | -1.8 | 3.4 | 22.2 | 0.0 | 22.2 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,n | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 2.2 | 0.0 | -2.8 | 2.5 | 12.1 | 0.0 | 12.1 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 329.61 | -61.4 | 1.3 | 0.0 | -1.7 | 0.0 | 13.2 | 0.0 | 13.2 |
| Receiver R5 Fl GF dB(A) dB(A) dB(A) Leq,d 39.6 dB(A) Leq,e 37.7 dB(A) Leq,n 37.5 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 608.77 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.2 | 10.8 | 25.0 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 610.06 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.3 | 10.8 | 25.1 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 545.93 | -65.7 | 1.3 | -4.7 | -4.4 | 3.1 | 23.7 | 0.0 | 23.7 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 75.0 | 24.0 | 50.4 | 66.5 | 40.2 | 0 | 545.76 | -65.7 | 0.8 | -16.6 | -0.3 | 6.5 | -8.9 | 0.0 | -8.9 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 522.32 | -65.4 | 1.0 | -4.5 | -2.6 | 0.0 | 3.6 | 0.0 | 3.6 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 608.77 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.2 | -3.0 | 11.2 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 610.06 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.3 | -3.0 | 11.3 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,e | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 545.93 | -65.7 | 1.3 | -4.7 | -4.4 | 3.1 | 23.7 | 0.0 | 23.7 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,e | 75.0 | 24.0 | 50.4 | 66.5 | 40.2 | 0 | 545.76 | -65.7 | 0.8 | -16.6 | -0.3 | 6.5 | -8.9 | 0.0 | -8.9 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 522.32 | -65.4 | 1.0 | -4.5 | -2.6 | 0.0 | 3.6 | 0.0 | 3.6 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 608.77 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.2 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 610.06 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.3 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 545.93 | -65.7 | 1.3 | -4.7 | -4.4 | 3.1 | 23.7 | 0.0 | 23.7 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 75.0 | 24.0 | 50.4 | 66.5 | 40.2 | 0 | 545.76 | -65.7 | 0.8 | -16.6 | -0.3 | 6.5 | -8.9 | 0.0 | -8.9 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 522.32 | -65.4 | 1.0 | -4.5 | -2.6 | 0.0 | 3.6 | 0.0 | 3.6 |
| Receiver R6 Fl GF dB(A) dB(A) dB(A) Leq,d 40.8 dB(A) Leq,e 35.3 dB(A) Leq,n 34.8 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 | 10.8 | 35.2 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 388.59 | -62.8 | 0.7 | -0.7 | -3.0 | 0.7 | 20.9 | 10.8 | 31.7 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 385.06 | -62.7 | 0.7 | -0.6 | -3.0 | 0.6 | 21.0 | 10.8 | 31.8 |
| A - HGV deliveries of waste (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 | 10.8 | 34.1 |
| 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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | Area | Leq,d | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 634.39 | -67.0 | 1.4 | -4.7 | -4.2 | 0.0 | 0.9 | 0.0 | 0.9 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 475.39 | -64.5 | 1.1 | -4.5 | -2.4 | 0.0 | 4.6 | 0.0 | 4.6 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 388.59 | -62.8 | 0.7 | -0.7 | -3.0 | 0.7 | 20.9 | -3.0 | 17.9 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 385.06 | -62.7 | 0.7 | -0.6 | -3.0 | 0.6 | 21.0 | -3.0 | 18.0 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | Area | Leq,e | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 634.39 | -67.0 | 1.4 | -4.7 | -4.2 | 0.0 | 0.9 | 0.0 | 0.9 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling system (full load) | Area | Leq,e | | | 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 475.39 | -64.5 | 1.1 | -4.5 | -2.4 | 0.0 | 4.6 | 0.0 | 4.6 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.8 | 0 | 525.79 | -65.4 | 2.8 | -2.9 | -3.0 | 0.6 | 24.4 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 388.59 | -62.8 | 0.7 | -0.7 | -3.0 | 0.7 | 20.9 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 385.06 | -62.7 | 0.7 | -0.6 | -3.0 | 0.6 | 21.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 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,n | | | 57.2 | 83.9 | 476.8 | 0 | 649.22 | -67.2 | 3.2 | -4.1 | -2.5 | 0.5 | 13.8 | | |
| C - Exhaust Steam Pipe | Line | Leq,n | | | 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 |
| C - Exhaust Steam Pipe | Line | Leq,n | | | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | Area | Leq,n | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 634.39 | -67.0 | 1.4 | -4.7 | -4.2 | 0.0 | 0.9 | 0.0 | 0.9 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 475.39 | -64.5 | 1.1 | -4.5 | -2.4 | 0.0 | 4.6 | 0.0 | 4.6 |
| Receiver R7 Fl GF dB(A) dB(A) dB(A) Leq,d 44.4 dB(A) Leq,e 42.3 dB(A) Leq,n 41.8 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 550.41 | -65.8 | 1.7 | -7.3 | -2.6 | 2.8 | 14.8 | 10.8 | 25.6 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 550.98 | -65.8 | 1.5 | -7.0 | -2.6 | 2.9 | 15.0 | 10.8 | 25.8 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 454.92 | -64.2 | 1.5 | -6.3 | -3.6 | 3.9 | 26.9 | 0.0 | 26.9 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 412.15 | -63.3 | 0.8 | -4.0 | -2.0 | 2.3 | 8.7 | 0.0 | 8.7 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 550.41 | -65.8 | 1.7 | -7.3 | -2.6 | 2.8 | 14.8 | -3.0 | 11.8 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 550.98 | -65.8 | 1.5 | -7.0 | -2.6 | 2.9 | 15.0 | -3.0 | 12.0 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,e | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 454.92 | -64.2 | 1.5 | -6.3 | -3.6 | 3.9 | 26.9 | 0.0 | 26.9 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 412.15 | -63.3 | 0.8 | -4.0 | -2.0 | 2.3 | 8.7 | 0.0 | 8.7 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 550.41 | -65.8 | 1.7 | -7.3 | -2.6 | 2.8 | 14.8 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 550.98 | -65.8 | 1.5 | -7.0 | -2.6 | 2.9 | 15.0 | | |
| A - HGV deliveries of waste (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 | | |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 454.92 | -64.2 | 1.5 | -6.3 | -3.6 | 3.9 | 26.9 | 0.0 | 26.9 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 412.15 | -63.3 | 0.8 | -4.0 | -2.0 | 2.3 | 8.7 | 0.0 | 8.7 |
| Receiver R8 Fl GF dB(A) dB(A) dB(A) Leq,d 37.1 dB(A) Leq,e 35.2 dB(A) Leq,n 34.8 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 793.30 | -69.0 | 1.9 | -6.6 | -3.8 | 1.2 | 9.6 | 10.8 | 20.4 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 794.43 | -69.0 | 1.7 | -6.4 | -3.9 | 1.1 | 9.6 | 10.8 | 20.4 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.42 | -66.2 | 1.5 | -11.5 | -3.9 | 8.9 | 24.4 | 0.0 | 24.4 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 643.89 | -67.2 | 1.2 | -4.5 | -2.9 | 0.8 | 2.5 | 0.0 | 2.5 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 793.30 | -69.0 | 1.9 | -6.6 | -3.8 | 1.2 | 9.6 | -3.0 | 6.6 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 794.43 | -69.0 | 1.7 | -6.4 | -3.9 | 1.1 | 9.6 | -3.0 | 6.6 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (roof) | Area | Leq,e | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.42 | -66.2 | 1.5 | -11.5 | -3.9 | 8.9 | 24.4 | 0.0 | 24.4 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | Area | Leq,e | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 643.89 | -67.2 | 1.2 | -4.5 | -2.9 | 0.8 | 2.5 | 0.0 | 2.5 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 793.30 | -69.0 | 1.9 | -6.6 | -3.8 | 1.2 | 9.6 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 794.43 | -69.0 | 1.7 | -6.4 | -3.9 | 1.1 | 9.6 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.42 | -66.2 | 1.5 | -11.5 | -3.9 | 8.9 | 24.4 | 0.0 | 24.4 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 643.89 | -67.2 | 1.2 | -4.5 | -2.9 | 0.8 | 2.5 | 0.0 | 2.5 |
