



**ENVIRONMENTAL PERMIT APPLICATION –  
SUPPORTING STATEMENT**

**MERIDEN WASTE TRANSFER STATION  
CORNETS END LANE  
MERIDEN  
COVENTRY  
CV7 7LG**


**Document Reference: BF5066/05.R1  
May 2022**



**Project Quality Assurance  
Information Sheet**

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CV7 7LG**

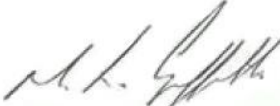
**Report Status** : Final  
**Report Reference** : BF5066/05.R1  
**Report Date** : May 2022  
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Revision	Date	Amendment Details	Author	Reviewer
0	May 2022	First Issue	R Chapple	D Thomas
1	October 2022	Amendments to account for a revised permit boundary and operational layout	R Chapple	D Thomas

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**BIFFA WASTE SERVICES LTD  
MERIDEN WASTE TRANSFER STATION  
CORNETS END LANE,  
MERIDEN,  
COVENTRY,  
CV7 7LG**

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## 1.0 INTRODUCTION

### 1.1 Scope & Background

- 1.1.1 Sirius Environmental Limited (Sirius) have been commissioned by Biffa Waste Services Limited (Biffa) to prepare a Bespoke Environmental Permit Application (EPA) for a non-hazardous Waste Transfer Station at their proposed site located at Cornets End Lane, Meriden, Coventry, CV7 7LG.
- 1.1.2 Biffa Waste Services ('Biffa') are applying for an Environmental Permit to operate a Waste Transfer Station (WTS) for non-hazardous industrial and commercial wastes. The facility will principally operate as a bulking station for commercial and industrial waste streams pending transfer for recovery at other waste management facilities operation by Biffa. Treatment operations will be limited to the manual and plant assisted sorting/separation of wastes.
- 1.1.3 The details of the application proposal are given in **Section 1.3**, below.
- 1.1.4 Please note, Environment Agency guidance stipulates that all bespoke waste and installations permit applications must carry out a climate change risk assessment if the planned duration of the operation is more than 5 years. The screening assessment takes into account longevity of the operations and infrastructure, susceptibility of the operations and infrastructure to risk of flooding from rivers, the sea or surface water and water use as part of site operations. The Climate Change Risk Assessment is included in **Section 6.0** of this report.

### 1.2 Site Setting

- 1.2.1 The proposed site to which the application will relate is an existing industrial site located on Cornets End Lane, Meriden, CV7 7LG. The National Grid Reference (NGR) for the site is SP 23044 81103. The site location has been depicted in **Drawing No. BF5066/12/01**.
- 1.2.2 The site was originally constructed to support other waste management activities that were regulated under two separate Environmental Permits. These activities included a Biomass Energy Plant (BEP) and Waste-Water Treatment Facility (WWTF). Both companies to which the permits were issued have since been dissolved and the associated permits are to be cancelled by the Environment Agency. The existing site infrastructure will therefore be used and adapted to support the proposed waste collection services and transfer operations to be carried out by Biffa.
- 1.2.3 The site itself currently comprises two buildings; one of which will form the waste transfer station for the reception, storage and treatment of wastes, and include a maintenance and repair workshop; whilst the other which will contain the site offices and welfare facilities. The associated external areas comprise the surface water attenuation pond, staff car and Refuse Collection Vehicles (RCVs) parking areas, staff welfare facilities, as well as rainwater tanks and sprinkler pumps for fire suppression. The area to the east of the proposed environmental permit boundary will be used for the parking of RCVs associated with Biffa's Industrial and Commercial waste collection services fleet of vehicles (this activity is not required to be permitted). Entrance and egress to and from the site for heavy goods vehicles is via a junction off a private road that provides access to the adjacent quarry, which junctions with Cornets End Lane to the southwest of the site. The site entrances are gated and will be locked outside of operational hours. Palisade fencing surrounds the site perimeter.

- 1.2.4 The proposed permitted boundary area is depicted in **Drawing No.: BF5066/12/02**. The site is bounded to the north by Cornets End Lane, beyond which lies an operational quarry and the associated mineral processing and product manufacturing plants and buildings. To the east lies undeveloped land and 'Midland Mix Concrete', a ready-mixed concrete producer. Cornets End Lane is located along the site's southern boundary, beyond which lies an operational and partially restored Berkswell Quarry and Landfill facility. The land to the west of the site is occupied by undeveloped land and trees, beyond which lies Cornets End Lane, a road-side café within a storage container named 'Rachel's Café' and a Pet Boarding Service (In The Doghouse (Solihull) Limited).
- 1.2.5 The village of Meriden is located approximately 1.6km to the north-east of the site, the outskirts of Coventry lie ~7.8km to the east, Solihull is located ~7.8km to the west and the junction of Cornets End Lane and the A452 is ~ 1km north-west of the site. The site lies within an area subject to extensive sand and gravel extraction (and associated restoration), together with agricultural land and Golf Courses, namely North Warwickshire Golf Club which is ~ 370m to the north of the site, as well as Stonebridge Golf Club and Midlands Golf Stonebridge, which lie approximately 1.2km and 1.7km to the north-northwest of the site respectively.
- 1.2.6 The closest residential properties are Keepers Cottage at a distance of approximately 115m to the east-southeast of the site boundary, Cornets End Farm ~310m to the east and Hornbrook Farm c. 530m to the west. The remainder of the surrounding area is occupied predominantly by agricultural land.
- 1.2.7 The local topography is relatively flat with a gently undulating landscape.
- 1.2.8 The site does not lie within 2km of an Area of Outstanding Natural Beauty (AONB), Local Nature Reserve (LNR), National Nature Reserve (NNR), Ramsar site, Site of Special Scientific Interest (SSSI), Special Protected Area (SPA), Special Area of Conservation (SAC) or a Source Protection Zone (SPZ).
- 1.2.9 There are five ancient woodlands situated within 2km of the site. These include The Sommers woodland ~880m north-northwest of the site, The Bogs woodland ~1km south-east and ~1.2km south, Siden Hill Wood c. 1.6km west-southwest and Garden Wood c. 1.6km south-southeast. Deciduous woodland is also present within 2km in all directions, the closest of which lies approximately ~15m north-west of the site boundary at its closest point and extends west and north of the site. These deciduous woodlands are designated as priority habitats.
- 1.2.10 The site does lie within a Nitrate vulnerable Zone (NVZ). These are defined as areas designated as being at risk from agricultural nitrate pollution. The designations are made in accordance with the Nitrate Pollution Prevention Regulations 2015. All permitted waste activities will be undertaken within designated areas of the site. Access to the main building within which waste storage will occur will be gained after the vehicles have been checked in through the site waste reception area. The indicative operational layout of the site is illustrated on **Drawing No.: BF5066/12/03**. Egress from the site is via the quarry access road to the north of the site, which junctions with Cornet End Lane to the southwest of the site.

### 1.3 Summary of Environmental Permit Application

- 1.3.1 Biffa propose to operate a non-hazardous Waste Transfer Station (WTS) which will accept industrial and commercial waste for sorting, bulking and the recovery of recyclables, such as metals. The proposed Environmental Permit boundary is shown in **Drawing No. BF5066/12/02**.
- 1.3.2 The proposed European Waste Category (EWC) codes to be permitted at the site are listed in **Appendix SS2**. The maximum tonnage of permitted non-hazardous waste to be accepted and processed at the facility during any one year shall not exceed 50,000 tonnes. This will comprise of general wastes which will be transferred from the site to Biffa's Newhurst Energy Recovery Facility (ERF) in Leicester, dry mixed recyclates which will be transferred from the site to Biffa's Tipton transfer station for processing and recovery and construction and demolition waste which will be transferred from the site to Biffa's Oldbury transfer station for recovery.
- 1.3.3 Waste treatment will be limited to manual and plant assisted sorting and bulking only. All wastes will be handled within a fully enclosed building.
- 1.3.4 Basic Pre-Application Advice was sought (Reference: EPR/LB3003TZ/A001) which advised on the required application forms, the required supporting documents and provided a nature and heritage screening. According to the Environment Agency (Environmental Permitting) (England) Charging Scheme (2019; v1.0), the application falls under Section 1.16.6 – 'Household, commercial and industrial waste transfer station; includes assessment of fire prevention plan and odour management plan'. The associated fee for this application is considered to be £9,176, which includes for the assessment of an Odour Management Plan and Fire Prevention Plan.
- 1.3.5 This Supporting Statement has been written to outline the proposed activities at the site as well as form the site's Environmental Management System (EMS). This Environmental Permit Application (EPA) comprises the following documents:
- Application Forms (Parts A, B2, B4 and F1)
  - Non-Technical Summary,
  - Supporting Statement
  - Site Condition Report
  - Environmental and Accident Risk Assessment
  - Dust Emissions Management Plan
  - Odour Management Plan
  - Fire Prevention Plan
  - Supporting Drawings

## 2.0 PROCESS CONTROLS / ACTIVITIES

### 2.1 Permitted Wastes and Quantities

2.1.1 The maximum quantity of waste to be accepted at the Waste Transfer Station (WTS) per year will be 50,000 tonnes. A full list of wastes to be permitted at the facility is presented in **Appendix SS2**.

2.1.2 A list of maximum storage capacities is presented in **Table SS2**, below. The maximum quantity of waste to be stored on site at any one time will not exceed c. 2,200 tonnes.

### 2.2 Waste Acceptance

2.2.1 All commercial and industrial waste collection and transfer enquiries received from customers will be handled by Biffa's National Customer Service Team. This team will collate all the necessary pre-acceptance information, including details of the waste producer and waste characterisation details. Only once all the necessary information has been collated and shown to conform to the site permit will the customer and the site staff be notified that the wastes can be delivered. Details of the wastes that will be delivered will be forwarded to the site weighbridge operator ahead of delivery to the site.

2.2.2 The indicative operational layout for the site is shown in **Drawing No.: BF5066/12/03**.

2.2.3 Following Pre-Acceptance checks, all waste deliveries will access the site via Cornets End Lane and the private quarry access road. Waste delivery vehicles entering the site will be directed over a weighbridge where transfer and consignment notes are deposited, and the vehicle is weighed in. A visual inspection is carried out by the Weighbridge Operative prior to the load being directed to appropriate tipping area within the WTS building for unloading.

2.2.4 All materials are received, inspected, accepted or rejected and recorded in accordance with the site's Management Plan. All operatives on site will have knowledge of the Environmental Permit and on the types and forms of waste accepted and prohibited at the facility.

2.2.5 During the waste acceptance procedures, records will be kept at the site office of the following:

- Date and time of waste deliveries
- Waste quantities
- Waste type being delivered to the site
- The origin of the waste being delivered
- The name of the company and their representations (if applicable) delivering each load of waste and vehicle registration number.

2.2.6 During the visual inspections, an appropriately trained staff member will determine the basic characteristics of the waste to ensure it accords with the pre-acceptance paperwork, as well as the permitted waste types and quantities on site.

2.2.7 Once the load has been deposited in the enclosed tipping area within the WTS building, a further inspection will be made by the Site Operations Manager, Technically Competent Manager (TCM) or a nominated deputy. If accepted, the waste will then be deposited straight into the relevant storage bay (i.e. for general waste, dry mixed recyclates or construction and demolition waste).

Once the waste has been deposited into the storage areas, the delivery vehicle will re-enter the weighbridge to be weighed before leaving the site.

- 2.2.8 In the event that the waste is deemed unacceptable or legally non-compliant on inspection, the driver will be instructed to leave the site with the load. Vehicle details will be recorded in the site diary and the EA will be informed.

## 2.3 Activities and Limits

- 2.3.1 Details of the revised Waste Framework Directive (rWFD) Annex I and Annex II waste disposal and recovery activities will be carried out at the facility and the limits of specified activities are presented in **Table SS1**, below.

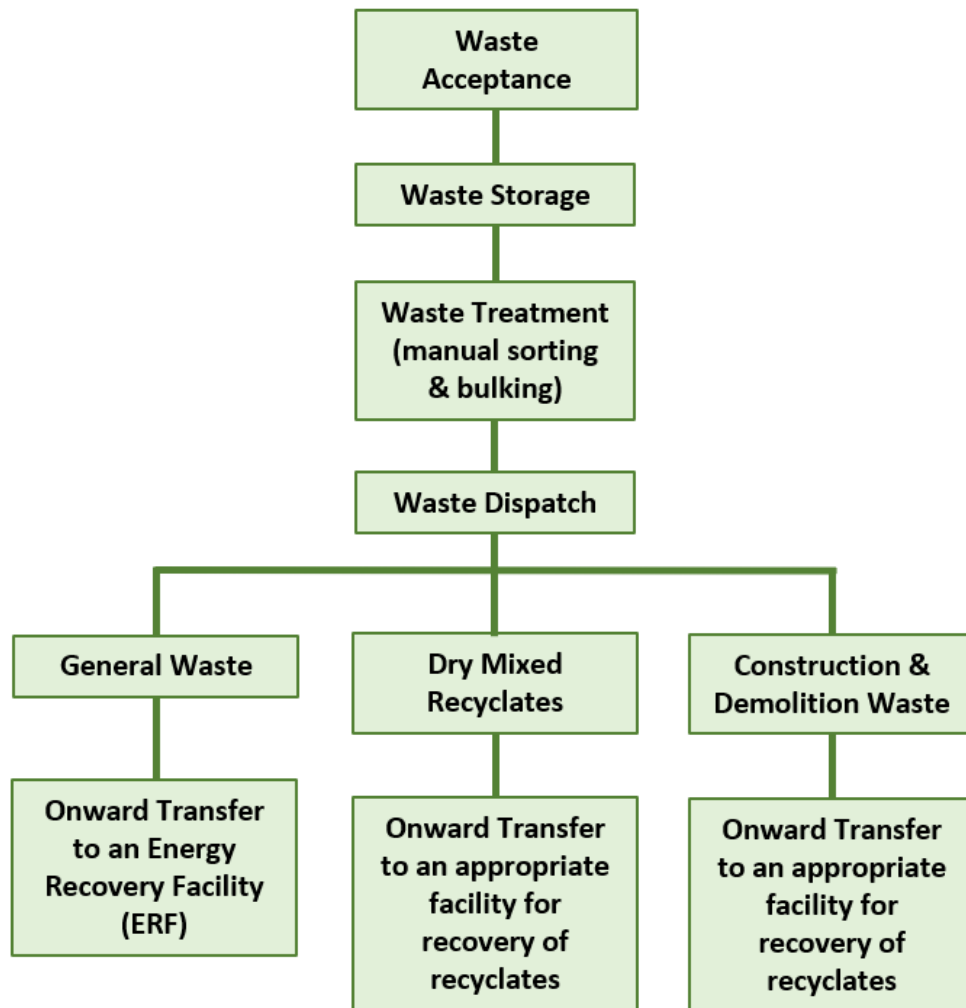
**Table SS1: Summary of Activities and Limits at Meriden WTS**

Description of Activities	Limits of Activities
<b>D15:</b> Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).	Treatment consisting only of manual and plant assisted sorting/segregation and bulking of non-hazardous waste into different components for disposal, (no more than 50 tonnes per day) or recovery.
<b>R13:</b> Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).	
<b>D14:</b> Repackaging prior to submission to any of the operations numbered D1 to 13.	
<b>D9:</b> Physio-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means any of the operations numbered D1 to D8 and D10 to D12.	
<b>R3:</b> Recycling / reclamation of organic substances which are not used as solvents.	
<b>R4:</b> Recycling / reclamation of metals and metal compounds.	
<b>R5:</b> Recycling / reclamation of other inorganic materials.	