| Receiver R8 Fl F 1 dB(A) dB(A) dB(A) Leq,d 38.7 dB(A) Leq,e 36.5 dB(A) Leq,n 35.9 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 793.31 | -69.0 | 2.4 | -6.1 | -3.5 | 1.0 | 10.7 | 10.8 | 21.5 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 794.43 | -69.0 | 2.2 | -6.0 | -3.7 | 1.0 | 10.5 | 10.8 | 21.3 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.35 | -66.2 | 1.6 | -6.2 | -4.3 | 5.5 | 26.0 | 0.0 | 26.0 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 | -37.4 | 0.0 | -37.4 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 569.25 | -66.1 | 1.5 | -4.8 | -4.5 | 2.5 | 22.8 | 0.0 | 22.8 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 643.86 | -67.2 | 1.9 | -4.7 | -2.6 | 0.7 | 3.1 | 0.0 | 3.1 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 793.31 | -69.0 | 2.4 | -6.1 | -3.5 | 1.0 | 10.7 | -3.0 | 7.7 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 794.43 | -69.0 | 2.2 | -6.0 | -3.7 | 1.0 | 10.5 | -3.0 | 7.5 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,e | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.35 | -66.2 | 1.6 | -6.2 | -4.3 | 5.5 | 26.0 | 0.0 | 26.0 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 | -37.4 | 0.0 | -37.4 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,e | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 569.25 | -66.1 | 1.5 | -4.8 | -4.5 | 2.5 | 22.8 | 0.0 | 22.8 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 643.86 | -67.2 | 1.9 | -4.7 | -2.6 | 0.7 | 3.1 | 0.0 | 3.1 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 793.31 | -69.0 | 2.4 | -6.1 | -3.5 | 1.0 | 10.7 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 794.43 | -69.0 | 2.2 | -6.0 | -3.7 | 1.0 | 10.5 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.35 | -66.2 | 1.6 | -6.2 | -4.3 | 5.5 | 26.0 | 0.0 | 26.0 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 | -37.4 | 0.0 | -37.4 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 569.25 | -66.1 | 1.5 | -4.8 | -4.5 | 2.5 | 22.8 | 0.0 | 22.8 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 643.86 | -67.2 | 1.9 | -4.7 | -2.6 | 0.7 | 3.1 | 0.0 | 3.1 |
| Receiver R9 Fl GF dB(A) dB(A) dB(A) Leq,d 35.2 dB(A) Leq,e 29.5 dB(A) Leq,n 28.8 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 528.99 | -65.5 | 0.7 | 0.0 | -3.7 | 0.3 | 17.8 | 10.8 | 28.6 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 529.84 | -65.5 | 0.7 | 0.0 | -3.7 | 0.0 | 17.6 | 10.8 | 28.4 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 653.68 | -67.3 | 1.5 | -4.5 | -3.0 | 1.2 | 2.9 | 0.0 | 2.9 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 528.99 | -65.5 | 0.7 | 0.0 | -3.7 | 0.3 | 17.8 | -3.0 | 14.8 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 529.84 | -65.5 | 0.7 | 0.0 | -3.7 | 0.0 | 17.6 | -3.0 | 14.6 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 653.68 | -67.3 | 1.5 | -4.5 | -3.0 | 1.2 | 2.9 | 0.0 | 2.9 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 528.99 | -65.5 | 0.7 | 0.0 | -3.7 | 0.3 | 17.8 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 529.84 | -65.5 | 0.7 | 0.0 | -3.7 | 0.0 | 17.6 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID18 - Water treatment plant -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 653.68 | -67.3 | 1.5 | -4.5 | -3.0 | 1.2 | 2.9 | 0.0 | 2.9 |
| Receiver R9 Fl F 1 dB(A) dB(A) dB(A) Leq,d 36.7 dB(A) Leq,e 31.1 dB(A) Leq,n 30.3 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 528.99 | -65.5 | 1.0 | 0.0 | -3.4 | 0.2 | 18.4 | 10.8 | 29.1 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 529.84 | -65.5 | 1.0 | 0.0 | -3.4 | 0.0 | 18.2 | 10.8 | 29.0 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 653.65 | -67.3 | 2.1 | -4.6 | -2.6 | 1.2 | 3.8 | 0.0 | 3.8 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 528.99 | -65.5 | 1.0 | 0.0 | -3.4 | 0.2 | 18.4 | -3.0 | 15.3 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 529.84 | -65.5 | 1.0 | 0.0 | -3.4 | 0.0 | 18.2 | -3.0 | 15.2 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 653.65 | -67.3 | 2.1 | -4.6 | -2.6 | 1.2 | 3.8 | 0.0 | 3.8 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 528.99 | -65.5 | 1.0 | 0.0 | -3.4 | 0.2 | 18.4 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 529.84 | -65.5 | 1.0 | 0.0 | -3.4 | 0.0 | 18.2 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 653.65 | -67.3 | 2.1 | -4.6 | -2.6 | 1.2 | 3.8 | 0.0 | 3.8 |
| Receiver R10 Fl GF dB(A) dB(A) dB(A) Leq,d 35.1 dB(A) Leq,e 31.2 dB(A) Leq,n 30.4 dB(A) | | | | | | | | | | | | | | | | | |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 539.48 | -65.6 | 0.7 | -6.8 | -2.8 | 0.0 | 11.5 | 10.8 | 22.3 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 538.22 | -65.6 | 0.7 | -6.3 | -2.8 | 0.0 | 12.0 | 10.8 | 22.8 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 674.71 | -67.6 | 1.5 | -4.4 | -2.9 | 0.0 | 1.6 | 0.0 | 1.6 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 539.48 | -65.6 | 0.7 | -6.8 | -2.8 | 0.0 | 11.5 | -3.0 | 8.5 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 538.22 | -65.6 | 0.7 | -6.3 | -2.8 | 0.0 | 12.0 | -3.0 | 9.0 |
| A - HGV deliveries of waste (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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 674.71 | -67.6 | 1.5 | -4.4 | -2.9 | 0.0 | 1.6 | 0.0 | 1.6 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 539.48 | -65.6 | 0.7 | -6.8 | -2.8 | 0.0 | 11.5 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 538.22 | -65.6 | 0.7 | -6.3 | -2.8 | 0.0 | 12.0 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | I or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 674.71 | -67.6 | 1.5 | -4.4 | -2.9 | 0.0 | 1.6 | 0.0 | 1.6 |
| Receiver R10 Fl F 1 dB(A) dB(A) dB(A) Leq,d 36.6 dB(A) Leq,e 32.5 dB(A) Leq,n 31.7 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 539.49 | -65.6 | 1.0 | -6.3 | -2.8 | 0.0 | 12.2 | 10.8 | 23.0 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 538.23 | -65.6 | 1.0 | -5.9 | -2.8 | 0.0 | 12.7 | 10.8 | 23.5 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.8 | 0 | 684.27 | -67.7 | 3.5 | -9.5 | -2.6 | 0.9 | 16.1 | 10.8 | 26.9 |
| 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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 674.68 | -67.6 | 2.1 | -4.4 | -2.6 | 0.0 | 2.5 | 0.0 | 2.5 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 539.49 | -65.6 | 1.0 | -6.3 | -2.8 | 0.0 | 12.2 | -3.0 | 9.2 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 538.23 | -65.6 | 1.0 | -5.9 | -2.8 | 0.0 | 12.7 | -3.0 | 9.7 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.8 | 0 | 684.27 | -67.7 | 3.5 | -9.5 | -2.6 | 0.9 | 16.1 | -3.0 | 13.1 |
| 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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 674.68 | -67.6 | 2.1 | -4.4 | -2.6 | 0.0 | 2.5 | 0.0 | 2.5 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 539.49 | -65.6 | 1.0 | -6.3 | -2.8 | 0.0 | 12.2 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 538.23 | -65.6 | 1.0 | -5.9 | -2.8 | 0.0 | 12.7 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.8 | 0 | 684.27 | -67.7 | 3.5 | -9.5 | -2.6 | 0.9 | 16.1 | | |
| 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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 -ID13 - Compressed air station (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 674.68 | -67.6 | 2.1 | -4.4 | -2.6 | 0.0 | 2.5 | 0.0 | 2.5 |