## 2.4 Process Flow

- 2.4.1 The process flow through the facility is shown in **Figure SS1**.

Figure SS1: Process Flow of Waste through Meriden WTS



## 2.5 Waste Storage & Treatment

- 2.5.1 Following the successful completion of the waste-acceptance checks, incoming non-hazardous waste will be directed to the storage areas within the WTS building. The wastes received will fall and be stored within three general categories; general waste, dry mixed recyclates (DMR) and construction and demolition waste (CDW). Waste may be storage and segregated in smaller piles/containers of varying material types if appropriate.
- 2.5.2 Waste will either be tipped directly into the waste bay or immediately in front of the bays and then pushed into the bay.
- 2.5.3 The internal tipping and storage areas comprise impermeable engineered surface and a sealed drainage system.
- 2.5.4 Waste may undergo manual and plant assisted sorting/segregation after tipping prior to being bulked and stored in these bays until such a time as they are to be loaded onto a vehicle for transfer off-site to an appropriate facility for recovery.
- 2.5.5 The maximum capacity of each of the storage bays as well as the maximum storage durations are summarised in **Table SS2**, below.

**Table SS2: Maximum Storage Bay Capacities and Storage Duration Periods**

Waste Description	Maximum Storage Capacity (m <sup>3</sup> )	Maximum Storage Capacity (tonnes)	Maximum Storage Period
General Waste	470	470	3 days <sup>2</sup>
Dry Mixed Recyclates	300	150	3 days <sup>2</sup>
Construction and Demolition Waste <sup>1</sup>			
• Combustible	290	290	6 months
• Non-Combustible	435	870	6 months

<sup>1</sup> – Non-combustible CDW will be stored to full bay height of 3m. Combustible CDWs will be stored with a 1m freeboard level

<sup>2</sup> – Typically, the storage duration time of biodegradable wastes will be 2 days, however, during a Bank Holiday weekend the maximum storage period may be extended to 3 days.

2.5.6 The waste storage bays are shown on the site's indicative operational layout in **Drawing No.: BF5066/12/03.**

### **3.0 EMISSIONS CONTROL & MONITORING**

#### **3.1 Introduction**

3.1.1 An effective system of management techniques will be employed at the site to ensure there are no potential fugitive / uncontrolled emissions that could cause environmental concern. An Environmental & Accidents Risk Assessment is provided with this application (*Document Reference: BF5066/07*)

#### **3.2 Emissions to Air (excluding odours)**

##### Emissions Control

3.2.1 There are no point source emissions to air from the facility.

3.2.2 The facility will accept and process wastes that have the potential to generate dust, fibres or particulate emissions. All wastes will be stored and processed within the building fitted with fast acting roller shutter doors and a 'closed-door' policy in operation to ensure containment. The manual and plant assisted treatment operations are not deemed to be high risk dust generating operations. Due to the internal handling of all wastes it is unlikely that significant quantities of dust and particulates will be released from the facility.

3.2.3 The WTS building is fitted with an Air System (ProSonic or similar) which atomises a mixed solution that will assist in providing dust control through the production of an ultra-fine, almost dry mist with very small droplet sizes. This will aid in reducing dust suspension within the WTS building during waste unloading and handling.

3.2.4 In the unlikely event that dust levels become problematic, procedures are in place to address this. Site personnel will use suitable Personal Protective Equipment (PPE), site surfaces may be cleaned by mechanical sweeper (local contractor or site-based) to prevent the build-up of potentially dusty material on engineered site surfaces and immediately outside the site entrance and egress points. Similarly, good housekeeping will be conducted within the site building to ensure that the build-up of potentially dusty material which may be tracked around by delivery vehicles does not occur. If necessary, delivery vehicles entering and exiting the site may also be hosed down. A site speed limit of 10mph will also be enforced to reduce the risk of dust suspension from vehicles wheels.

3.2.5 Potentially problematic loads will not be accepted at the weighbridge or reception area. Hauliers and customers will be instructed to ensure appropriate containment is in-place for certain wastes should problems persist.

##### Emissions Monitoring

3.2.6 Visual inspections for evidence of any significant emissions of dust will be carried out continuously by operational staff and daily by the site management or other nominated persons. Meteorological conditions and any emissions to air will be recorded by the TCM or responsible person should the TCM be off-site.

3.2.7 All measures taken to ensure any impact relating to emissions to air is minimised are presented in the Dust and Emissions Management Plan (DEMP) *Document Reference: BF5066/08.*



### 3.3 Emissions to Water

#### Emissions Control

- 3.3.1 The waste transfer station will be fully engineered with impermeable pavement and sealed drainage system to protect the condition of the underlying soils and strata, groundwaters and surface waters from the any leaks and spills of potentially polluting substances.
- 3.3.2 Roof waters and run-off from non-operational areas of the site drain via a segregated network to the surface water attenuation lagoon (which comprises a penstock valve) and from there to the off-site surface water drainage network. The location of the discharge point (S1) is show in **Drawing No.: BF5066/12/04**.
- 3.3.3 Internally, the impermeable surface is graded to direct any runoff to a central drain within the WTS building which drains to a sealed sump. The contents of this sump will be pumped out and tankered for off-site transfer to an appropriate facility. Full details of the site drainage arrangement are presented in **Drawing No.: BF5066/12/04**.
- 3.3.4 To minimise the risk of hydraulic / fuel spillages and leaks, resident site vehicles / plant are checked and serviced at manufacturer recommended intervals. This is combined with daily checks of plant to enable any defects to be reported to the TCM for resolution.
- 3.3.5 Fuel / oil to be used for site plant will be stored in a double skinned tank located adjacent to the sprinkler water supply tank. Regular inspection of the integrity of this tank will be conducted to ensure the risk of any spills or leaks is as low as possible.
- 3.3.6 Regular inspections will be carried out to monitor the conditions of the internal and external drains including all engineered surfaces. All waste is emptied within the building prior to sorting and no waste is deposited or stored externally.
- 3.3.7 As a result of the nature of the wastes accepted at the site, there should be minimal liquids arising provided the load is not contaminated. Any load that generates liquid on initial deposition will be transferred immediately to the vehicle of origin or the non-conformance skip for removal to a suitably permitted facility within the shortest practicable time. The non-conformance skip will be located in a small bay within the building, the location of which is shown in **Drawing No.: BF5066/12/03**.

#### Emissions Monitoring

- 3.3.8 Only clean roof waters and run-off from non-operational areas of the site will discharge direct to the surface water attenuation lagoon and from there the off-site surface water network. The external drainage layout comprises a Penstock Valve which ensures that potentially contaminated water (e.g. fuel and oils leaks / spills, fire water) does not discharge from the site. As aforementioned, the internal sealed drainage system directs water to a sump which is pumped out to enable the contents to be tankered and removed from the site to an appropriate facility.
- 3.3.9 The integrity of the engineered surfaces and drainage systems will be inspected weekly and catchpits / interceptors emptied at a minimum annually. Any damaged area will be assessed to determine if any pollution of the land will have occurred and a record maintained in the site diary.

### **3.4 Odour**

#### Emissions Control

- 3.4.1 The facility will operate under written management procedures maintained in the form of an Odour Management Plan (OMP) which is presented as *Document Reference: BF5066/09*.
- 3.4.2 Where possible, a visual inspection of each load is carried out at the weighbridge by the Weighbridge Operative. Third party vehicles are further scrutinised as it would be assumed the pre-loading criteria may not have been adhered to. After deposit in the enclosed tipping area within the WTS building, a further inspection is carried out by a Site Operative. At each stage of these checks if waste is deemed to be highly odorous it will be rejected from the facility.
- 3.4.3 If waste is considered unacceptable because of an odour rejection, the delivery vehicle will be re-loaded and sent off-site. If the waste has already been deposited, the vehicle details will be noted and will be requested to return to site to collect the unacceptable waste. A Waste Rejection Note will be issued in both cases. If reloading is not possible, the waste will be transferred to a designated, enclosed quarantine container located in the south-western corner of the WTS building and removed to a suitable facility within the shortest practicable time.
- 3.4.4 The majority of the proposed waste types are not putrescible and therefore it is not considered likely that a high risk of odour will be presented.
- 3.4.5 The WTS building is fitted with an Air System (ProSonic or similar) which is designed to provide a customised odour control in areas which require an almost dry mist. The Air System atomises a mixed solution of odour and dust control with air and water, producing an ultra-fine, almost dry mist with very small droplet sizes which remain suspended in the atmosphere for an extended period of time to ensure maximum odour control.

#### Emissions Monitoring

- 3.4.6 Details of all odour monitoring are detailed in the Odour Management Plan presented in *Document Reference: BF5066/09*. The TCM / Supervisor or other nominated personnel will carry out weekly olfactory monitoring around the site and its boundaries to determine if any wastes present at the site are generating significant odours.
- 3.4.7 A general daily odour inspection will be conducted. All staff are required to report to management should there be a significant odour. The results and meteorological conditions will be recorded in the site diary and kept in the offices.

### **3.5 Noise**

#### Emissions Control

- 3.5.1 The site operations will generate some noise and have potential to cause nuisance. Control of noise is managed by undertaking all waste unloading, treatment, handling for storage and bulking and loading activities within the WTS building. All site plant and vehicles will undergo a regular programme of maintenance and servicing in line with manufacturers recommendations. The only plant on site will be a waste handler and loading shovel.

- 3.5.2 The WTS building will operate under a 'closed-door' policy whereby the roller fast acting shutter doors will only be opened for access and egress of delivery and dispatch vehicles. Therefore, any noise generated from the site other than vehicle movements will be contained within the building.
- 3.5.3 A Noise Impact Assessment (NIA) has been undertaken and has been included as **Appendix SS8**. This assessment concluded that the proposed operations would not be expected to give rise to a significant adverse impact at nearby residential receptors and that a low impact is predicted. It should be noted that this assessment is a conservative one as it not only accounts for noise generated by the WTS activities, but also noise generated at the Collection Vehicle Depot which lies adjacent to the east of the site and is outside of the environmental permit boundary.
- 3.5.4 Close-board acoustic wooden fencing will be mounted along part of the eastern site boundary to mitigate against noise affecting the closest residential receptor, Keeper's Cottage c. 115m to the east-southeast.
- 3.5.5 It should be noted that the surrounding land uses primarily comprise industry, commerce and agriculture, none of which are sensitive receptors to noise. The closest residential receptor, Keepers Cottage, is located c.115m to the east-southeast of the site boundary (and ~175m from the WTS) and a further two residential properties, Cornets End Farm and Hornbrook Farm lie c. 310m east and 530m west of the site boundary respectively. Therefore, with the exception of Keepers Cottage residential properties in the locality are situated at a significant intervening distance from the site whereby noise would be unlikely to affect them.
- 3.5.6 Monitoring of noise is to be carried out daily during the site inspections.
- 3.5.7 It is therefore considered that potential noise emissions are unlikely to generate complaints at nearby sensitive receptors.

#### Emissions Monitoring

- 3.5.8 Given the nature of the proposed operations, it is not necessary to commence instrumental noise monitoring.
- 3.5.9 Noise that is likely to lead to unacceptable emissions off site will be noted and a record made. An attempt will be made to identify the source of the noise and ensure it is ameliorated or otherwise removed off site. A record will be made of such incidents and the corrective actions taken.

### **3.6 Scavengers, Insects and Other Pests**

#### Emissions Control

- 3.6.1 Some of the proposed permitted wastes are putrescible and, therefore, provide a high potential for attracting scavengers and pests.
- 3.6.2 Infested waste loads will be rejected. Waste will only be typically stored for up to 2 days, and up to a maximum of 3 days. In the event a waste stockpile becomes infected by scavengers and / or insects, it will be transferred off site as soon as reasonably practicable and the additional measures outlined below may be implemented to treat the material if necessary, for example, via the use of insecticides.

- 3.6.3 The internal storage and handling of wastes will serve to reduce the risk of scavengers, insects and other pests from being attracted to the site. Good housekeeping protocols will also aid in reducing the risk of pests and scavengers being attracted to the site by ensuring that waste residue does not build up. Furthermore, the Air System to be implemented in the WTS building to provide customised odour control. This will also aid in reducing the risk of scavengers and insects being attracted to the site.
- 3.6.4 Should insects posing a nuisance be observed at site, insecticides offering rapid knock-down and long-term treatment shall be utilised. A specialist contractor shall inspect the facility weekly during the summer months and at appropriate frequencies at other times.
- 3.6.5 Inspections for rats and other pests are to be carried out routinely. A specialist contractor will also attend to any isolated incidents on request. In the event that evidence of pests is observed, appropriate control measures are put in place.
- 3.6.6 A record of all incidents related to pests are kept in the site diary.

#### Emissions Monitoring

- 3.6.7 Due to the risk of scavengers and pests being attracted to the site, monitoring of the site for signs of infestations of scavengers, insects and other pests will be conducted daily during the Site Checks. Furthermore, site operatives will be told to report any signs of infestations that they observe while carrying out their daily tasks. If any evidence of such infestations are observed, this will be noted and reported to the Site Operations Manager, TCM or nominated deputy who will action control measures to rectify the issue as soon as practicable. Any incidents will be noted in the Site Diary.

### **3.7 Litter**

#### Emissions Control

- 3.7.1 All wastes accepted and processed at the site are only deposited within the building, routinely behind closed doors. The potential for litter to move beyond the confines of the building is very low. Similarly, the site boundary comprises palisade security fencing (and closed board fencing along part of the eastern boundary) that will further minimise the escape of litter beyond the site boundary.
- 3.7.2 All vehicles delivering waste to site will be fully enclosed or sheeted to prevent litter being blown from the vehicle.
- 3.7.3 Should any material be carried beyond the site boundary, it will be collected immediately. Any incidents will be recorded in the site diary.