## Table 7C.6 Mean source propagation $L_{Aeq}$ calculations of weekend operational noise

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| Receiver R1 Fl GF dB(A) dB(A) dB(A) Leq,d 38.1 dB(A) Leq,e 35.4 dB(A) Leq,n 35.0 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 268.64 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.7 | 4.3 | 29.0 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 373.28 | -62.4 | 2.0 | -9.8 | -1.8 | 1.7 | 22.1 | 4.3 | 26.3 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 269.37 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.8 | 4.3 | 29.1 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 423.21 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 410.41 | -63.3 | 1.0 | -5.5 | -1.7 | 0.2 | 5.8 | 0.0 | 5.8 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 268.64 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.7 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 373.28 | -62.4 | 2.0 | -9.8 | -1.8 | 1.7 | 22.1 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 269.37 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.8 | | |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 423.21 | -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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 410.41 | -63.3 | 1.0 | -5.5 | -1.7 | 0.2 | 5.8 | 0.0 | 5.8 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 268.64 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.7 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 373.28 | -62.4 | 2.0 | -9.8 | -1.8 | 1.7 | 22.1 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 269.37 | -59.6 | 0.5 | 0.0 | -2.2 | 0.0 | 24.8 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 423.21 | -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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 410.41 | -63.3 | 1.0 | -5.5 | -1.7 | 0.2 | 5.8 | 0.0 | 5.8 |
| Receiver R1 Fl F 1 dB(A) dB(A) dB(A) Leq,d 40.0 dB(A) Leq,e 37.4 dB(A) Leq,n 37.0 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 268.65 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 24.9 | 4.3 | 29.2 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 373.28 | -62.4 | 2.5 | -8.3 | -1.5 | 2.0 | 24.6 | 4.3 | 28.8 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 269.38 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 25.0 | 4.3 | 29.3 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 423.22 | -63.5 | 3.4 | -8.3 | -1.6 | 0.3 | 21.8 | 4.3 | 26.0 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 410.36 | -63.3 | 1.6 | -2.7 | -1.7 | 0.1 | 9.0 | 0.0 | 9.0 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 268.65 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 24.9 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 373.28 | -62.4 | 2.5 | -8.3 | -1.5 | 2.0 | 24.6 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 269.38 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 25.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 423.22 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 410.36 | -63.3 | 1.6 | -2.7 | -1.7 | 0.1 | 9.0 | 0.0 | 9.0 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 268.65 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 24.9 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 373.28 | -62.4 | 2.5 | -8.3 | -1.5 | 2.0 | 24.6 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 269.38 | -59.6 | 0.6 | 0.0 | -2.0 | 0.0 | 25.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 423.22 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 410.36 | -63.3 | 1.6 | -2.7 | -1.7 | 0.1 | 9.0 | 0.0 | 9.0 |
| Receiver R2 Fl GF dB(A) dB(A) dB(A) Leq,d 56.5 dB(A) Leq,e 46.0 dB(A) Leq,n 46.0 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 21.99 | -37.8 | 0.9 | 0.0 | -0.2 | 0.3 | 49.1 | 4.3 | 53.4 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 153.18 | -54.7 | 3.1 | -0.6 | -1.0 | 1.5 | 40.6 | 4.3 | 44.9 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 27.32 | -39.7 | 0.7 | 0.0 | -0.2 | 0.3 | 47.1 | 4.3 | 51.4 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 167.17 | -55.5 | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 75.0 | 24.0 | 50.4 | 77.0 | 457.8 | 0 | 240.66 | -58.6 | 1.2 | -9.8 | -0.4 | 3.0 | 12.5 | 0.0 | 12.5 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | Area | Leq,d | 84.6 | 24.0 | 57.9 | 84.7 | 478.5 | 3 | 199.79 | -57.0 | 2.4 | -2.5 | -1.1 | 5.2 | 34.7 | 0.0 | 34.7 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 155.29 | -54.8 | 2.1 | 0.0 | -1.1 | 0.0 | 21.2 | 0.0 | 21.2 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 21.99 | -37.8 | 0.9 | 0.0 | -0.2 | 0.3 | 49.1 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 153.18 | -54.7 | 3.1 | -0.6 | -1.0 | 1.5 | 40.6 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 27.32 | -39.7 | 0.7 | 0.0 | -0.2 | 0.3 | 47.1 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 167.17 | -55.5 | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,e | 75.0 | 24.0 | 50.4 | 77.0 | 457.8 | 0 | 240.66 | -58.6 | 1.2 | -9.8 | -0.4 | 3.0 | 12.5 | 0.0 | 12.5 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | Area | Leq,e | 84.6 | 24.0 | 57.9 | 84.7 | 478.5 | 3 | 199.79 | -57.0 | 2.4 | -2.5 | -1.1 | 5.2 | 34.7 | 0.0 | 34.7 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 155.29 | -54.8 | 2.1 | 0.0 | -1.1 | 0.0 | 21.2 | 0.0 | 21.2 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 21.99 | -37.8 | 0.9 | 0.0 | -0.2 | 0.3 | 49.1 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 153.18 | -54.7 | 3.1 | -0.6 | -1.0 | 1.5 | 40.6 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 27.32 | -39.7 | 0.7 | 0.0 | -0.2 | 0.3 | 47.1 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 167.17 | -55.5 | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 75.0 | 24.0 | 50.4 | 77.0 | 457.8 | 0 | 240.66 | -58.6 | 1.2 | -9.8 | -0.4 | 3.0 | 12.5 | 0.0 | 12.5 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | Area | Leq,n | 84.6 | 24.0 | 57.9 | 84.7 | 478.5 | 3 | 199.79 | -57.0 | 2.4 | -2.5 | -1.1 | 5.2 | 34.7 | 0.0 | 34.7 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 155.29 | -54.8 | 2.1 | 0.0 | -1.1 | 0.0 | 21.2 | 0.0 | 21.2 |
| Receiver R2 Fl F 1 dB(A) dB(A) dB(A) Leq,d 56.6 dB(A) Leq,e 47.1 dB(A) Leq,n 47.1 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 22.86 | -38.2 | 1.0 | 0.0 | -0.2 | 0.3 | 49.0 | 4.3 | 53.2 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 153.20 | -54.7 | 2.8 | -0.7 | -0.9 | 1.5 | 40.4 | 4.3 | 44.7 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 27.85 | -39.9 | 0.9 | 0.0 | -0.2 | 0.4 | 47.3 | 4.3 | 51.5 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 167.19 | -55.5 | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) | |
| ID17 - Turbine hall -ID17 - Turbine hall (roof) | 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 | |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | Area | Leq,d | 84.6 | 24.0 | 57.9 | 84.7 | 478.5 | 3 | 199.71 | -57.0 | 2.9 | -2.3 | -1.0 | 5.3 | 35.4 | 0.0 | 35.4 | |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (roof) | 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 -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 | |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 | |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 | |
| ID24 - Water re-cooling 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 | |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 155.16 | -54.8 | 2.7 | 0.0 | -1.0 | 0.0 | 21.9 | 0.0 | 21.9 | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 22.86 | -38.2 | 1.0 | 0.0 | -0.2 | 0.3 | 49.0 | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 153.20 | -54.7 | 2.8 | -0.7 | -0.9 | 1.5 | 40.4 | | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 27.85 | -39.9 | 0.9 | 0.0 | -0.2 | 0.4 | 47.3 | | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 167.19 | -55.5 | 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 | |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 | |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 | |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 | |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 | |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | Area | Leq,e | 84.6 | 24.0 | 57.9 | 84.7 | 478.5 | 3 | 199.71 | -57.0 | 2.9 | -2.3 | -1.0 | 5.3 | 35.4 | 0.0 | 35.4 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 155.16 | -54.8 | 2.7 | 0.0 | -1.0 | 0.0 | 21.9 | 0.0 | 21.9 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 22.86 | -38.2 | 1.0 | 0.0 | -0.2 | 0.3 | 49.0 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 153.20 | -54.7 | 2.8 | -0.7 | -0.9 | 1.5 | 40.4 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 27.85 | -39.9 | 0.9 | 0.0 | -0.2 | 0.4 | 47.3 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 167.19 | -55.5 | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | Area | Leq,n | 84.6 | 24.0 | 57.9 | 84.7 | 478.5 | 3 | 199.71 | -57.0 | 2.9 | -2.3 | -1.0 | 5.3 | 35.4 | 0.0 | 35.4 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 155.16 | -54.8 | 2.7 | 0.0 | -1.0 | 0.0 | 21.9 | 0.0 | 21.9 |
| Receiver R3 FI GF dB(A) dB(A) dB(A) Leq,d 53.0 dB(A) Leq,e 46.2 dB(A) Leq,n 46.2 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 74.91 | -48.5 | 0.1 | -0.2 | -0.6 | 1.9 | 38.7 | 4.3 | 43.0 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 122.78 | -52.8 | 2.2 | -0.3 | -0.8 | 2.6 | 43.3 | 4.3 | 47.5 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 69.31 | -47.8 | 0.2 | -0.2 | -0.5 | 1.9 | 39.5 | 4.3 | 43.8 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 111.38 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | Area | Leq,d | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 292.39 | -60.3 | 1.9 | -6.1 | -2.0 | 3.6 | 12.5 | 0.0 | 12.5 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 131.30 | -53.4 | 1.0 | 0.0 | -1.1 | 3.3 | 24.9 | 0.0 | 24.9 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 74.91 | -48.5 | 0.1 | -0.2 | -0.6 | 1.9 | 38.7 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 122.78 | -52.8 | 2.2 | -0.3 | -0.8 | 2.6 | 43.3 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 69.31 | -47.8 | 0.2 | -0.2 | -0.5 | 1.9 | 39.5 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 111.38 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | Area | Leq,e | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 292.39 | -60.3 | 1.9 | -6.1 | -2.0 | 3.6 | 12.5 | 0.0 | 12.5 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 131.30 | -53.4 | 1.0 | 0.0 | -1.1 | 3.3 | 24.9 | 0.0 | 24.9 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 74.91 | -48.5 | 0.1 | -0.2 | -0.6 | 1.9 | 38.7 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 122.78 | -52.8 | 2.2 | -0.3 | -0.8 | 2.6 | 43.3 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 69.31 | -47.8 | 0.2 | -0.2 | -0.5 | 1.9 | 39.5 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 111.38 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | Area | Leq,n | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 292.39 | -60.3 | 1.9 | -6.1 | -2.0 | 3.6 | 12.5 | 0.0 | 12.5 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 131.30 | -53.4 | 1.0 | 0.0 | -1.1 | 3.3 | 24.9 | 0.0 | 24.9 |
| Receiver R4 Fl GF dB(A) dB(A) dB(A) Leq,d 41.2 dB(A) Leq,e 39.3 dB(A) Leq,n 39.3 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 392.70 | -62.9 | 0.7 | 0.0 | -3.0 | 2.8 | 23.5 | 4.3 | 27.8 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 415.70 | -63.4 | 2.6 | -2.6 | -2.3 | 0.5 | 27.2 | 4.3 | 31.5 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 388.88 | -62.8 | 0.7 | 0.0 | -3.0 | 2.8 | 23.8 | 4.3 | 28.0 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 379.39 | -62.6 | 2.3 | -2.8 | -2.2 | 1.2 | 27.4 | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 | 18.3 | 0.0 | 18.3 |
| ID02 - Tipping hall -ID02 - Tipping hall (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 | 2.5 | -4.7 | 0.0 | -4.7 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 | 8.8 | 0.0 | 8.8 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | Area | Leq,d | 85.6 | 24.0 | 58.9 | 93.3 | 2749.5 | 3 | 472.52 | -64.5 | 0.9 | -24.5 | -2.5 | 2.4 | 8.1 | 0.0 | 8.1 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.6 | 34.4 | 0.0 | 34.4 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (roof) | Area | Leq,d | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.57 | -62.1 | 0.7 | -5.0 | -1.9 | 3.5 | 21.1 | 0.0 | 21.1 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,d | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 1.6 | 0.0 | -3.5 | 1.1 | 9.4 | 0.0 | 9.4 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 329.68 | -61.4 | 0.5 | 0.0 | -2.0 | 0.0 | 12.2 | 0.0 | 12.2 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 392.70 | -62.9 | 0.7 | 0.0 | -3.0 | 2.8 | 23.5 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 415.70 | -63.4 | 2.6 | -2.6 | -2.3 | 0.5 | 27.2 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 388.88 | -62.8 | 0.7 | 0.0 | -3.0 | 2.8 | 23.8 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 379.39 | -62.6 | 2.3 | -2.8 | -2.2 | 1.2 | 27.4 | | |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 | 18.3 | -2.0 | 16.2 |
| ID02 - Tipping hall -ID02 - Tipping hall (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 | 2.5 | -4.7 | 0.0 | -4.7 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, top - cladding) | Area | Leq,e | 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 | 8.8 | 0.0 | 8.8 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | Area | Leq,e | 85.6 | 24.0 | 58.9 | 93.3 | 2749.5 | 3 | 472.52 | -64.5 | 0.9 | -24.5 | -2.5 | 2.4 | 8.1 | 0.0 | 8.1 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.6 | 34.4 | 0.0 | 34.4 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,e | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.57 | -62.1 | 0.7 | -5.0 | -1.9 | 3.5 | 21.1 | 0.0 | 21.1 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,e | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 1.6 | 0.0 | -3.5 | 1.1 | 9.4 | 0.0 | 9.4 |
| 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 329.68 | -61.4 | 0.5 | 0.0 | -2.0 | 0.0 | 12.2 | 0.0 | 12.2 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 392.70 | -62.9 | 0.7 | 0.0 | -3.0 | 2.8 | 23.5 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 415.70 | -63.4 | 2.6 | -2.6 | -2.3 | 0.5 | 27.2 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 388.88 | -62.8 | 0.7 | 0.0 | -3.0 | 2.8 | 23.8 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 379.39 | -62.6 | 2.3 | -2.8 | -2.2 | 1.2 | 27.4 | | |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 | 18.3 | -3.0 | 15.3 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 | 2.5 | -4.7 | 0.0 | -4.7 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 | 8.8 | 0.0 | 8.8 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | Area | Leq,n | 85.6 | 24.0 | 58.9 | 93.3 | 2749.5 | 3 | 472.52 | -64.5 | 0.9 | -24.5 | -2.5 | 2.4 | 8.1 | 0.0 | 8.1 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.6 | 34.4 | 0.0 | 34.4 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.57 | -62.1 | 0.7 | -5.0 | -1.9 | 3.5 | 21.1 | 0.0 | 21.1 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,n | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 1.6 | 0.0 | -3.5 | 1.1 | 9.4 | 0.0 | 9.4 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 329.68 | -61.4 | 0.5 | 0.0 | -2.0 | 0.0 | 12.2 | 0.0 | 12.2 |
| Receiver R4 Fl F 1 dB(A) dB(A) dB(A) Leq,d 42.4 dB(A) Leq,e 40.7 dB(A) Leq,n 40.6 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 392.71 | -62.9 | 0.8 | 0.0 | -2.7 | 2.5 | 23.7 | 4.3 | 28.0 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 415.71 | -63.4 | 3.2 | -2.6 | -2.0 | 0.5 | 28.0 | 4.3 | 32.3 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 388.89 | -62.8 | 0.8 | 0.0 | -2.7 | 2.5 | 24.0 | 4.3 | 28.2 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 379.35 | -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 | 407.63 | -63.2 | 1.6 | -4.4 | -2.2 | 2.9 | 16.9 | 0.0 | 16.9 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 | 10.3 | 0.0 | 10.2 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.7 | 36.0 | 0.0 | 36.0 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.47 | -62.1 | 1.5 | -4.8 | -1.8 | 3.4 | 22.2 | 0.0 | 22.2 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,d | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 2.2 | 0.0 | -2.8 | 2.5 | 12.1 | 0.0 | 12.1 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 329.61 | -61.4 | 1.3 | 0.0 | -1.7 | 0.0 | 13.2 | 0.0 | 13.2 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 392.71 | -62.9 | 0.8 | 0.0 | -2.7 | 2.5 | 23.7 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 415.71 | -63.4 | 3.2 | -2.6 | -2.0 | 0.5 | 28.