#### Emissions Monitoring

- 3.7.1 Due to the low risk of litter emanating from the site owing to the high level of containment, dedicated monitoring for litter is not deemed necessary at the site. The site operatives and staff will report any signs of litter immediately with daily site checks and inspections also carried out. In the unlikely event that litter is observed, actions will be taken immediately to identify the source, conduct litter picking and record the incident in the Site Diary.

### **3.8 Mud and Debris**

#### Emissions Control

3.8.1 An Environmental and Accidents Risk Assessment (EARA) (*Document Reference: BF5066/07*) has been carried out to support the management of the waste activities. This assessment identified a low risk that any mud or debris will be transferred to the highway given the provision of engineered surfaces throughout site and that waste operations are carried out within a building.

3.8.2 Prior to delivery and dispatch vehicles entering and leaving the site, they will be inspected for signs of mud, dust and debris and hosed down where required to avoid tracking onto public highways. Furthermore, road sweeping may be completed on the site surfaces and immediate access roads if deemed necessary.

#### Emissions Monitoring

3.8.3 The deposit of mud and debris is not expected to be an issue that will arise as part of the waste operations. All waste storage and treatment areas, service areas and roads immediately surrounding the facility will comprise of impermeable, hard engineered surfacing which will be maintained to prevent rutting and minimise the opportunity of mud and debris being tracked onto public networks.

3.8.4 All site areas and public highway networks immediately outside the facility's boundary will be subjected to general housekeeping and materials transit measures.

3.8.5 In order to ensure the road cleaning methods are adequate, a daily inspection of the public highway will be undertaken by the TCM / Supervisor or other trained personnel as directed by the TCM at times when the facility is open for receiving or dispatching wastes. Details of the inspections and any remedial measures taken will be recorded.

3.8.6 All measures taken to ensure any impact relating to Mud and Debris is minimised are presented in the Dust and Emissions Management Plan Document Reference: *BF5066/08*).

## **4.0 MANAGEMENT SYSTEMS**

### **4.1 Environment, Health, Safety and Quality System**

4.1.1 The facility will operate under the IMS accredited ISO14001 (see **Appendix SS4**). The ISO14001 standard comprises of 17 elements that need to be met by any organisation seeking formal recognition for their EMS, which are:

- An environmental policy supported by senior management
- The identification of environmental aspects and impacts, and the identification of significant environmental impacts that the organisation may cause;
- Identification of environmental compliance requirements;
- The development of objectives and targets, and their environmental management programs;
- Defined resources, roles, responsibilities and authorities for environmental management;
- The development of competence, training and awareness procedures;
- A communication process of the EMS to all stakeholders and interested parties;
- The development of EMS documentation as required by the standard;
- The development of document control procedures;
- The development of operational control procedures;
- The development of emergency preparedness and response procedures;
- The development of procedures to monitor and measure operations that can have significant impact to the environment;
- An evaluation of compliance procedure;
- Procedures developed for the management of non-conformance, corrective and preventative actions;
- The development of a records management procedure;
- A program for completing internal EMS audits and corrective actions; and
- The development of procedures for management review by senior management.

4.1.2 Audits and inspections will be conducted to a suitable standard to meet the requirements of the management system and whilst key environmental performance related figures will be reported annually to the EA as per the requirements of the Environmental Permit.

4.1.3 Environmental issues will be considered when purchasing items of plant and when design changes are being undertaken at the facility. These considerations will be documented.

4.1.4 Records will be kept of all items required by the Environmental Permit, other legislation and operating procedures.

### **4.2 Competence**

4.2.1 Technical competence for the waste facility will be provided via the WAMITAB Certification Scheme. Employees are selected based upon relevant experience within the waste management and recycling industry.

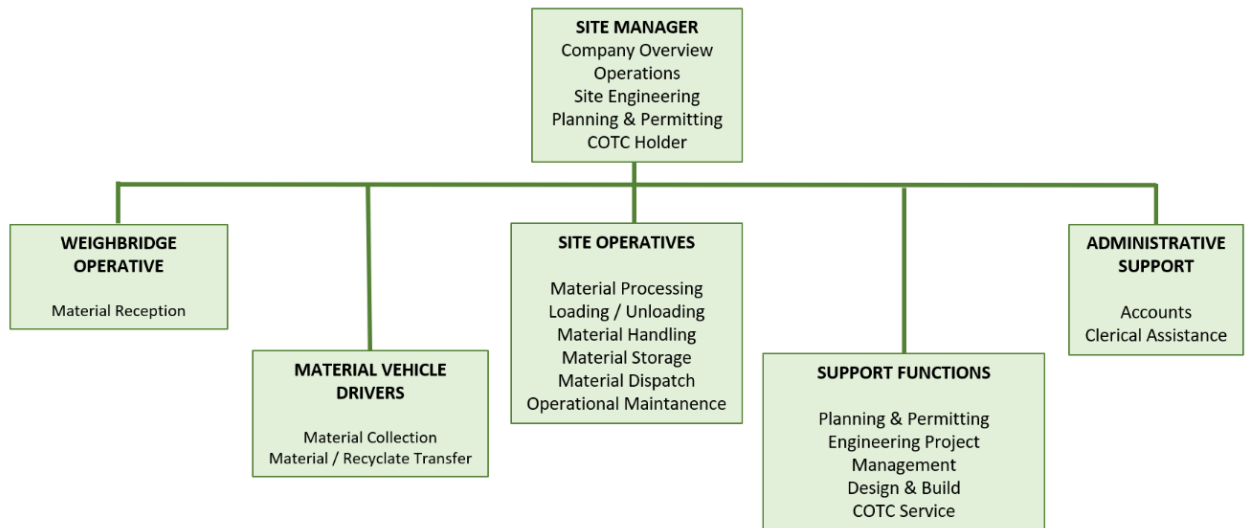
4.2.2 In order to comply with the regulatory requirements as stated in the Environmental Permitting Regulations, Biffa propose to provide experienced person/s with the appropriate technical competence qualifications to manage

the facility going forward. Evidence of their qualifications is attached in **Appendix SS3**.

### 4.3 Staffing

4.3.1 The likely staffing arrangements are outlined in the company organogram as shown in **Figure SS2**.

**Figure SS2: Management Structure for Meriden WTS**



4.3.2 **Appendix SS5** outlines the roles and responsibilities of staff employed within the organisation.

### 4.4 Training

4.4.1 Any new employees are given full induction training by the Site Operations Manager or other appropriately qualified person(s) as appointed by the Site Operations Manager.

4.4.2 Additionally, staff and operatives will receive training to ensure they can perform their role competently.

4.4.3 The assessment of competences of staff is made by the Site Operations Manager or other appropriately qualified person(s) on an ongoing basis. All staff are trained to ensure that they are competent to undertake their respective duties. Particular attention is given to familiarisation of staff with the Environmental Permit for the site, the potential emissions from the site and the prevention of accidental emissions. Training will be tailored to individual requirements.

4.4.4 An induction and personal training plan is developed for each individual and is regularly updated to reflect staff needs and skills.

### 4.5 Operating Procedures

4.5.1 Biffa have developed a number of specific standard operating procedures which cover the onsite activities at the proposed waste transfer station. Copies of these standard operating procedures are held electronically on Biffa central

server. These will be periodically reviewed and updated where deemed necessary.

#### **4.6 Maintenance Procedures**

4.6.1 A documented maintenance schedule is developed in accordance with equipment suppliers and manufacturer's recommendations. Any plant that is used will be hired with a full repair/maintenance contract (which includes oils, greases etc) incorporating specified response times to reduce downtime. An inspection regime is developed for each piece of plant in order to visually inspect condition and identify immediate repair requirements.

#### **4.7 Records**

4.7.1 A record of the types and quantities (in tonnes) of wastes received and removed from the facility will be maintained. A summary of the types and quantities of wastes deposited at the site and removed from the site will be provided to the EA quarterly in an agreed format. All Duty of Care documentation in relation to waste movements will be kept for 5 years.

4.7.2 The following significant events at the facility will be recorded, as detailed below:

- Maintenance;
- Breakdowns;
- Emergencies;
- Problems with waste received and action taken;
- Facility inspections;
- Attendance of technically competent management at the facility;
- Despatch of records to the Agency;
- Severe weather conditions;
- Complaints received;
- Visitors to the facility;
- Pest or vermin incidents; and
- Rejected loads and the reason for rejecting the load.

4.7.3 The Site Operations Manager or nominated person will maintain a record of all the above information in the site log or on inspection forms, as appropriate. Records relating to significant events will be kept for up to 6 years, or where involving off site environmental effects or pollution of land or groundwater until permit surrender.

4.7.4 All records and copies of inspection forms will be kept at the facility at all times and will be available for inspection at all reasonable times by any authorised officer of the EA.

4.7.5 The facility records may be kept either as:

- Hand generated log;
- Computer generated hard copies; or
- Computer permanent storage media.

4.7.6 To ensure the security of records they will be housed in either locked containers or kept in offices that shall be locked when not attended.

4.7.7 Records will be disposed of in accordance with company policy, which shall ensure an appropriately secure method e.g., shredding and recycling, where feasible.



## 4.8 Visitors

4.8.1 Persons visiting the facility will be required to report to the site office. A record of the time and reason for their visit will be logged in the signing-in book. Visitors entering the working areas will be briefed and inducted with respect to facility safety and accompanied where necessary.

4.8.2 All visitors will be made aware of the requirement for Personal Protective Equipment (PPE). No person will be allowed entry to the facility without the correct protective equipment. The facility employees are responsible for the Health and Safety of all visitors and will ensure that they are given sight of a copy of the Health and Safety Plan and are made aware of any potential threats to their safety or welfare.

4.8.3 There will be additional induction requirements for contractors visiting site that are providing a service or undertaking works such as maintenance. A permit to work system will be employed for more hazardous maintenance activities to ensure compliance with health and safety requirements.

## 4.9 Site Inspections and Audit

4.9.1 Every working day, site inspections will be conducted of Waste Transfer Station operations and Environmental Permit boundary. The facility shall be inspected on every working day by the Site Operations Manager or other nominated persons for defects in plant, equipment or structure or in any working practice that may affect satisfactory compliance with the Environmental Permit. Inspections shall be undertaken by staff suitably qualified and/or experienced in the day-to-day operation of the facility. An Operation and Maintenance Daily Check Sheet is included in **Appendix SS6** which includes the following inspection points:

- Waste storage levels;
- Waste type storage area separation;
- Cleanliness;
- Site emissions;
- Leakages/Spillages;
- Monitoring data (where relevant);
- Mobile plant condition; and
- Integrity of site surfacing, drainage systems and security provisions, where applicable.

4.9.2 The above described daily monitoring will aid in the identification of significant emissions, including noise, dust and odour. This aspect is very important for the proposed Waste Transfer Station given the site's proximity of other industrial activities, including a concrete supplier, construction company and a quarry etc. The completion of these daily inspections will allow for the sources of any recorded emissions to be located, identify the responsible party and hence attribute responsibility for remedial action.

4.9.3 Should an on-site problem be identified, the Site Operations Manager or nominated person will arrange for the appropriate mitigation technique to be applied as soon as is reasonably practicable.

4.9.4 Should a fugitive emission source be identified as being outside the Environmental Permit Boundary of the proposed site, then the Site Operations Manager/TCM or appointed deputy will make contact with the operators of the

facility containing the emission source and inform them accordingly, where this is able to be identified.

4.9.5 Records shall be kept of daily inspections and shall be made available for inspection as reasonably required by authorised officers of the EA. Any defects shall be rectified promptly.

4.9.6 In addition, under the environmental management system, the site is subject to both internal and external audit. Copies of the audits will be kept in the site office.

#### **4.10 Site Security**

4.10.1 All reasonable precautions are taken to prevent unauthorised access to the site.

4.10.2 Access to the facility will be via a tarmacked/concrete road Cornet End Lane west of the site. It is then necessary to follow the road towards the site office, prior to heading towards the unloading area, situated within the external yard. There is a palisade security gate at the site entrance, adequate fencing is provided to prevent unauthorised access. In addition to this, CCTV will be utilised to monitor the building as well as external areas. Out of hours monitoring (utilising sensors) will also be implemented to increase site security. Exit from the site will be to the southwest, onto Cornet End Lane.

4.10.3 Furthermore, the site will be locked outside of operational hours to prevent unauthorised access.

4.10.4 The integrity of the site boundary, entrance and exit gateway as well as perimeter structures are inspected on a weekly basis. Any damage to the integrity of the boundary, gates or any other security structure, where practicable, will be repaired by the end of the working day. If it is not possible to make repairs within a working day, temporary repair measures will be implemented. Final repairs will be carried out within 7 working days of the damage being detected or any other such period as agreed in writing with the EA. All damage and repairs (temporary or permanent) are recorded in the Site Diary.

#### **4.11 Site Identification Board**

4.11.1 A site identification board is attached to the frontage of the site detailing the following information:

- The permit holder's name (company name) and permit number;
- An emergency contact name and the permit holder's telephone number;
- A statement that the site is permitted by the Environment Agency; and
- The Environment Agency incident hotline 0800 80 70 60

4.11.2 The site identification board will be inspected on a weekly basis and any damage repaired within 7 working days for minor repairs and for major repairs at a timescale agreed with the Environment Agency. Details of any damage and repairs undertaken are recorded in the Site Diary.

#### **4.12 Complaints**

4.12.1 Any complaints relating to the facility will be managed as follows:

- Details of the complaint and the complainant will be logged in the Site Diary and electronically.
- The complaint will be investigated. Corrective actions and preventative actions will be undertaken where the source of the complaint can be identified and is attributable to activities undertaken at the facility.
- The details of the action taken will be reported back to the complainant. This will include cases where the complaint is unsubstantiated i.e. the complaint fails to be linked to any activity occurring at the facility. All investigate works and compliant outcomes will be recorded in the Site Diary.

#### **4.13 Staff Welfare Facilities**

4.13.1 Staff rest and wash facilities are situated adjacent to the site offices.

#### **4.14 Non-Compliances**

4.14.1 The weighbridge operative involved in waste acceptance checks will be trained to effectively identify and manage non-conformances in the loads received, complying with EA Guidance and any permit conditions.