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 388.89 | -62.8 | 0.8 | 0.0 | -2.7 | 2.5 | 24.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 379.35 | -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 | 407.63 | -63.2 | 1.6 | -4.4 | -2.2 | 2.9 | 16.9 | 0.0 | 16.9 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 | 10.3 | 0.0 | 10.2 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.7 | 36.0 | 0.0 | 36.0 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,e | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.47 | -62.1 | 1.5 | -4.8 | -1.8 | 3.4 | 22.2 | 0.0 | 22.2 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,e | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 2.2 | 0.0 | -2.8 | 2.5 | 12.1 | 0.0 | 12.1 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 329.61 | -61.4 | 1.3 | 0.0 | -1.7 | 0.0 | 13.2 | 0.0 | 13.2 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 392.71 | -62.9 | 0.8 | 0.0 | -2.7 | 2.5 | 23.7 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 415.71 | -63.4 | 3.2 | -2.6 | -2.0 | 0.5 | 28.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 388.89 | -62.8 | 0.8 | 0.0 | -2.7 | 2.5 | 24.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 379.35 | -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 | 407.63 | -63.2 | 1.6 | -4.4 | -2.2 | 2.9 | 16.9 | 0.0 | 16.9 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 | 10.3 | 0.0 | 10.2 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 | 3.7 | 36.0 | 0.0 | 36.0 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 84.6 | 24.0 | 57.9 | 86.0 | 653.6 | 0 | 360.47 | -62.1 | 1.5 | -4.8 | -1.8 | 3.4 | 22.2 | 0.0 | 22.2 |
| ID18 - Water treatment plant -Water Treatment Plant Roller Shutter Door | Area | Leq,n | 84.6 | 25.0 | 58.5 | 69.3 | 12.0 | 3 | 358.82 | -62.1 | 2.2 | 0.0 | -2.8 | 2.5 | 12.1 | 0.0 | 12.1 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 329.61 | -61.4 | 1.3 | 0.0 | -1.7 | 0.0 | 13.2 | 0.0 | 13.2 |
| Receiver R5 Fl GF dB(A) dB(A) dB(A) Leq,d 38.4 dB(A) Leq,e 37.6 dB(A) Leq,n 37.5 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 608.60 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.2 | 4.3 | 18.5 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 614.60 | -66.8 | 2.7 | -7.4 | -3.0 | 1.2 | 19.0 | 4.3 | 23.3 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 609.76 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.3 | 4.3 | 18.6 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 562.06 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | Area | Leq,d | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 545.93 | -65.7 | 1.3 | -4.7 | -4.4 | 3.1 | 23.7 | 0.0 | 23.7 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | Area | Leq,d | 75.0 | 24.0 | 50.4 | 66.5 | 40.2 | 0 | 545.76 | -65.7 | 0.8 | -16.6 | -0.3 | 6.5 | -8.9 | 0.0 | -8.9 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 522.32 | -65.4 | 1.0 | -4.5 | -2.6 | 0.0 | 3.6 | 0.0 | 3.6 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 608.60 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.2 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 614.60 | -66.8 | 2.7 | -7.4 | -3.0 | 1.2 | 19.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 609.76 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.3 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 562.06 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | Area | Leq,e | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 545.93 | -65.7 | 1.3 | -4.7 | -4.4 | 3.1 | 23.7 | 0.0 | 23.7 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | Area | Leq,e | 75.0 | 24.0 | 50.4 | 66.5 | 40.2 | 0 | 545.76 | -65.7 | 0.8 | -16.6 | -0.3 | 6.5 | -8.9 | 0.0 | -8.9 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 522.32 | -65.4 | 1.0 | -4.5 | -2.6 | 0.0 | 3.6 | 0.0 | 3.6 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 608.60 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.2 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 614.60 | -66.8 | 2.7 | -7.4 | -3.0 | 1.2 | 19.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 609.76 | -66.7 | 0.8 | -3.7 | -3.4 | 1.2 | 14.3 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 562.06 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | Area | Leq,n | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 545.93 | -65.7 | 1.3 | -4.7 | -4.4 | 3.1 | 23.7 | 0.0 | 23.7 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | Area | Leq,n | 75.0 | 24.0 | 50.4 | 66.5 | 40.2 | 0 | 545.76 | -65.7 | 0.8 | -16.6 | -0.3 | 6.5 | -8.9 | 0.0 | -8.9 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 522.32 | -65.4 | 1.0 | -4.5 | -2.6 | 0.0 | 3.6 | 0.0 | 3.6 |
| Receiver R6 Fl GF dB(A) dB(A) dB(A) Leq,d 37.0 dB(A) Leq,e 34.8 dB(A) Leq,n 34.8 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 388.58 | -62.8 | 0.7 | -0.7 | -3.0 | 0.7 | 20.9 | 4.3 | 25.1 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 526.00 | -65.4 | 2.8 | -2.9 | -3.0 | 0.5 | 24.4 | 4.3 | 28.6 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 385.03 | -62.7 | 0.7 | -0.6 | -3.0 | 0.6 | 21.1 | 4.3 | 25.3 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 521.53 | -65.3 | 2.8 | -3.5 | -2.5 | 0.4 | 23.4 | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | Area | Leq,d | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 634.39 | -67.0 | 1.4 | -4.7 | -4.2 | 0.0 | 0.9 | 0.0 | 0.9 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 475.39 | -64.5 | 1.1 | -4.5 | -2.4 | 0.0 | 4.6 | 0.0 | 4.6 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 388.58 | -62.8 | 0.7 | -0.7 | -3.0 | 0.7 | 20.9 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 526.00 | -65.4 | 2.8 | -2.9 | -3.0 | 0.5 | 24.4 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 385.03 | -62.7 | 0.7 | -0.6 | -3.0 | 0.6 | 21.1 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 521.53 | -65.3 | 2.8 | -3.5 | -2.5 | 0.4 | 23.4 | | |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | Area | Leq,e | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 634.39 | -67.0 | 1.4 | -4.7 | -4.2 | 0.0 | 0.9 | 0.0 | 0.9 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling system (full load) | Area | Leq,e | | | 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 475.39 | -64.5 | 1.1 | -4.5 | -2.4 | 0.0 | 4.6 | 0.0 | 4.6 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 388.58 | -62.8 | 0.7 | -0.7 | -3.0 | 0.7 | 20.9 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 526.00 | -65.4 | 2.8 | -2.9 | -3.0 | 0.5 | 24.4 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 385.03 | -62.7 | 0.7 | -0.6 | -3.0 | 0.6 | 21.1 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 521.53 | -65.3 | 2.8 | -3.5 | -2.5 | 0.4 | 23.4 | | |
| B - Loader (external movements) | Line | Leq,n | | | 57.2 | 83.9 | 476.8 | 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 | 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,n | | | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | Area | Leq,n | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 634.39 | -67.0 | 1.4 | -4.7 | -4.2 | 0.0 | 0.9 | 0.0 | 0.9 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) | |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (roof) | 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 | |
| ID24 - Water re-cooling 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 | |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 475.39 | -64.5 | 1.1 | -4.5 | -2.4 | 0.0 | 4.6 | 0.0 | 4.6 | |
| Receiver R7 FI GF dB(A) dB(A) dB(A) Leq,d 43.7 dB(A) Leq,e 42.3 dB(A) Leq,n 41.8 dB(A) | | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 550.25 | -65.8 | 1.7 | -7.3 | -2.6 | 2.8 | 14.8 | 4.3 | 19.1 | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 478.42 | -64.6 | 2.8 | -10.0 | -2.2 | 2.2 | 20.5 | 4.3 | 24.8 | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 550.75 | -65.8 | 1.5 | -7.0 | -2.6 | 2.9 | 15.0 | 4.3 | 19.3 | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 414.99 | -63.4 | 2.5 | -6.9 | -2.0 | 2.8 | 24.6 | 4.3 | 28.8 | |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 454.92 | -64.2 | 1.5 | -6.3 | -3.6 | 3.9 | 26.9 | 0.0 | 26.9 | |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 | |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 | |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 | |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 | |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 | |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 412.15 | -63.3 | 0.8 | -4.0 | -2.0 | 2.3 | 8.7 | 0.0 | 8.7 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 550.25 | -65.8 | 1.7 | -7.3 | -2.6 | 2.8 | 14.8 | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 478.42 | -64.6 | 2.8 | -10.0 | -2.2 | 2.2 | 20.5 | | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 550.75 | -65.8 | 1.5 | -7.0 | -2.6 | 2.9 | 15.0 | | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 414.99 | -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 | |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,e | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 454.92 | -64.2 | 1.5 | -6.3 | -3.6 | 3.9 | 26.9 | 0.0 | 26.9 | |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 | |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 | |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 | |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 | |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 | |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 | |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 | |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 412.15 | -63.3 | 0.8 | -4.0 | -2.0 | 2.3 | 8.7 | 0.0 | 8.7 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 550.25 | -65.8 | 1.7 | -7.3 | -2.6 | 2.8 | 14.8 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 478.42 | -64.6 | 2.8 | -10.0 | -2.2 | 2.2 | 20.5 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 550.75 | -65.8 | 1.5 | -7.0 | -2.6 | 2.9 | 15.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 414.99 | -63.4 | 2.5 | -6.9 | -2.0 | 2.8 | 24.6 | | |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 454.92 | -64.2 | 1.5 | -6.3 | -3.6 | 3.9 | 26.9 | 0.0 | 26.9 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 412.15 | -63.3 | 0.8 | -4.0 | -2.0 | 2.3 | 8.7 | 0.0 | 8.7 |
| Receiver R8 Fl GF dB(A) dB(A) dB(A) Leq,d 36.3 dB(A) Leq,e 35.1 dB(A) Leq,n 34.8 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 793.18 | -69.0 | 1.9 | -6.6 | -3.8 | 1.2 | 9.6 | 4.3 | 13.9 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 663.37 | -67.4 | 2.8 | -12.3 | -3.1 | 0.8 | 13.1 | 4.3 | 17.4 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 794.21 | -69.0 | 1.7 | -6.4 | -3.9 | 1.1 | 9.6 | 4.3 | 13.9 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 601.31 | -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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.42 | -66.2 | 1.5 | -11.5 | -3.9 | 8.9 | 24.4 | 0.0 | 24.4 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 643.89 | -67.2 | 1.2 | -4.5 | -2.9 | 0.8 | 2.5 | 0.0 | 2.5 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 793.18 | -69.0 | 1.9 | -6.6 | -3.8 | 1.2 | 9.6 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 663.37 | -67.4 | 2.8 | -12.3 | -3.1 | 0.8 | 13.1 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 794.21 | -69.0 | 1.7 | -6.4 | -3.9 | 1.1 | 9.6 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 601.31 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (roof) | Area | Leq,e | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.42 | -66.2 | 1.5 | -11.5 | -3.9 | 8.9 | 24.4 | 0.0 | 24.4 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | Area | Leq,e | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 643.89 | -67.2 | 1.2 | -4.5 | -2.9 | 0.8 | 2.5 | 0.0 | 2.5 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 793.18 | -69.0 | 1.9 | -6.6 | -3.8 | 1.2 | 9.6 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 663.37 | -67.4 | 2.8 | -12.3 | -3.1 | 0.8 | 13.1 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 794.21 | -69.0 | 1.7 | -6.4 | -3.9 | 1.1 | 9.6 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 601.31 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.42 | -66.2 | 1.5 | -11.5 | -3.9 | 8.9 | 24.4 | 0.0 | 24.4 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 643.89 | -67.2 | 1.2 | -4.5 | -2.9 | 0.8 | 2.5 | 0.0 | 2.5 |
| Receiver R8 Fl F 1 dB(A) dB(A) dB(A) Leq,d 37.8 dB(A) Leq,e 36.4 dB(A) Leq,n 35.9 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 793.18 | -69.0 | 2.4 | -6.1 | -3.5 | 1.0 | 10.7 | 4.3 | 15.0 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 663.37 | -67.4 | 3.5 | -11.1 | -2.8 | 0.6 | 15.0 | 4.3 | 19.3 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 794.22 | -69.0 | 2.2 | -6.0 | -3.7 | 1.0 | 10.5 | 4.3 | 14.8 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 601.31 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.35 | -66.2 | 1.6 | -6.2 | -4.3 | 5.5 | 26.0 | 0.0 | 26.0 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | Area | Leq,d | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 569.25 | -66.1 | 1.5 | -4.8 | -4.5 | 2.5 | 22.8 | 0.0 | 22.8 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 643.86 | -67.2 | 1.9 | -4.7 | -2.6 | 0.7 | 3.1 | 0.0 | 3.1 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 793.18 | -69.0 | 2.4 | -6.1 | -3.5 | 1.0 | 10.7 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 663.37 | -67.4 | 3.5 | -11.1 | -2.8 | 0.6 | 15.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 794.22 | -69.0 | 2.2 | -6.0 | -3.7 | 1.0 | 10.5 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 601.31 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,e | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.35 | -66.2 | 1.6 | -6.2 | -4.3 | 5.5 | 26.0 | 0.0 | 26.0 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | Area | Leq,e | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 569.25 | -66.1 | 1.5 | -4.8 | -4.5 | 2.5 | 22.8 | 0.0 | 22.8 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 643.86 | -67.2 | 1.9 | -4.7 | -2.6 | 0.7 | 3.1 | 0.0 | 3.1 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 793.18 | -69.0 | 2.4 | -6.1 | -3.5 | 1.0 | 10.7 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 663.37 | -67.4 | 3.5 | -11.1 | -2.8 | 0.6 | 15.0 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 794.22 | -69.0 | 2.2 | -6.0 | -3.7 | 1.0 | 10.5 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 601.31 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,n | 89.0 | 24.0 | 62.1 | 95.6 | 2230.2 | 0 | 576.35 | -66.2 | 1.6 | -6.2 | -4.3 | 5.5 | 26.0 | 0.0 | 26.0 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | Area | Leq,n | 89.0 | 24.0 | 62.1 | 94.2 | 1589.6 | 0 | 569.25 | -66.1 | 1.5 | -4.8 | -4.5 | 2.5 | 22.8 | 0.0 | 22.8 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 643.86 | -67.2 | 1.9 | -4.7 | -2.6 | 0.7 | 3.1 | 0.0 | 3.1 |
| Receiver R9 Fl GF dB(A) dB(A) dB(A) Leq,d 31.5 dB(A) Leq,e 29.0 dB(A) Leq,n 28.8 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 529.09 | -65.5 | 0.7 | 0.0 | -3.7 | 0.3 | 17.8 | 4.3 | 22.0 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 597.83 | -66.5 | 2.0 | -9.2 | -2.7 | 1.0 | 16.9 | 4.3 | 21.1 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 530.02 | -65.5 | 0.7 | 0.0 | -3.7 | 0.0 | 17.6 | 4.3 | 21.9 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 657.75 | -67.4 | 2.8 | -9.1 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) | |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 | |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 | |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 | |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 | |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 | |