#### **4.15 Health and Safety**

4.15.1 The company recognises the importance of Health and Safety for both its staff and visitors to its facility. The company will develop appropriate Health and Safety practices for the site which are in line with those adopted by similar sites operated by Biffa.

#### **4.16 Accidents / Incidents / Non-Conformances**

4.16.1 The likelihood and consequences of accidents and associated preventative / mitigating measures are presented in the Environmental and Accident Risk Assessment for the site (*Document Reference: BF5066/07*).

4.16.2 Biffa has written procedures for handling, investigating, communicating and reporting of potential non-compliances and environmental complaints and associated remedial actions. In summary, any non-compliances identified onsite will be reported to the EA within 24 hours. Details of the non-compliance and corrective actions will be recorded on appropriate recording forms and held electronically for a period no less than two years. Any records of non-compliance will be archived until Environmental Permit surrender.

4.16.3 Daily site inspections will be conducted by the Site Operations Manager or other nominated representatives for defects in plant, equipment or structures or in any working practice that may affect satisfactory compliance with the Environmental Permit. Inspections shall be undertaken by staff suitably qualified and/or experienced in the day-to-day operation of the facility. The main points of inspection shall include:

- Waste storage levels
- Waste type storage area separation
- Cleanliness
- Site emissions
- Leakages / Spillages
- Monitoring data (where relevant)
- Plant condition

- Integrity of site surfacing, drainage systems and security provisions, where applicable
- 4.16.4 Should a problem be identified, the Site Operations Manager will arrange immediate repair or other appropriate remedial action.
- 4.16.5 Records shall be kept of daily inspections and shall be made available for inspection as reasonably required by authorised officers of the EA. Any defects shall be rectified as soon as reasonably practicable.
- 4.16.6 In addition, under the Biffa's Integrated Management System (IMS), the site will be subject to both internal and external audit. Copies of the audits will be kept in the site office.

## **5.0 ACCIDENTS & THEIR CONSEQUENCES**

### **5.1 Emergency Planning**

5.1.1 An Environmental and Accidents Risk Assessment (EARA) has been prepared in support of this application and is included as *Document Reference: BF5066/07*. The matrix identifies potential hazards at the facility, the likelihood and consequence of an accident or emergency relating to hazards, and the risk management measures that will be put in place to ensure that risks are reduced to an acceptable level.

### **5.2 Emergency Contact**

5.2.1 In the event of any significant environmental emergency / incident, a representative of Biffa will notify the EA by telephone immediately but first having due regard for the incident at hand and any remediation actions required to ensure the safety of site personnel and the immediate environment.

5.2.2 Details of any environmental incident will be confirmed to the EA in writing by e-mail on the next working day after identification of the incident. This confirmation will include: the time and duration of the incident, the receiving environmental medium or media where there has been any emission as a result of the incident, an initial estimate of the quantity and composition of any emission, the measures taken to prevent or minimise any further emission and a preliminary assessment of the cause of the incident.

5.2.3 Any incident notified to the EA will be investigated and a report of the investigation sent to the EA. The report will detail, as a minimum, the circumstances of the incident, an assessment of any harm to the environment and the steps taken to bring the incident to an end. The report will also set out proposals for remediation and for preventing a repetition of the incident.

### **5.3 Control of Fires**

5.3.1 No waste will be burned within the confines of the site boundary. All fires within the facility will be treated as a potential emergency and dealt with accordingly. Fires may occur in relation to:

- Plant failure – fixed or mobile plant fires
- Within waste in delivery vehicles
- Within waste storage areas

5.3.2 If the fire can be controlled without endangering operatives, appropriate actions will be undertaken using available fire-fighting equipment. Fires will be tackled by a minimum of two facility operatives.

5.3.3 In the event that a large fire occurs at the facility, the following actions would be undertaken:

- Person(s) discovering the fire will raise the alarm.
- Report the incident to the TCM / Supervisor.
- All site personnel and visitors will be accounted for and evacuated to a safe location.
- Contact the emergency services and state the nature of the incident.
- Ensure access is clear for the emergency services but prevent access to the facility from anyone else until the emergency is over.
- Follow all instructions given by the emergency services.
- The EA will be informed forthwith of any fires that occur at the facility.

- 5.3.4 Office areas are provided with smoke alarms and a dedicated fire alarm with audible and visual signals in the key building areas. Thermal imaging cameras will be present in the WTS building. These will be connected to an alarm system remotely and will monitor the temperature of the stored wastes. In the event the alarm is sounded as the waste is at a temperature at risk of fire, site staff will spread the waste pile to enable cooling. An automated sprinkler system with a 470,000-litre storage tank is also present at the site. Hose reels and handheld extinguishers are also strategically placed around the site, the locations and types of extinguishers have been agreed with the local Fire Officer. Out of hours remote third party monitoring and CCTV will also be implemented. All mobile plant vehicles will be equipped with fire suppression
- 5.3.5 All fire-fighting equipment at the facility will be clearly marked and tested, at appropriate intervals, to confirm their suitability and functionality. Site personnel will be made aware of the locations of all fire-fighting equipment and will be trained in their correct use.
- 5.3.6 A record of the occurrence of a fire will be maintained in the site log, along with any actions taken. An Incident and Accident Report will be completed by the TCM / Supervisor.
- 5.3.7 Following approval by the fire services and / or TCM, any residues from the fire will be disposed of accordingly at a suitable permitted waste management facility.
- 5.3.8 In accordance with the latest industry and Environment Agency guidance, a Fire Prevention Plan has been prepared as *Document Reference: BF5066/10*.

## 5.4 Explosions

- 5.4.1 In the unlikely event that materials with explosive elements are discovered within a waste delivery that has already been accepted, the following action would be taken:
- Contact the TCM / Supervisor or in their absence, the nominated deputy.
  - Check that all site personnel and visitors are accounted for and are moved to a safe location.
  - Contact the emergency services and state the nature of the incident (including whether any fires have occurred).
  - Follow all instructions given by the emergency services.
  - If injuries have occurred, medical assistance will be called.
  - No further wastes will be accepted at the facility until the TCM / Supervisor has given authority.
  - The EA will be informed forthwith of any arisings of explosive materials or any explosions that occur.
- 5.4.2 Once the emergency is over and the emergency services have declared that the area is made safe, an incident report shall be completed. A written account of the incident will also be forwarded to the EA no later than 14 days after the incident.

## 5.5 Flooding

- 5.5.1 The Environment Agency's flood zone mapping shows that the site lies within a Flood Zone 1 which is described as having a 'low probability' of flooding (less than 1 in 1,000 annual probability of river or sea flooding). The nearest area of

flood risk is located approximately 445m north and is designated at a Flood Zone 3.

5.5.2 The following actions may be taken by the Site Operations Manager or other designated person where flooding from any source presents a risk to the site:

- If possible, all stocks of chemicals / fuel will be removed from the risk areas.
- All plant will be removed from the area at risk.

5.5.3 Facility operatives will not attempt to enter the flooded area until a risk assessment has been undertaken or the flood has subsided.

5.5.4 It should be noted that all waste will be unloaded, stored, treated and loaded internally and is highly unlikely to be affected by flood waters.

## **5.6 Control of Leaks and Spillages**

5.6.1 Waste will not be accepted that is liquid or sludge. Any spills or leaks from wastes will be captured by the sealed internal drainage system which is directed to a sump, pumped and tankered for transfer off-site to an appropriate facility.

5.6.2 Daily visual inspections of concrete surfaces for signs of ponding, overflowing onto exposed surfaces or ineffective drainage will be conducted. Facility operatives will report any such incidents to the TCM / Supervisor. Should the concrete surfaces show signs of ineffective drainage, no further use will be permitted until repairs to concrete or drainage systems are undertaken.

5.6.3 Above ground storage tanks (e.g. the double skinned fuel / oil storage tank), drums and bunded areas will be inspected weekly whilst the facility is operational. In the event of a spillage, facility operatives will inform the TCM / Supervisor who is responsible for assessing the situation and deciding on the most appropriate actions to be undertaken.

5.6.4 All necessary measures will be taken to contain any spillage or discharge by means of suitable material and equipment. The actions undertaken will depend on the size of the spillage, the location of the spillage in relation to sensitive receptors and the nature of the spilled material.

5.6.5 Where spillages of dry wastes occur, these will be cleared by either manual or mechanical means, for example handpicking, sweeping or shovelling, dependant on the size and location of the spillage.

5.6.6 Minor spillages of liquid will be contained using spillage kits or any suitable readily available absorbent material, e.g. chipped wood product. This material will be disposed of in a manner appropriate to the type of material absorbed. Materials from used from spill kits will be replaced. Should a significant spillage occur on an external non-waste storage area, the penstock valve will be closed to prevent the discharge of the spilled material to surface water. The spillage will be contained as much as possible and cleaning will be conducted. Following such a spill, the water in the on-site lagoon will be tested. If it is determined that any pollutants have entered this lagoon, it will be pumped and tankered for transfer to an appropriate facility for treatment and / or disposal.

5.6.7 If a major spillage of liquid occurs the following actions will be undertaken, where appropriate:

- Report the occurrence to the TCM / Supervisor immediately;

- Trained facility operatives will take immediate action to try and contain the leak where it is safe to do so.
- If it is safe to do so, the cause of the spill or leak will be isolated and / or moved to a bunded area.
- If the liquid spillage is large, inert material such as clay or sandbags will be used to make a temporary containment bund to prevent pollution of any surface water, land or groundwater. The TCM / Supervisor or designated person will contact the EA to discuss best practicable disposal options.
- Access to the immediate area should be restricted until a disposal/clean up solution is implemented.
- If the spillage cannot be contained using approved methods, senior management will be contacted immediately and specialist advice and help will be sought.
- If a vehicle is identified as leaking, wherever practicable, it will be stored on an impermeable pavement within a bunded area, where the spillage can be contained until such time as a repair is affected.

5.6.8 The Environment Agency will also be informed in accordance with the permit requirements of major spillages, having due regard to first take appropriate measures to deal with any emergency in hand.

5.6.9 The locations of spillage kits and other emergency equipment will be detailed within the Site Emergency Plan.

## **5.7 Investigation of Accidents & Incidents**

5.7.1 For any accident, incident or dangerous occurrence, an 'Incident and Accident Report' will be completed by the TCM / Supervisor. All relevant details of the accident, incident or dangerous occurrence will be recorded, together with any additional statement, photographs, logs or records that may assist in the full investigation of the accident, incident or dangerous occurrence.

5.7.2 After an Environmental Incident and Emergency has been made safe, an investigation will be conducted, if necessary, by the TCM / Supervisor and other Personnel as appropriate.



**6.0 REPORT CLOSURE**

- 6.1.1 This report has outlined the proposed process controls, activities and management systems for the site, as well as the emission controls and monitoring to be conducted during the operational period of the site. Cognizance has also been given to accidents and their consequences.
- 6.1.2 The supporting appendices and drawings to this report are included in the following sections.



## APPENDICES



## APPENDIX SS1

### List of Directors



## List of Directors

**Company Name: Biffa Waste Services Limited**

**Company Number: 00946107**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Sarah Parsons	Company Secretary	06/11/1970
Michael Charles Davis	COO	26/07/1965
Maxine Mayhew	COO	03/08/1973
Biffa Corporate Services Limited	Director	N/A

**Company Name: Biffa Municipal Limited**

**Company Number: 04321212**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Sarah Parsons	Company Secretary	06/11/1970
Matthew Martin	Finance Director	15/07/1983
Simon Crook	Business Director	30/12/1961
Roger John Edwards	Managing Director	26/05/1969
Maxine Mayhew	COO	03/08/1973
Biffa Corporate Services Limited	Director	N/A

**Company Name: Biffa Environmental Municipal Services Limited**

**Company Number: 00905800**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Sarah Parsons	Company Secretary	06/11/1970
Roger John Edwards	Managing Director	26/05/1969
Maxine Mayhew	COO	03/08/1973
Biffa Corporate Services Limited	Director	N/A

**Company Name: Biffa Leicester Limited**

**Company Number: 04602279**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Michael Charles Davis	COO	26/07/1965
Biffa Corporate Services Limited	Director	N/A



**Company Name: Biffa West Sussex Limited**

**Company Number: 06744107**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Sarah Parsons	Company Secretary	06/11/1970
Michael Thair	Strategic Development Manager	07/07/1976
Andrew Mark Burgess	Chemical Engineer	20/09/1966

**Company Name: Biffa Waste Management Limited**

**Company Number: 01138022**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Biffa Corporate Services Limited	Director	N/A

**Company Name: Biffa GS Environmental Limited**

**Company Number: 03446693**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Sarah Parsons	Company Secretary	06/11/1970
Biffa Corporate Services Limited	Director	N/A

**Company Name: Biffa GS (M&B) Limited**

**Company Number: 01173504**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Biffa Corporate Services Limited	Director	N/A

**Company Name: UK Waste Management Limited**

**Company Number: 01362615**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Biffa Corporate Services Limited	Director	N/A

**Company Name: Island waste Services Limited**

**Company Number: 01552791**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Biffa Corporate Services Limited	Director	N/A



**Company Name: Amber Engineering Limited**

**Company Number: 01067283**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Sarah Parsons	Company Secretary	06/11/1970
Biffa Corporate Services Limited	Director	N/A

**Company Name: Specialist Waste Recycling Limited**

**Company Number: SC324466**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Sarah Parsons	Company Secretary	06/11/1970
Biffa Corporate Services Limited	Director	N/A

**Company Name: New Star Environmental Limited**

**Company Number: 07306131**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Sarah Parsons	Company Secretary	06/11/1970
Biffa Corporate Services Limited	Director	N/A

**Company Name: Syracuse Waste Limited**

**Company Number: 13269384**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Sarah Parsons	Company Secretary	06/11/1970

**Company Name: Biffa (Corby) Limited**

**Company Number: 03216850**

Name	Position	Date of Birth
Michael Robert Mason Topham	CEO	20/11/1972
Richard Neil Pike	CFO	24/09/1969
Sarah Parsons	Company Secretary	06/11/1970



## APPENDIX SS2

### EWC Code List



<b>Biffa Waste Services Limited Meriden Waste Transfer station</b>	
<b>Waste Code</b>	<b>Description</b>
<b>01</b>	<b>WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS</b>
<b>01 01</b>	<b>Wastes from mineral excavation</b>
01 01	Wastes from mineral metalliferous excavation
01 01 02	Wastes from mineral non-metalliferous excavation
<b>01 03</b>	<b>Wastes from physical and chemical processing of metalliferous minerals</b>
01 03 06	Tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 09	Red mud from alumina production other than the wastes mentioned in 01 03 07
<b>01 04</b>	<b>Wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	Waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	Waste sand and clays
01 04 11	Wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07
<b>02</b>	<b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>
<b>02 01</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 03	Plant-tissue waste
02 01 04	Waste plastics (except packaging)
02 01 07	Wastes from forestry
02 01 10	Waste metal
<b>02 02</b>	<b>Wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 03	Materials unsuitable for consumption or processing