| ID24 - Water re-cooling 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 | |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 653.68 | -67.3 | 1.5 | -4.5 | -3.0 | 1.2 | 2.9 | 0.0 | 2.9 | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 529.09 | -65.5 | 0.7 | 0.0 | -3.7 | 0.3 | 17.8 | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 597.83 | -66.5 | 2.0 | -9.2 | -2.7 | 1.0 | 16.9 | | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 530.02 | -65.5 | 0.7 | 0.0 | -3.7 | 0.0 | 17.6 | | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 657.75 | -67.4 | 2.8 | -9.1 | -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 | |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 | |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 | |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 | |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 | |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 653.68 | -67.3 | 1.5 | -4.5 | -3.0 | 1.2 | 2.9 | 0.0 | 2.9 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 529.09 | -65.5 | 0.7 | 0.0 | -3.7 | 0.3 | 17.8 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 597.83 | -66.5 | 2.0 | -9.2 | -2.7 | 1.0 | 16.9 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 530.02 | -65.5 | 0.7 | 0.0 | -3.7 | 0.0 | 17.6 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 657.75 | -67.4 | 2.8 | -9.1 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID18 - Water treatment plant -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 653.68 | -67.3 | 1.5 | -4.5 | -3.0 | 1.2 | 2.9 | 0.0 | 2.9 |
| Receiver R9 Fl F 1 dB(A) dB(A) dB(A) Leq,d 33.3 dB(A) Leq,e 30.6 dB(A) Leq,n 30.3 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 529.10 | -65.5 | 1.0 | 0.0 | -3.4 | 0.2 | 18.4 | 4.3 | 22.6 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 597.84 | -66.5 | 2.6 | -7.8 | -2.4 | 1.2 | 19.3 | 4.3 | 23.6 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 530.03 | -65.5 | 1.0 | 0.0 | -3.4 | 0.0 | 18.2 | 4.3 | 22.5 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 657.77 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 653.65 | -67.3 | 2.1 | -4.6 | -2.6 | 1.2 | 3.8 | 0.0 | 3.8 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 529.10 | -65.5 | 1.0 | 0.0 | -3.4 | 0.2 | 18.4 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 597.84 | -66.5 | 2.6 | -7.8 | -2.4 | 1.2 | 19.3 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 530.03 | -65.5 | 1.0 | 0.0 | -3.4 | 0.0 | 18.2 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 657.77 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID05 - Boiler house building -ID05 - Boiler house building (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 653.65 | -67.3 | 2.1 | -4.6 | -2.6 | 1.2 | 3.8 | 0.0 | 3.8 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 529.10 | -65.5 | 1.0 | 0.0 | -3.4 | 0.2 | 18.4 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 597.84 | -66.5 | 2.6 | -7.8 | -2.4 | 1.2 | 19.3 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 530.03 | -65.5 | 1.0 | 0.0 | -3.4 | 0.0 | 18.2 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 657.77 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 653.65 | -67.3 | 2.1 | -4.6 | -2.6 | 1.2 | 3.8 | 0.0 | 3.8 |
| Receiver R10 Fl GF dB(A) dB(A) dB(A) Leq,d 33.2 dB(A) Leq,e 31.0 dB(A) Leq,n 30.4 dB(A) | | | | | | | | | | | | | | | | | |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 539.59 | -65.6 | 0.7 | -6.7 | -2.8 | 0.0 | 11.5 | 4.3 | 15.8 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 628.26 | -67.0 | 2.1 | -9.1 | -2.5 | 2.5 | 18.3 | 4.3 | 22.6 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 538.45 | -65.6 | 0.7 | -6.3 | -2.8 | 0.0 | 12.1 | 4.3 | 16.3 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 684.35 | -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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 674.71 | -67.6 | 1.5 | -4.4 | -2.9 | 0.0 | 1.6 | 0.0 | 1.6 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 539.59 | -65.6 | 0.7 | -6.7 | -2.8 | 0.0 | 11.5 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 628.26 | -67.0 | 2.1 | -9.1 | -2.5 | 2.5 | 18.3 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 538.45 | -65.6 | 0.7 | -6.3 | -2.8 | 0.0 | 12.1 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 684.35 | -67.7 | 2.8 | -11.4 | -2.7 | 1.0 | 13.6 | | |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 674.71 | -67.6 | 1.5 | -4.4 | -2.9 | 0.0 | 1.6 | 0.0 | 1.6 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 539.59 | -65.6 | 0.7 | -6.7 | -2.8 | 0.0 | 11.5 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 628.26 | -67.0 | 2.1 | -9.1 | -2.5 | 2.5 | 18.3 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 538.45 | -65.6 | 0.7 | -6.3 | -2.8 | 0.0 | 12.1 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 684.35 | -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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 674.71 | -67.6 | 1.5 | -4.4 | -2.9 | 0.0 | 1.6 | 0.0 | 1.6 |
| Receiver R10 Fl F 1 dB(A) dB(A) dB(A) Leq,d 34.4 dB(A) Leq,e 32.3 dB(A) Leq,n 31.7 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 86.0 | 194.8 | 0 | 539.60 | -65.6 | 1.0 | -6.3 | -2.8 | 0.0 | 12.3 | 4.3 | 16.5 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 66.1 | 92.3 | 422.5 | 0 | 628.28 | -67.0 | 2.6 | -7.4 | -2.5 | 2.3 | 20.4 | 4.3 | 24.7 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.1 | 199.5 | 0 | 538.45 | -65.6 | 1.0 | -5.9 | -2.8 | 0.0 | 12.7 | 4.3 | 17.0 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 66.1 | 91.6 | 353.6 | 0 | 684.36 | -67.7 | 3.5 | -9.5 | -2.6 | 0.9 | 16.1 | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 674.68 | -67.6 | 2.1 | -4.4 | -2.6 | 0.0 | 2.5 | 0.0 | 2.5 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 86.0 | 194.8 | 0 | 539.60 | -65.6 | 1.0 | -6.3 | -2.8 | 0.0 | 12.3 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 66.1 | 92.3 | 422.5 | 0 | 628.28 | -67.0 | 2.6 | -7.4 | -2.5 | 2.3 | 20.4 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.1 | 199.5 | 0 | 538.45 | -65.6 | 1.0 | -5.9 | -2.8 | 0.0 | 12.7 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 66.1 | 91.6 | 353.6 | 0 | 684.36 | -67.7 | 3.5 | -9.5 | -2.6 | 0.9 | 16.1 | | |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 674.68 | -67.6 | 2.1 | -4.4 | -2.6 | 0.0 | 2.5 | 0.0 | 2.5 |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 86.0 | 194.8 | 0 | 539.60 | -65.6 | 1.0 | -6.3 | -2.8 | 0.0 | 12.3 | | |
| A - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 66.1 | 92.3 | 422.5 | 0 | 628.28 | -67.0 | 2.6 | -7.4 | -2.5 | 2.3 | 20.4 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.1 | 199.5 | 0 | 538.45 | -65.6 | 1.0 | -5.9 | -2.8 | 0.0 | 12.7 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 66.1 | 91.6 | 353.6 | 0 | 684.36 | -67.7 | 3.5 | -9.5 | -2.6 | 0.9 | 16.1 | | |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | 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 (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekends

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) | |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (roof) | 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 | |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 -ID13 - Compressed air station (facade) | 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 | |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 | |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 | |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (roof) | 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 | |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 -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 | |
| 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 (facade) | 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 (facade) | 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 (facade) | 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 | |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (roof) | 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 | |
| ID24 - Water re-cooling 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 | |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 674.68 | -67.6 | 2.1 | -4.4 | -2.6 | 0.0 | 2.5 | 0.0 | 2.5 | |