<b>02 03</b>	<b>Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation</b>
02 03 04	Materials unsuitable for consumption or processing
<b>02 04</b>	<b>Wastes from sugar processing</b>
02 04 01	Soil from cleaning and washing beet
02 04 02	Off-specification calcium carbonate
<b>02 05</b>	<b>Wastes from the dairy products industry</b>
02 05 01	Materials unsuitable for consumption or processing
<b>02 06</b>	<b>Wastes from the baking and confectionery industry</b>
02 06 01	Materials unsuitable for consumption or processing
02 06 02	Wastes from preserving agents
<b>02 07</b>	<b>Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>
02 07 01	Wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	Wastes from spirits distillation
02 07 04	Materials unsuitable for consumption or processing
<b>03</b>	<b>WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD</b>
<b>03 01</b>	<b>Wastes from wood processing and the production of panels and furniture</b>
03 01 01	Waste bark and cork
03 01 05	Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
<b>03 03</b>	<b>Wastes from pulp, paper and cardboard production and processing</b>
03 03 01	Waste bark and wood
03 03 07	Mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	Wastes from sorting of paper and cardboard destined for recycling
03 03 10	Fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
<b>04</b>	<b>WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES</b>
<b>04 01</b>	<b>Wastes from the leather and fur industry</b>
04 01 08	Waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	Wastes from dressing and finishing
<b>04 02</b>	<b>Wastes from the textile industry</b>

04 02 21	Wastes from unprocessed textile fibres
04 02 22	Wastes from processed textile fibres
<b>06</b>	<b>WASTES FROM INORGANIC CHEMICAL PROCESSES</b>
<b>06 09</b>	<b>Wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes</b>
06 09 02	Phosphorous slag
06 09 04	Calcium-based reaction wastes other than those mentioned in 06 09 03
<b>06 11</b>	<b>Wastes from the manufacture of inorganic pigments and opacifiers</b>
06 11 01	Calcium-based reaction wastes from titanium dioxide production
<b>07</b>	<b>WASTES FROM ORGANIC CHEMICAL PROCESSES</b>
<b>07 02</b>	<b>Wastes from the MFSU of plastics, synthetic rubber and man-made fibres</b>
07 02 13	Waste plastic
<b>09</b>	<b>WASTES FROM THE PHOTOGRAPHIC INDUSTRY</b>
<b>09 01</b>	<b>Wastes from the photographic industry</b>
09 01 07	Photographic film and paper containing silver or silver compounds
09 01 08	Photographic film and paper free of silver or silver compounds
09 01 10	Single-use cameras without batteries
09 01 12	Single-use cameras containing batteries other than those mentioned in 09 01 11
<b>10</b>	<b>WASTES FROM THERMAL PROCESSES</b>
<b>10 01</b>	<b>Wastes from power stations and other combustion plants (except 19)</b>
10 01 01	Bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 05	Calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	Calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	Bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 19	Wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 24	Sands from fluidised beds
<b>10 02</b>	<b>Wastes from the iron and steel industry</b>
10 02 01	Wastes from the processing of slag
10 02 02	Unprocessed slag
10 02 08	Solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	Mill scales
10 02 14	Filter cakes from gas treatment other than those mentioned in 10 02 13

10 02 15	Other filter cakes
<b>10 03</b>	<b>Wastes from aluminium thermal metallurgy</b>
10 03 02	Anode scraps
10 03 05	Waste alumina
10 03 16	Skimmings other than those mentioned in 10 03 15
10 03 18	Carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 24	Solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	Filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28	Wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 30	Wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
<b>10 04</b>	<b>Wastes from lead thermal metallurgy</b>
10 04 10	Wastes from cooling-water treatment other than those mentioned in 10 04 09
<b>10 05</b>	<b>Wastes from zinc thermal metallurgy</b>
10 05 01	Slags from primary and secondary production
10 05 09	Wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11	Dross and skimmings other than those mentioned in 10 05 10
<b>10 06</b>	<b>Wastes from copper thermal metallurgy</b>
10 06 01	Slags from primary and secondary production
10 06 02	Dross and skimmings from primary and secondary production
10 06 10	Wastes from cooling-water treatment other than those mentioned in 10 06 09
<b>10 07</b>	<b>Wastes from silver, gold and platinum thermal metallurgy</b>
10 07 01	Slags from primary and secondary production
10 07 02	Dross and skimmings from primary and secondary production
10 07 03	Solid wastes from gas treatment
10 07 05	Filter cakes from gas treatment
10 07 08	Wastes from cooling-water treatment other than those mentioned in 10 07 07
<b>10 08</b>	<b>Wastes from other non-ferrous thermal metallurgy</b>
10 08 09	Other slags
10 08 11	Dross and skimmings other than those mentioned in 10 08 10
10 08 13	Carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	Anode scrap

10 08 18	Filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	Wastes from cooling-water treatment other than those mentioned in 10 08 19
<b>10 09</b>	<b>Wastes from casting of ferrous pieces</b>
10 09 03	Furnace slag
10 09 06	Casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	Casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 14	Waste binders other than those mentioned in 10 09 13
10 09 16	Waste crack-indicating agent other than those mentioned in 10 09 15
<b>10 10</b>	<b>Wastes from casting of non-ferrous pieces</b>
10 10 03	Furnace slag
10 10 06	Casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	Casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 14	Waste binders other than those mentioned in 10 10 13
10 10 16	Waste crack-indicating agent other than those mentioned in 10 10 15
<b>10 11</b>	<b>Wastes from manufacture of glass and glass products</b>
10 11 03	Waste glass-based fibrous materials
10 11 10	Waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	Waste glass other than those mentioned in 10 11 11
10 11 16	Solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	Filter cakes from flue-gas treatment other than those mentioned in 10 11 17
<b>10 12</b>	<b>Wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>
10 12 01	Waste preparation mixture before thermal processing
10 12 05	Filter cakes from gas treatment
10 12 06	Discarded moulds
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	Solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	Wastes from glazing other than those mentioned in 10 12 11
<b>10 13</b>	<b>Wastes from manufacture of cement, lime and plaster and articles and products made from them</b>
10 13 01	Waste preparation mixture before thermal processing
10 13 04	Wastes from calcination and hydration of lime

10 13 07	Filter cakes from gas treatment
10 13 10	Wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	Wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	Solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	Waste concrete
<b>11</b>	<b>WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO METALLURGY</b>
<b>11 01</b>	<b>Wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)</b>
11 01 10	Filter cakes other than those mentioned in 11 01 09
11 01 14	Degreasing wastes other than those mentioned in 11 01 13
<b>11 02</b>	<b>Wastes from non-ferrous hydrometallurgical processes</b>
11 02 03	Wastes from the production of anodes for aqueous electrolytical processes
11 02 06	Wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
<b>11 05</b>	<b>Wastes from hot galvanising processes</b>
11 05 01	Hard zinc
11 05 02	Zinc ash
<b>12</b>	<b>WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS</b>
<b>12 01</b>	<b>Wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
12 01 01	Ferrous metal filings and turnings
12 01 03	Non-ferrous metal filings and turnings
12 01 05	Plastics shavings and turnings
12 01 13	Welding wastes
12 01 17	Waste blasting material other than those mentioned in 12 01 16
12 01 21	Spent grinding bodies and grinding materials other than those mentioned in 12 01 20
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
<b>15 01</b>	<b>Packaging (including separately collected municipal packaging waste)</b>
15 01 01	Paper and cardboard packaging
15 01 02	Plastic packaging

15 01 03	Wooden packaging
15 01 04	Metallic packaging
15 01 05	Composite packaging
15 01 06	Mixed packaging
15 01 07	Glass packaging
15 01 09	Textile packaging
<b>15 02</b>	<b>Absorbents, filter materials, wiping cloths and protective clothing</b>
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
<b>16</b>	<b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>
<b>16 01</b>	<b>End-of-life vehicles from different means of transport [including off-road machinery] and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)</b>
16 01 03	End-of-life-tyres
<b>16 02</b>	<b>Wastes from electrical and electronic equipment</b>
16 02 14	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	Components removed from discarded equipment other than those mentioned in 16 02 15
<b>16 03</b>	<b>Off-specification batches and unused products</b>
16 03 04	Inorganic wastes other than those mentioned in 16 03 03
16 03 06	Organic wastes other than those mentioned in 16 03 05
<b>16 06</b>	<b>Batteries and accumulators</b>
16 06 04	Alkaline batteries (except 16 06 03)
16 06 05	Other batteries and accumulators
<b>16 11</b>	<b>Waste linings and refractories</b>
16 11 02	Carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	Other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	Linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>
<b>17 01</b>	<b>Concrete, bricks, tiles and ceramics</b>
17 01 01	Concrete
17 01 02	Bricks

17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<b>17 02</b>	<b>Wood, glass and plastic</b>
17 02 01	Wood
17 02 02	Glass
17 02 03	Plastic
<b>17 03</b>	<b>Bituminous mixtures, coal tar and tarred products</b>
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01
<b>17 04</b>	<b>Metals (including their alloys)</b>
17 04 01	Copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	Iron and steel
17 04 06	Tin
17 04 07	Mixed metals
17 04 11	Cables other than those mentioned in 17 04 10
<b>17 05</b>	<b>Soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	Soil and stones other than those mentioned in 17 05 03
17 05 08	Track ballast other than those mentioned in 17 05 07
<b>17 06</b>	<b>Insulation materials and asbestos-containing construction materials</b>
17 06 04	Insulation materials other than those mentioned in 17 06 01 and 17 06 03
<b>17 08</b>	<b>Gypsum-based construction material</b>
17 08 02	Gypsum-based construction materials other than those mentioned in 17 08 01
<b>17 09</b>	<b>Other construction and demolition wastes</b>
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
<b>19</b>	<b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE</b>
<b>19 01</b>	<b>Wastes from incineration or pyrolysis of waste</b>
19 01 02	Ferrous materials removed from bottom ash
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11

19 01 18	Pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	Sands from fluidised beds
<b>19 02</b>	<b>Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>
19 02 03	Premixed wastes composed only of non-hazardous wastes
19 02 10	Combustible wastes other than those mentioned in 19 02 08 and 19 02 09
<b>19 04</b>	<b>Vitrified waste and wastes from vitrification</b>
19 04 01	Vitrified waste
<b>19 05</b>	<b>Wastes from aerobic treatment of solid wastes</b>
19 05 01	Non-composted fraction of municipal and similar wastes
19 05 02	Non-composted fraction of animal and vegetable waste
19 05 03	Off-specification compost
<b>19 12</b>	<b>Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 01	Paper and cardboard
19 12 02	Ferrous metal
19 12 03	Non-ferrous metal
19 12 04	Plastic and rubber
19 12 05	Glass
19 12 07	Wood other than that mentioned in 19 12 06
19 12 08	Textiles
19 12 09	Minerals (for example sand, stones)
19 12 10	Combustible waste (refuse derived fuel)
<b>19 13</b>	<b>Wastes from soil and groundwater remediation</b>
19 13 02	Solid wastes from soil remediation other than those mentioned in 19 13 01
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
<b>20 01</b>	<b>Separately collected fractions (except 15 01)</b>
20 01 01	Paper and cardboard
20 01 02	Glass
20 01 08	Biodegradable kitchen and canteen waste
20 01 10	Clothes
20 01 11	Textiles



20 01 34	Batteries and accumulators other than those mentioned in 20 01 33
20 01 36	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	Wood other than that mentioned in.20 01.37
20 01 39	Plastics
20 01 40	Metals
20 01 41	Wastes from chimney sweeping
<b>20 02</b>	<b>Garden and park wastes (including cemetery waste)</b>
20 02 01	Biodegradable waste
20 02 02	Soil and stones
<b>20 03</b>	<b>Other municipal wastes</b>
20 03 01	Mixed municipal waste
20 03 02	Waste from markets
20 03 03	Street-cleaning residues
20 03 07	Bulky waste

## SCHEDULE OF TONNAGES

TOTAL ANNUAL INPUT NOT TO EXCEED 50,000 TONNES

TOTAL STORAGE CAPACITY 2,200 TONNES

## EXCLUSIONS

Wastes as having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Wastes that are in a form which is either sludge or liquid



## APPENDIX SS3

### WAMITAB Certification



# Continuing Competence Certificate

**This certificate confirms that**

**Robert Campbell**

**Has met the relevant requirements of the Continuing Competence scheme for the following award(s) which will remain current for two years from 06/08/2021**

TSNH                      Transfer - Non Hazardous Waste  
TMNH                      Treatment - Non Hazardous Waste

**Expiry Date:  
06/08/2023**

Verification date: 05/08/2021

Authorised:

A handwritten signature in black ink, appearing to read "A. Hockley".

Director of Qualifications and Standards

Learner ID: 22224

Certificate No.: 5182816

Date of Issue: 06/08/2021

A handwritten signature in black ink, appearing to read "D. W. Jones".

CIWM Chief Executive Officer



The Chartered Institution





### Credit certificate

This certificate determines credit awarded to:  
**Robert Campbell**

#### Units gained:

		Credit Value	Credit Level
Y6015875	Monitor procedures to safely control work operations	4	3
M6009712	Manage the environmental impact of work activities	5	4
R6021609	Manage the reception of non hazardous waste	7	4
A6021670	Manage the movement, sorting and storage of waste	7	3
F6021671	Manage site operations for the treatment of non hazardous waste	14	4
L6021429	Manage the transfer of outputs and disposal of residues from non hazardous waste treatment and recovery operations	13	4

**Awarded:** 08/05/2017

**Serial No.:** 22224/HSS3/1

#### Authorised

Chris James  
Chief Executive Officer, WAMITAB



For more information see <http://register.ofqual.gov.uk>



The qualifications regulators logos on this certificate indicate that the qualification is accredited only for England, Wales and Northern Ireland.



00109191





Certificate No. OCC67846

## Operator Competence Certificate

**Title:**

**Metal Recovery Site (wet scrap e.g. oily metal swarf - free flowing liquid)  
(4MTMRS6)**

**This Certificate is awarded to**

**Robert Campbell**

**Awarded: 25/05/2017**

**Authorised**

**WAMITAB Chief Executive Officer**

**CIWM Chief Executive Officer**



**The Chartered Institution  
of Wastes Management**

This certificate is jointly awarded by WAMITAB and the Chartered Institution of Wastes Management (CIWM) and provides evidence to meet the Operator Competence requirements of the Environmental Permitting (EP) Regulations, which came into force on 6 April 2008.



00113549



## APPENDIX SS4

ISO14001 & ISO9001  
Certification

# Certificate of Registration



This is to certify that the Environmental Management System of:

**Biffa Group**

Coronation Road, Cressex Business Park, High Wycombe, Buckinghamshire, HP12 3TZ, United Kingdom

(Central function listed above. See appendix for additional locations)

applicable to:

**The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics**

has been assessed and registered by NQA against the provisions of:

**ISO 14001:2015**

This registration is subject to the company maintaining an environmental management system, to the above standard, which will be monitored by NQA



Managing Director

Certificate No.	601
ISO Approval Date:	6 April 2004
Reissued:	30 April 2021
Valid Until:	2 September 2024
EAC Code:	39



0015

# Certificate of Registration



Appendix to Certificate Number: 601

**Includes Facilities Located at:**

**Biffa Group**

Certificate No. 601  
Coronation Road Cressex Business  
Park  
High Wycombe Buckinghamshire HP12  
3TZ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Irlam Recycling M44 5BF**

Certificate No. 601/1  
Resource Recovery Division Irlam  
Recycling Gilchrist Road  
Manchester M44 5BF  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - St Neots Recycling PE19 2HB**

Certificate No. 601/2  
Unit 6-7 1 Marston Road  
St. Neots Cambridgeshire PE19 2HB  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - East Lothian**

Certificate No. 601/3  
Unit 5 27 Distribution Road  
Macmerry East Lothian EH33 1RD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



0015

ISO Approval Date:	6 April 2004
Reissued:	30 April 2021
Valid Until:	2 September 2024



# Certificate of Registration



Appendix to Certificate Number: 601

**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Cottonmouth Landfill Site BT36 4QN**

Certificate No. 601/4  
140 Mallusk Road  
Newtownabbey County Antrim BT36  
4QN  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Leicester**

Certificate No. 601/5  
Ball Mill Hoods Close  
Leicester LE4 2BN  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - South Bucks**

Certificate No. 601/6  
Dropmore Road Depot Dropmore Road  
Burnham Buckinghamshire SL1 8ND  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Kilsyth  
Treatment & Transfer Plant G65 9LP**

Certificate No. 601/112  
13 Kilsyth Road Twechar  
Glasgow G65 9LP  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



0015

ISO Approval Date:	6 April 2004
Reissued:	30 April 2021
Valid Until:	2 September 2024



Appendix to Certificate Number: 601

**Includes Facilities Located at:**

**Biffa Municipal Limited - Forest of Dean**

Certificate No. 601/113  
Valley Road Cinderford  
Gloucester Gloucestershire GL14 2NX  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Swindon Transfer Station - SN3 4PD**

Certificate No. 601/105  
Bridge End Road,  
Swindon SN3 4PD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - South Staffs**

Certificate No. 601/106  
Poplars Land Fill Site Lichfield Road  
Cannock Staffordshire WS11 8NQ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Melton**

Certificate No. 601/107  
Recycling Centre Lake Terrace  
Melton Mowbray Leicestershire LE13 0BZ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited - St Helens Transfer Station - WA9 1LT**

Certificate No. 601/109  
Navigation Road, Pocket Nook, St Helens  
WA9 1LT  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Eversley Transfer Station RG27 8BP**

Certificate No. 601/110  
Star Hill Sawmills Star Hill  
Hook Hampshire RG27 8BP  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Attlebridge Landfill Site NR9 5TD**

Certificate No. 601/111  
Reepham Road Attlebridge  
Norwich NR9 5TD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Bodmin**

Certificate No. 601/97  
Windwhistle Depot, Windwhistle House  
Cooksland Road  
Bodmin Cornwall PL31 2RH  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - South Oxford & Vale of White Horse**

Certificate No. 601/98  
Unit 126 Site 1 Station Road  
Abingdon Oxfordshire OX14 3DA  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Mid Kent - Swale**

Certificate No. 601/99  
Gas Road Milton Regis  
Sittingbourne Kent ME10 2QB  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -Wembley Transfer Station HA0 1ES**

Certificate No. 601/101  
Wembley Transfer Station Marsh Road  
Wembley Middlesex HA0 1ES  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Ufton Landfill Site CV33 9PP**

Certificate No. 601/103  
Ufton Landfill Site UftonNr Southam  
Leamington Spa Warwickshire CV33 9PP  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Colnbrook Landfill Site SL3 8AB**

Certificate No. 601/104

Sutton Lane

Slough SL3 8AB

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Skelton Grange Landfill Site LS15  
4HD**

Certificate No. 601/90

Skelton Grange Landfill Site Newsam  
Green

Leeds LS15 9AD

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa West Sussex Limited -  
Brookhurst Wood RH12 4QD**

Certificate No. 601/91

Brookhurst Wood Langhurst Wood  
Road

Horsham West Sussex RH12 4QD

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Anglesey**

Certificate No. 601/93

Anglesey Industrial Estate

Gaerwen Anglesey LL60 6HR

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Bradford Transfer Station BD4 8YF**

Certificate No. 601/94

Bradford Transfer Station Peace Street  
Bradford West Yorkshire BD4 8YF  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Standen Heath Landfill - PO30 2PD**

Certificate No. 601/95

Plot 45, Manners View, Newport, Isle of Wight  
PO30 2PD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Norwich**

Certificate No. 601/96

William Frost Way Longwater Business Park  
Norwich Norfolk NR5 0JS  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Meece  
Landfill Site ST15 0QN**

Certificate No. 601/84

Meece Landfill Site Swynnerton  
Nr Stone Staffordshire ST15 0QN  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Manchester**

Certificate No. 601/85  
Manchester 1st Floor Council Depot  
Hammerstone Road,  
Manchester M18 8EQ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Broxburn MRF - EH52 5AU**

Certificate No. 601/86  
Unit 33B, 2/8 Westerton Road  
Broxburn EH52 5AU  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -Trecatti Landfill Site CF48 4AB**

Certificate No. 601/87  
Trecatti Landfill Site Pant-y-Waun  
Merthyr Tydfil Mid Glamorgan CF48 4AB  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Pebsham Landfill Site TN38 8AY**

Certificate No. 601/88  
Freshfields Bexhill Road  
St. Leonards-on-Sea East Sussex TN38 8AY  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited - Tipton Transfer Station DY4 7BY**

Certificate No. 601/89

Tipton Transfer Station Chimney Road  
Tipton West Midlands DY4 7BY  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Stevenage HW - SG1 2BW**

Certificate No. 601/78

Leyden Road  
Stevenage SG1 2BW  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Arun**

Certificate No. 601/79

Harwood Road Depot Harwood Road  
Littlehampton West Sussex BN17 7AU  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Loughborough HW - LE12 5TR**

Certificate No. 601/80

Plot F & Car Park, Wymeswold  
Industrial Park Wymeswold Lane  
Burton on the Wolds LE12 5TR  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Bradford Recycling BD4 7EZ**

Certificate No. 601/81

Linton Street

Bradford West Yorkshire BD4 7EZ

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services  
Limited-Sheffield HW - S20 3FG**

Certificate No. 601/82

Holbrook Rise

Sheffield S20 3FG

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Poplars Landfill Site WS11 8EQ**

Certificate No. 601/83

Poplars Landfill Site Lichfield Road

Cannock Staffordshire WS11 8EQ

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Milton  
Keynes Transfer Station - MK6 1NE**

Certificate No. 601/72

Chesney Wold

Milton Keynes MK6 1NE

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Sheffield Transfer Station - S9 5FE**

Certificate No. 601/73  
359-361 Greenland Road, Sheffield,  
South Yorkshire  
S9 5FE  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Mid Kent  
JWP - Operations Centre**

Certificate No. 601/74  
Gas Road Milton Pipes  
Sittingbourne Kent ME10 2QB  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Eye  
Landfill Site PE6 7TH**

Certificate No. 601/75  
Eye Landfill Site Eyebury Road  
Peterborough PE6 7TH  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Edmonton MRF (Atlas) N9 0BD**

Certificate No. 601/76  
Unit 2 Aztec 406  
London Middlesex N9 0BD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Brookhurst Wood Landfill Site RH12  
4QD**

Certificate No. 601/77  
Brookhurst Wood Landfill Site Langhurst  
Wood Road  
Horsham West Sussex RH12 4QD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Edmonton Transfer Station N17 0UN**

Certificate No. 601/65  
Edmonton Transfer Station 81 Garman  
Road  
London N17 0UN  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Chelmsford Recycling CM3 3AW**

Certificate No. 601/66  
Chelmsford Recycling Industrial Estate,  
Waltham Road  
Chelmsford CM3 3AW  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Atherstone HW - CV9 1JG**

Certificate No. 601/67  
Unit 12 Fourways  
Atherstone CV9 1JG  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Southampton TS & Recycling Centre**

Certificate No. 601/69  
Link House Tower Lane  
Eastleigh SO50 6NZ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Dewsbury Transfer Station - WF13  
3LX**

Certificate No. 601/70  
Low Mill Lane  
Dewsbury WF13 3LX  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Avonmouth Recycling BS11 9HW**

Certificate No. 601/71  
Unit 7 Yara Trading Estate St. Andrews  
Road  
Bristol BS11 9HW  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - St Austell**

Certificate No. 601/59  
Tregongeeves Depot, Tregongeeves  
Lane, St Mewan  
St. Austell Cornwall PL26 7DS  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Bude**

Certificate No. 601/60  
Kingshill Depot, Unit 15 & 16 Kingshill  
Industrial Estate  
Kings Hill, Bude Cornwall EX23 8QN  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Etwall IVC Composting DE65 6GX**

Certificate No. 601/61  
Etwall Composting Boundary Road  
Etwall South Derbyshire DE65 6GX  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited- West Manchester MRF & Transfer Station and Workshop**

Certificate No. 601/62  
Junction Works Bickershaw Lane  
Wigan WN2 5TB  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Leicester Transfer Station LE67 3NB**

Certificate No. 601/63  
Snibston Drive  
Coalville Leicestershire LE67 3NB  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Houghton le Spring Landfill Site DH4  
4AU**

Certificate No. 601/64  
The Quarry Quarry Row  
Houghton Le Spring Tyne And Wear  
DH4 4AU  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Waresley & Hartlebury Landfill  
Operations DY10 4JB**

Certificate No. 601/53  
Waresley & Hartlebury Landfill  
Operations Unit 100 Hartlebury Trading  
Estate  
Hartlebury Worcestershire DY10 4JB  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Studley Grange Landfill Site SN4  
9QT**

Certificate No. 601/54  
Studley  
Swindon SN4 9QT  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Swarf  
(Foxyards) DY4 9AQ**

Certificate No. 601/55  
Bean Road  
Tipton West Midlands DY4 9AQ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Newstead Transfer Station - ST4 8HT**

Certificate No. 601/56

Newstead Materials Recycling Facility  
Alderflat Drive, Newstead Industrial  
Estate  
Trentham, Stoke on Trent Staffordshire  
ST4 8HX  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Crawley**

Certificate No. 601/57

Metcalf Way Depot Metcalf Way  
Crawley West Sussex RH11 7SU  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - East  
London Transfer Station IG11 0TT**

Certificate No. 601/58

Maybell Farm, Ripple Road,  
Barking, Essex IG11 0TT  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Edinburgh Transfer Station - EH5  
1QD**

Certificate No. 601/45

West Shore Road  
Edinburgh EH5 1QD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Portsmouth**

Certificate No. 601/47  
Unit 26 A/B/C Alchorne Place  
Portsmouth PO3 5QL  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - North Somerset**

Certificate No. 601/49  
. Unit 6a & 6b Westland Distribution Park  
Weston Super Mare BS24 9AB  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Cannock**

Certificate No. 601/50  
Poplars Land Fill Site Lichfield Road  
Cannock Staffordshire WS11 8NQ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Ufton IVC CV33 9PP**

Certificate No. 601/51  
In Vessel Composting Site Ufton Landfill Site  
Leamington Spa Warwickshire CV33 9PP  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited - Cardiff  
Recycling CF10 4TS**

Certificate No. 601/52  
Nationwide Works Viking Place  
Cardiff CF10 4TS  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Mid Kent -  
Ashford**

Certificate No. 601/39  
Unit 6-8 Hanover Close Cobbs Wood  
Industrial Estate  
Ashford Kent TN23 1EJ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Attleborough HW - NR17 2QZ**

Certificate No. 601/40  
Unit 51 Maurice Gaymer Road  
Attleborough NR17 2QZ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - East Hants  
& Winchester**

Certificate No. 601/41  
Barfield Close  
Winchester Hampshire SO23 9SQ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Bramford Landfill Site IP8 4DE**

Certificate No. 601/42  
Paper Mill Lane Bramford  
Ipswich IP8 4DE  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - North  
Herts Landfill Site SG5 3RT**

Certificate No. 601/43  
North Herts Landfill Site Bedford Road  
Hitchin Hertfordshire SG5 3RT  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Ugley  
Landfill Site CM22 6HT**

Certificate No. 601/44  
Cambridge Road Ugley  
Bishop's Stortford Hertfordshire CM22  
6HT  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Grimsby Transfer Station DN31 2RL**

Certificate No. 601/32  
Grimsby Transfer Station Gilbey Road  
Grimsby South Humberside DN31 2RL  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Rutland**

Certificate No. 601/34  
Rutland Contract, Unit 4 Station Court  
Whissendine Road, Ashwell  
Oakham, Rutland Leicestershire LE15  
7LT  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Cardiff Transfer Station CF11 8DL**

Certificate No. 601/35  
Cardiff Transfer Station Leckworth  
Industrial Estate  
Cardiff CF11 8DL  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Tandridge**

Certificate No. 601/36  
Warren Lane Depot Warren Lane  
Oxted Surrey RH8 9DB  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - St Erth**

Certificate No. 601/37  
St Erth Depot, St Erth Industrial Estate  
Rose an Grouse, Canonstown  
Hayle Cornwall TR27 6LP  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Wilnecote Landfill Site B77 1LT**

Certificate No. 601/38

Rush Lane Dosthill

Tamworth Staffordshire B77 1LT

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Poplars AD Plant WS11 8NQ**

Certificate No. 601/26

Poplars Anaerobic Digestion Facility  
(Known as Poplars AD)