## Table 7C.7 Mean source propagation $L_{Aeq}$ calculations of weekday operational noise at 10 New Bridge Lane with acoustic fence

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays, 10 NBL Barrier

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| Receiver R3 Fl GF dB(A) dB(A) dB(A) Leq,d 51.9 dB(A) Leq,e 44.7 dB(A) Leq,n 43.7 dB(A) | | | | | | | | | | | | | | | | | |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,d | | | 63.1 | 85.9 | 194.4 | 0 | 75.04 | -48.5 | 0.1 | -8.2 | -0.4 | 1.9 | 30.9 | 10.8 | 41.7 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,d | | | 63.1 | 86.0 | 198.9 | 0 | 69.70 | -47.9 | 0.2 | -8.9 | -0.3 | 1.8 | 31.0 | 10.8 | 41.8 |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | Area | Leq,d | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 292.39 | -60.3 | 1.9 | -6.1 | -2.0 | 4.6 | 13.5 | 0.0 | 13.5 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | Area | Leq,d | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays, 10 NBL Barrier

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,d | | | 75.0 | 75.0 | | 0 | 131.30 | -53.4 | 1.0 | -4.6 | -0.8 | 4.3 | 21.6 | 0.0 | 21.6 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,e | | | 63.1 | 85.9 | 194.4 | 0 | 75.04 | -48.5 | 0.1 | -8.2 | -0.4 | 1.9 | 30.9 | -3.0 | 27.9 |
| A - HGV deliveries of waste (leaving site) | Line | Leq,e | | | 63.1 | 86.0 | 198.9 | 0 | 69.70 | -47.9 | 0.2 | -8.9 | -0.3 | 1.8 | 31.0 | -3.0 | 28.0 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays, 10 NBL Barrier

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | Area | Leq,e | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 292.39 | -60.3 | 1.9 | -6.1 | -2.0 | 4.6 | 13.5 | 0.0 | 13.5 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays, 10 NBL Barrier

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID07b - Bag filter houses -ID07b - Bag filter houses (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 |
| 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 (facade) | 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 |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 |
| 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 (facade) | 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 |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 |
| 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 (facade) | 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 |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID24 - Water re-cooling 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 |
| ID28 - 132kV switching compound | Point | Leq,e | | | 75.0 | 75.0 | | 0 | 131.30 | -53.4 | 1.0 | -4.6 | -0.8 | 4.3 | 21.6 | 0.0 | 21.6 |
| A - HGV deliveries of waste (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 - HGV deliveries of waste (accessing site) | Line | Leq,n | | | 63.1 | 85.9 | 194.4 | 0 | 75.04 | -48.5 | 0.1 | -8.2 | -0.4 | 1.9 | 30.9 | | |
| A - HGV deliveries of waste (leaving site) | Line | Leq,n | | | 63.1 | 86.0 | 198.9 | 0 | 69.70 | -47.9 | 0.2 | -8.9 | -0.3 | 1.8 | 31.0 | | |
| A - HGV deliveries of waste (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 | | | 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 |
| 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays, 10 NBL Barrier

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) |
| ID02 - Tipping hall -ID02 - Tipping hall (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 doors | 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 |
| ID02 - Tipping hall -ID02 - Tipping hall doors | 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade 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 (facade 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (facade, 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 (facade, 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 (facade, 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 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (facade, 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 (roof) | Area | Leq,n | 78.0 | 24.0 | 51.3 | 75.3 | 255.5 | 0 | 292.39 | -60.3 | 1.9 | -6.1 | -2.0 | 4.6 | 13.5 | 0.0 | 13.5 |
| ID04 - Waste bunker building -ID04 - Waste bunker building (roof) | 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 (roof) | 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 (roof) | 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 |
| ID05 - Boiler house building -ID05 - Boiler house building (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 (facade) | 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 |
| ID07a - APC plant, silos and reactors -ID07a - APC plant, silos and reactors (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (facade) | 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 (facade) | 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 |
| ID07b - Bag filter houses -ID07b - Bag filter houses (facade) | 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 (roof) | 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 |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 |

# medworthEfW Mean propagation Leq - EfW CHP Facility, Weekdays, 10 NBL Barrier

| Source | Source type | Time slice | Li | R'w | L'w | Lw | l or A | Ko | S | Adiv | Agr | Abar | Aatm | dLrefl | Ls | dLw | Lr | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | dB(A) | dB | dB(A) | dB(A) | m,m² | dB | m | dB | dB | dB | dB | dB(A) | dB(A) | dB | dB(A) | |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 | |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 | |
| ID08 - Induced draft fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (facade) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 fan buildings -ID08 - Induced draft fan buildings (roof) | 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 | |
| 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 (facade) | 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 | |
| ID10 - Switchgear building -ID10 - Switchgear building (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 | |
| ID13 - Compressed air station -ID13 - Compressed air station (facade) | 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 (facade) | 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 (facade) | 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 -ID13 - Compressed air station (facade) | 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 | |
| ID13 - Compressed air station -ID13 - Compressed air station (roof) | 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 | |
| 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 (facade) | 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 | |
| ID17 - Turbine hall -ID17 - Turbine hall (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 | |
| ID18 - Water treatment plant -ID18 - Water treatment plant (facade) | 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 (facade) | 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 (facade) | 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 (facade) | 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 -ID18 - Water treatment plant (roof) | 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 -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 | |
| 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 (facade) | 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 | |
| ID23 - Private wire switchgear compound -ID23 - Private wire switchgear compound (facade) | 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 (facade) | 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 (facade) | 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 (roof) | 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 | |
| ID24 - Water re-cooling 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 | |
| ID28 - 132kV switching compound | Point | Leq,n | | | 75.0 | 75.0 | | 0 | 131.30 | -53.4 | 1.0 | -4.6 | -0.8 | 4.3 | 21.6 | 0.0 | 21.6 | |

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