Cannock Staffordshire WS11 8NQ

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Mid Kent -  
Maidstone**

Certificate No. 601/27

Park Wood Depot Bircholt Road, Park  
Wood

Maidstone Kent ME15 9XY

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited  
Wednesbury Treatment Centre WS10  
7NR**

Certificate No. 601/28

Wednesbury Treatment Centre Potters  
Lane

Wednesbury West Midlands WS10 7NR

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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Reissued:

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**Includes Facilities Located at:**

**Biffa Waste Services Limited - Risley  
Landfill Site WA3 6BY**

Certificate No. 601/29  
Moss Side Farm Silver Lane  
Warrington WA3 6BY  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Hull  
Transfer Station**

Certificate No. 601/30  
Bailing Plant, Stoneferry Road,  
Hull, HU8 8AU  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Redhill Landfill Site RH1 4ER**

Certificate No. 601/31  
Patteson Court Landfill Cormongers  
Lane  
Redhill RH1 4ER  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Caerphilly MRF - CF82 7TR**

Certificate No. 601/20  
Unit 3 Willow Way Dyffryn Business  
Park  
Caerphilly CF82 7TR  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Stratford on Avon**

Certificate No. 601/21  
The Council Yard Avenue Farm  
Industrial Estate  
Stratford upon Avon Warwickshire CV37  
0HR  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Westmill Landfill Site SG12 0ES**

Certificate No. 601/22  
Westmill Farm Westmill  
Ware Hertfordshire SG12 0ES  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Burscough HW - L40 8LD**

Certificate No. 601/23  
7 Tollgate Crescent Burscough Industrial Estate  
Ormskirk L40 8LT  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Lincoln**

Certificate No. 601/24  
Lincoln Contract, Central Depot  
Stampend, Waterside South  
Lincoln Lincolnshire LN5 7JD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Glasgow Transfer Station G4 0LP**

Certificate No. 601/25  
360 Pinkston Road  
Glasgow G4 0LP  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Nottingham Transfer Station NG4  
2JR**

Certificate No. 601/14  
Nottingham Transfer Station Private  
Road 2  
NOTTINGHAM NG4 2JR  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Kilsby  
Landfill Site CV23 8XF**

Certificate No. 601/15  
Grove Farm Daventry Road  
Rugby Warwickshire CV23 8XF  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - York  
Transfer Station - YO26 7QF**

Certificate No. 601/17  
Unit 13 Marston Moor Business Park,  
Tockwith YO26 7QF  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Wirral**

Certificate No. 601/18  
Dock Road South  
Wirral Cheshire CH62 4SQ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Aldridge MRF WS9 8EX**

Certificate No. 601/19  
Westgate Aldridge  
Walsall Staffordshire WS9 8EX  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Epping Forest**

Certificate No. 601/20  
Waltham Cross Depot New Ford Road  
Waltham Cross Hertfordshire EN8 7PG  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Shakespeare Farm**

Certificate No. 601/7  
Shakespeare Farm Ratcliffe Highway  
Rochester Kent ME3 8RN  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Liskeard**

Certificate No. 601/8

Moorswater Depot Old Station Road  
Moorswater, Liskeard Cornwall PL14  
4LA  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Roxby  
Landfill Site DN15 0BD**

Certificate No. 601/9

Winterton Road  
Scunthorpe South Humberside DN15  
0BD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Derby  
MRF DE24 8EJ**

Certificate No. 601/10

Derby MRF Unit 4 Trafalgar Park Way  
Derby Derbyshire DE24 8EJ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Warwick**

Certificate No. 601/12

Lower House Farm Birch Coppice  
Industrial Estate  
Atherstone CV9 2QA  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited - Cardiff  
Transfer Station CF10 5FX**

Certificate No. 601/13

Cardiff Transfer Station Curran  
Embankment  
Cardiff CF10 5FX  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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# Certificate of Registration



This is to certify that the Quality Management System of:

**Biffa Group**

Coronation Road, Cressex Business Park, High Wycombe, Buckinghamshire, HP12 3TZ,  
United Kingdom

(Central function listed above. See appendix for additional locations)

applicable to:

**The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics**

has been assessed and registered by NQA against the provisions of:

**ISO 9001:2015**

This registration is subject to the company maintaining a quality management system, to the above standard, which will be monitored by NQA



Managing Director

Certificate No.	19225
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EAC Code:	39



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**Includes Facilities Located at:**

**Biffa Group**

Certificate No. 19225  
Coronation Road Cressex Business  
Park  
High Wycombe Buckinghamshire HP12  
3TZ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - St Erth**

Certificate No. 19225/1  
St Erth Depot, St Erth Industrial Estate  
Rose an Grouse, Canonstown  
Hayle Cornwall TR27 6LP  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Manchester**

Certificate No. 19225/2  
Manchester 1st Floor Council Depot  
Hammerstone Road,  
Manchester M18 8EQ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Crawley**

Certificate No. 19225/3  
Metcalf Way Depot Metcalf Way  
Crawley West Sussex RH11 7SU  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - East Hants & Winchester**

Certificate No. 19225/4

Barfield Close

Winchester Hampshire SO23 9SQ

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - St Austell**

Certificate No. 19225/5

Tregongeeves Depot, Tregongeeves Lane, St Mewan

St. Austell Cornwall PL26 7DS

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - North Somerset**

Certificate No. 19225/6

. Unit 6a & 6b Westland Distribution Park

Weston Super Mare BS24 9AB

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Bodmin**

Certificate No. 19225/48

Windwhistle Depot, Windwhistle House

Cooksland Road

Bodmin Cornwall PL31 2RH

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Edmonton MRF (Atlas) N9 0BD**

Certificate No. 19225/49

Unit 2 Aztec 406

London Middlesex N9 0BD

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - South Staffs**

Certificate No. 19225/50

Poplars Land Fill Site Lichfield Road

Cannock Staffordshire WS11 8NQ

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Loughborough HW - LE12 5TR**

Certificate No. 19225/51

Plot F & Car Park, Wymeswold

Industrial Park Wymeswold Lane

Burton on the Wolds LE12 5TR

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Atherstone HW - CV9 1JG**

Certificate No. 19225/52

Unit 12 Fourways

Atherstone CV9 1JG

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Wirral**

Certificate No. 19225/41  
Dock Road South  
Wirral Cheshire CH62 4SQ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Attleborough HW - NR17 2QZ**

Certificate No. 19225/42  
Unit 51 Maurice Gaymer Road  
Attleborough NR17 2QZ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Derby  
MRF DE24 8EJ**

Certificate No. 19225/43  
Derby MRF Unit 4 Trafalgar Park Way  
Derby Derbyshire DE24 8EJ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Warwick**

Certificate No. 19225/45  
Lower House Farm Birch Coppice  
Industrial Estate  
Atherstone CV9 2QA  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Arun**

Certificate No. 19225/46  
Harwood Road Depot Harwood Road  
Littlehampton West Sussex BN17 7AU  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited-Sheffield HW - S20 3FG**

Certificate No. 19225/47  
Holbrook Rise  
Sheffield S20 3FG  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Mid Kent - Maidstone**

Certificate No. 19225/33  
Park Wood Depot Bircholt Road, Park Wood  
Maidstone Kent ME15 9XY  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Mid Kent - Ashford**

Certificate No. 19225/34  
Unit 6-8 Hanover Close Cobbs Wood  
Industrial Estate  
Ashford Kent TN23 1EJ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Waste Services Limited -  
Brookhurst Wood Landfill Site RH12  
4QD**

Certificate No. 19225/36  
Brookhurst Wood Landfill Site Langhurst  
Wood Road  
Horsham West Sussex RH12 4QD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Norwich**

Certificate No. 19225/38  
William Frost Way Longwater Business  
Park  
Norwich Norfolk NR5 0JS  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - South  
Oxford & Vale of White Horse**

Certificate No. 19225/39  
Unit 126 Site 1 Station Road  
Abingdon Oxfordshire OX14 3DA  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Mid Kent -  
Swale**

Certificate No. 19225/40  
Gas Road Milton Regis  
Sittingbourne Kent ME10 2QB  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - South Bucks**

Certificate No. 19225/27

Dropmore Road Depot Dropmore Road  
Burnham Buckinghamshire SL1 8ND  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Cannock**

Certificate No. 19225/28

Poplars Land Fill Site Lichfield Road  
Cannock Staffordshire WS11 8NQ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Bude**

Certificate No. 19225/29

Kingshill Depot, Unit 15 & 16 Kingshill  
Industrial Estate  
Kings Hill, Bude Cornwall EX23 8QN  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Epping Forest**

Certificate No. 19225/30

Waltham Cross Depot New Ford Road  
Waltham Cross Hertfordshire EN8 7PG  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Melton**

Certificate No. 19225/31  
Recycling Centre Lake Terrace  
Melton Mowbray Leicestershire LE13  
0BZ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Burscough HW - L40 8LD**

Certificate No. 19225/32  
7 Tollgate Crescent Burscough Industrial Estate  
Ormskirk L40 8LT  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Tandridge**

Certificate No. 19225/20  
Warren Lane Depot Warren Lane  
Oxted Surrey RH8 9DB  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Kilsyth Treatment & Transfer Plant G65 9LP**

Certificate No. 19225/22  
13 Kilsyth Road Twechar  
Glasgow G65 9LP  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - East Lothian**

Certificate No. 19225/23  
Unit 5 27 Distribution Road  
Macmerry East Lothian EH33 1RD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Forest of Dean**

Certificate No. 19225/24  
Valley Road Cinderford  
Gloucester Gloucestershire GL14 2NX  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited  
Wednesbury Treatment Centre WS10 7NR**

Certificate No. 19225/25  
Wednesbury Treatment Centre Potters Lane  
Wednesbury West Midlands WS10 7NR  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -  
Stevenage HW - SG1 2BW**

Certificate No. 19225/26  
Leyden Road  
Stevenage SG1 2BW  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Portsmouth**

Certificate No. 19225/14  
Unit 26 A/B/C Alchorne Place  
Portsmouth PO3 5QL  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Leicester**

Certificate No. 19225/15  
Ball Mill Hoods Close  
Leicester LE4 2BN  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Cardiff  
Transfer Station CF10 5FX**

Certificate No. 19225/16  
Cardiff Transfer Station Curran  
Embankment  
Cardiff CF10 5FX  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited - Swarf  
(Foxyards) DY4 9AQ**

Certificate No. 19225/17  
Bean Road  
Tipton West Midlands DY4 9AQ  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



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**Includes Facilities Located at:**

**Biffa Municipal Limited - Mid Kent**

**JWP - Operations Centre**

Certificate No. 19225/18

Gas Road Milton Pipes

Sittingbourne Kent ME10 2QB

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Lincoln**

Certificate No. 19225/19

Lincoln Contract, Central Depot

Stampend, Waterside South

Lincoln Lincolnshire LN5 7JD

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Anglesey**

Certificate No. 19225/7

Anglesey Industrial Estate

Gaerwen Anglesey LL60 6HR

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Waste Services Limited -**

**Aldridge MRF WS9 8EX**

Certificate No. 19225/8

Westgate Aldridge

Walsall Staffordshire WS9 8EX

United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



0015

ISO Approval Date:

30 March 2005

Reissued:

30 April 2021

Valid Until:

2 September 2024



# Certificate of Registration



Appendix to Certificate Number: 19225

**Includes Facilities Located at:**

**Biffa Municipal Limited - Rutland**

Certificate No. 19225/9  
Rutland Contract, Unit 4 Station Court  
Whissendine Road, Ashwell  
Oakham, Rutland Leicestershire LE15  
7LT  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Stratford on Avon**

Certificate No. 19225/11  
The Council Yard Avenue Farm  
Industrial Estate  
Stratford upon Avon Warwickshire CV37  
0HR  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa Municipal Limited - Liskeard**

Certificate No. 19225/12  
Moorswater Depot Old Station Road  
Moorswater, Liskeard Cornwall PL14  
4LA  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics

**Biffa West Sussex Limited - Brookhurst Wood RH12 4QD**

Certificate No. 19225/13  
Brookhurst Wood Langhurst Wood  
Road  
Horsham West Sussex RH12 4QD  
United Kingdom

The provision of full waste management services including collection, treatment and cleaning. The processing and disposal of waste and recyclable materials as well as the production and sale of energy and recovered commodities including aggregates, paper, glass, metals and plastics



0015

ISO Approval Date:	30 March 2005
Reissued:	30 April 2021
Valid Until:	2 September 2024



## APPENDIX SS5

# Staff Responsibilities



**BIFFA WASTE SERVICES LIMITED**  
**MERIDEN WASTE TRANSFER STATION**

**STAFF RESPONSIBILITIES SUMMARY**

**Managerial Level**

*Regional Operations Manager/Director (Office Based)*

- Company Overview and strategic business input.
- Operations input.
- Business development.
- Financial Overview and control.
- Compliance Issues.

*Operations Manager (Site Based)*

- Financial control on a day to day basis.
- Operations control on a day to day basis.
- COTC Holder.
- Compliance with Environmental, Health and Safety and Quality requirements.
- Management of site staff.
- Operational compliance and maintenance scheduling.

**Operative Level**

*Weighbridge Operator*

- Reception of loads and dispatch of loads.
- Duty of Care checks in terms of load inspection and confirmation of appropriate paperwork.

*Admin Assistants*

- Clerical support to operations including sales and general administration duties.

*LGV Driver / Machine Drivers / Site Operatives*

- Collection and delivery of materials.
- Unloading and loading of materials.
- Duty of Care checks in terms of load inspection and confirmation of appropriate paperwork.
- Appropriate storage of operational materials and waste materials.
- Undertaking maintenance and cleaning schedules.
- Compliance with environmental, health and safety and product requirements.



## APPENDIX SS6

# Operation & Maintenance Daily Check Sheet



Operation and Maintenance Daily Check Sheet Biffa Waste Services Limited					
COTC		Date		Time	
Weather					

Site Wide Inspections	Condition		Comments and Corrective Action
	Last check	This check	
	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	
<p>Dust</p> <p>Visually inspect the site for evidence of dust accumulation (on surfaces) and generation (from vehicle/waste movements)</p> <p>Is there any visible evidence of dust buildup on vehicle/hard standing surfaces?</p>			
<p>Odour</p> <p>Undertake olfactory monitoring (sniff test) for odour around the site boundary, at surface water discharge point and next to waste storage areas.</p> <p>Record any identified odours, their intensity, their location on-site and their source</p> <p><b>Note: Odour monitoring procedure and Odour intensity scale are included overleaf for reference</b></p>			
<p>Litter</p> <p>Inspect the site for evidence of litter (operational areas and surrounding fence line)</p>			



Site Wide Inspections	Condition		Comments and Corrective Action
	Last check	This check	
	<input type="checkbox"/>	<input type="checkbox"/> /	
Noise  During site inspection listen for any elevated/unusual noises  Record any identified noises above background levels, their location on site and their source			
Scavengers, Insects and Other Pests  Inspect the site for signs of infestation or attracting scavengers			

**Odour Monitoring Procedure:**

1. The duration spent at each monitoring locations should be a minimum of 1 minute;
2. Continue to breathe normally during inspection;
3. During this time undertaken assessments for the other listed site wide inspection aspects (dust, litter, noise and scavenger, insects and other pests) and record any comments.

**Odour Intensity Scale:**

0. No detectable odour
1. Very faint odour (only just detectable)
2. Faint odour (barely detectable, need to stand still and inhale facing into the wind)
3. Distinct odour (detected while walking and breathing normally)
4. Strong odour (easily detected while walking and breathing normally, possibly offensive)
5. Very strong odour (bearable, but offensive)
6. Extremely strong odour (not bearable)



Area Inspected	Condition		Comments and Corrective Action
	Last check	This check	
	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	
Internal Access Routes Inspect access routes for wear and cracks. Also inspect for litter and dust.			
Concrete, Tarmac and Hardstanding Surfacing Inspect impermeable surfaces for wear and cracks.			
General Drainage Check for wear and blockages.			
Waste Storage Areas (internal and external) Check storage areas for wear and damage. Check not overfilled.			
Waste Vehicle Parking Inspect impermeable surfaces for wear and cracks.			
Mobile (Materials Handling) Plant Inspect for damage/leaks before and after use.			
Vehicle exhaust treatment additive storage container Check for potential leaks, cracks and holes.			
Staff Vehicle Parking Inspect impermeable surfaces for wear and cracks.			



Area Inspected	Condition		Comments and Corrective Action
	Last check	This check	
	<input type="checkbox"/>	<input type="checkbox"/> / <input type="checkbox"/>	
General Tools/Equipment Inspect for defects before and after use			
Safety Equipment Check for defects.			
Security – Fence line, CCTV and access gates Check for damages			



## APPENDIX SS7

### Relevant Convictions



## **Relevant Convictions**

Company/individual:	Biffa Waste Services Limited.
Position of individual:	N/A.
Court:	Doncaster Magistrates Court.
Date of conviction:	05/06/89
Offence:	The relevant offence for which Biffa Waste Services Limited was convicted on 5 <sup>th</sup> June 1989 under s3 of the Control of Pollution Act 1974 related to handling of asbestos wastes at the Company's landfill site at Finningley, near Doncaster, South Yorkshire. Bagged asbestos waste was received in bulk (approximately 35 m <sup>3</sup> containers) and when tipped could not be handled in a satisfactory manner.
Penalty imposed:	Fine £1000.
Outstanding appeals:	N/A
Additional information:	To prevent a re-occurrence a revised working plan method was introduced and the Waste Disposal Licence for the site was amended to restrict the size of bagged asbestos loads to 10.7 m <sup>3</sup> containers. No further incidents of this nature have occurred.
Company/individual:	Biffa Environmental Technology Limited/ Mr. R. B. Tate.
Position of individual:	R. B. Tate, Director.
Court:	West Bromwich Magistrates Court.
Date of conviction:	29/06/92
Offence:	The relevant offence for which Biffa Environmental Technology was convicted on 29 <sup>th</sup> June 1992 under s3 of the Control of Pollution Act 1974 related to the emission of chlorine gas from the Company's liquid waste treatment plant at Wednesbury, West Midlands. A quantity of dilute waste acid was added to a treatment tank already containing rainwater contaminated with dilute waste bleach, the resulting reaction causing the release of chlorine gas from the plant.
Penalty imposed:	Fine £500 and £1000 costs.
Outstanding appeals:	N/A
Additional information:	To prevent a re-occurrence of the above incident the treatment methodology was changed. No further incidents of this nature have occurred.





Company/individual: Island Waste Services Limited.  
Position of individual: N/A.  
Court: Newport Magistrates Court, Isle of Wight.  
Date of conviction: 12/06/00  
Offence: The two relevant offences for which Island Waste Services was convicted on 12<sup>th</sup> June 2000 under s33(6) of the Environmental Protection Act 1990 related to two breaches of licence conditions at the Company's Lynbottom landfill site, Isle of Wight. A breach of condition 11.4 related to the inability to cover waste by the end of the working day due to a failure of site plant. A breach of condition 7.9 related to the failure to record details of the failure of the site plant and stand-by plant on the same day in the site diary.  
Penalty imposed: Fine £3500 and £2700 costs.  
Outstanding appeals: N/A  
Additional information: To prevent a re-occurrence site specific procedures have been revised.

Company/individual: Biffa Waste Services.  
Position of individual: N/A  
Court: Bournemouth Magistrates Court.  
Date of conviction: 17/09/02  
Offence: The relevant offence for which Biffa Waste Services was convicted on 17<sup>th</sup> September 2002 under s33(1)(c) and s33(6) of the Environmental Protection Act 1990 related to keeping of waste on land in a manner likely to cause pollution to the environment at the Whites Pit landfill site in Wimborne, Dorset at which Biffa are the operator. Odour arose in relation to a leachate tankering operation.  
Penalty imposed: Fine £7000 and £5881.14 costs.  
Outstanding appeals: N/A  
Additional information: No further incidents of this nature have occurred.



Company/individual: Barge Waste Management.  
Position of individual: N/A  
Court: Salisbury Magistrates Court.  
Date of conviction: 20/09/02  
Offence: The relevant offence for which Barge Waste Management was convicted on 20<sup>th</sup> September 2002 under s33(6) of the Environmental Protection Act 1990, related to the acceptance of food waste at the company's Whiteparish landfill, near Salisbury in Wiltshire.  
Penalty imposed: Fine £8500 and £2291 costs.  
Outstanding appeals: N/A  
Additional information: To prevent a re-occurrence procedures have been augmented in relation to the inspection of materials accepted at the site.

Company/individual: Biffa Waste Services.  
Position of individual: N/A  
Court: Cannock Magistrates Court (sitting at Stafford).  
Date of conviction: 22/07/04  
Offence: The two relevant offences for which Biffa Waste Services was convicted on 22<sup>nd</sup> July 2004 under s33(6) and s33(1)(b) of the Environmental Protection Act 1990 related to a breach of condition F8 of the waste management licence and keeping of waste on land otherwise than in accordance with the waste management licence at the Poplars landfill site in Cannock, Staffordshire at which Biffa are the operator. Condition F8 requires that precautions are taken effectively to deal with (vermin and) insects on the site. The site had failed to maintain cover in several small areas, which was deemed the precaution to deal effectively with flies.  
Penalty imposed: Fine of £8,000 on the first charge with no further fine on the second charge, and costs of £17,500 were awarded to the Environment Agency.  
Outstanding appeals: N/A  
Additional information: The offences subject to the above prosecutions occurred during 6<sup>th</sup> and 28<sup>th</sup> June 2001. Since the date of the offence, Biffa has been actively engaged in a regular and proactive program of fly control measures on site, including application of insecticides, fly surveys and fly counts. No further incidents of this nature have occurred.



Company/individual:	Biffa Waste Services.
Position of individual:	N/A
Court:	Northampton Magistrates Court
Date of conviction:	17/07/07
Offence:	The three relevant offences for which Biffa Waste Services was convicted on 17 <sup>th</sup> July 2007 under s34 of the Environmental Protection Act 1990 related to failure to provide a sufficiently comprehensive description of waste on three similar consignments sent to WasteGo's hazardous waste landfill site at Kingscliffe, Peterborough. The materials were predominantly hair care products (shampoos, aerosols, mousses etc) transferred from Biffa's Cardiff Special waste facility to the hazardous waste landfill site.
Penalty imposed:	Fine of £4,000 on the first offence with no further fine on the second or third offences, and costs of £16,872.72 were awarded to the Environment Agency.
Outstanding appeals:	N/A
Additional information:	In pleading guilty to the above offences, mitigation was pleaded that WasteGo had still been provided with sufficient information, including the presence of liquids, to have enabled their rejected the wastes at the pre-notification stage, the booking in stage, or at the weighbridge. WasteGo had appeared not to follow their own procedures and the Agency appeared to have enabled a number of operators to continue to forward similar consignments over a prolonged period of time, before intervening and taking action, this point being accepted by the Magistrate. Since the date of the offence, Biffa has undertaken an audit of procedures at the Cardiff transfer station to ensure that wastes are being correctly described and pre-notified. No further incidents of this nature have occurred.



Company/individual:	Biffa Waste Services.
Position of individual:	N/A
Court:	Hertford Magistrates Court
Date of conviction:	06/11/07
Offence:	The relevant offence for which Biffa Waste Services was convicted on 6 <sup>th</sup> November 2007 under regulation 32 (1)(b) Part 6 of the Pollution Prevention and Control (England and Wales) Regulations 2000, and section 2 of the Pollution Prevention and Control Act 1999, related to failure to comply with condition 2.6.12 of Pollution Prevention and Control permit BK1988 relating to Westmill landfill site, by allowing odours to be emitted at levels from the site likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality outside the permitted installation boundary as perceived by an authorised officer of the Agency. Biffa were found guilty of four counts of the same offence occurring on 4 <sup>th</sup> November 2004, 21 <sup>st</sup> and 31 <sup>st</sup> January 2005 and 3 <sup>rd</sup> February 2005.
Penalty imposed:	Fine of £5,000 on each count (£20,000 in total), and costs of £12,500 were awarded to the Environment Agency.
Outstanding appeals:	N/A
Additional information:	A Post Conviction Plan has been requested by the Agency and is being prepared for submission within the required deadline. Whilst Biffa has been convicted of failing to control odour in accordance with permit condition 2.6.12 at Westmill landfill, Biffa was at the time complying with the odour management plan forming part of the Operating Techniques approved under the Permit. The Westmill Permit was issued using an early permit template. The permit template has been revised subsequently as a result of Environmental Appeals lodged by operators. The latest permit template recognises that odour may arise despite an operator complying with their Operating Techniques. The current version in the national template states "Emissions from the activities shall be free from odour at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the odour". If this condition were contained within the Westmill permit at the time, it is unlikely that a conviction would have been secured. The Agency are currently revising all PPC permits, including Westmill's, in line with the new template, that will incorporate the revised odour condition.



Company/individual:	Biffa Waste Services.
Position of individual:	N/A
Court:	West Bromwich Magistrates Court
Date of conviction:	22/05/09
Offence:	<p>The relevant offences for which Biffa Waste Services was convicted comprised the following, all brought under the Pollution Prevention and Control (England and Wales) Regulations 2000 (the Regs):</p> <ol style="list-style-type: none"><li>1. Conviction under regulation 32 (1)(b) of the Regs, for a breach of condition 1.1.1 of Permit XP3631SE applying to Wednesbury Waste Management Resource Centre, on or before 23<sup>rd</sup> November 2006, by having inadequate management procedures on site for contractors who caused a tank to partially collapse during decommissioning.</li><li>2. Conviction under regulation 32 (1)(d) of the Regs, by failing to comply with an enforcement notice on or before 18<sup>th</sup> May 2007, relating to improvements to storage of wastes at the same facility.</li><li>3. Conviction under regulation 32 (1)(b) of the Regs, for a breach of condition 1.1.1 of the above Permit on or before 26<sup>th</sup> July 2007, by failing to store wastes in accordance with BAT requirements as implemented through Sector Guidance Note S5.01</li></ol>
Penalty imposed:	Fine of £20,000 on each count (£60,000 in total), and costs of £17,500 were awarded to the Environment Agency, along with a victim surcharge of £15.
Outstanding appeals:	N/A
Additional information:	<p>A Post Conviction Plan has submitted to the Agency. In relation to the first offence concerning the collapse of a tank, Biffa immediately self reported the incident, put in place measures to deal with the incident, and complied with items in a subsequent suspension notice. The tank collapse was caused by a contractor working outside of the agreed method statement and without a Permit to Work. At the time, procedures were already under review following changes to the CDM Regulations, and shortcomings found during an investigation into this incident relating to signing in, contractor induction and Permit to Work systems were improved and have been implemented to prevent a future re-occurrence.</p> <p>The second and third offences related to pre-acceptance checks, waste storage and labelling highlighted by the Agency during an audit. No issues had been raised since issue of the PPC permit, until the audit and the site was operating in compliance with procedures that had been approved in writing during the permit determination process. Revised procedures have since been submitted to the Agency for approval.</p>
Company/individual:	Biffa Waste Services.
Position of individual:	N/A
Court:	Derby Magistrates Court
Date of conviction:	14/10/09



**Offence:** The relevant offence for which Biffa Waste Services was convicted under Section 33(6) of the Environmental Protection Act 1990, comprised two counts of failing to handle asbestos wastes at Elvaston landfill site in accordance with the waste management licence, EAWML43256, and operational working plan on 17<sup>th</sup> May 2007 and 21<sup>st</sup> May 2007.

**Penalty imposed:** Fine of £40,000, with costs of £15,400 being awarded to the Environment Agency, and a victim surcharge of £15.

**Outstanding appeals:** N/A

**Additional information:** The Company had agreed to operate the site so that asbestos wastes were deposited in pre-constructed lands to minimise the potential for asbestos escape. This method of operation was not being utilised at the time of the offences as the space available in the operational cell became restricted, and Site management did not seek to agree new working practices with the Environment Agency. After the incidents that gave rise to the above convictions, the Site's staff were retrained in the relevant procedures and there were no further issues related to asbestos disposal. Infilling of the Site was subsequently completed and the Site closed during October 2007. A Post Conviction Plan was completed.



Company/individual:	Biffa Waste Services.
Position of individual:	N/A
Court:	Sunderland Magistrates Court
Date of conviction:	08/07/11
Offence:	The relevant offences for which Biffa Waste Services was convicted under Section 38(1)(b) of the Environmental Permitting Regulations 2007 and Section 2 of and Schedule 1 to, the Pollution Prevention and Control Act 1999, comprised two counts of breaching the odour condition, contained in environmental permit reference BU80451R at its Houghton Le Spring Landfill site on 7 <sup>th</sup> February 2010 and 2 <sup>nd</sup> March 2010.
Penalty imposed:	Fine of £15,000 for the first offence and £12,000 for the second offence, with costs of £8, 250 being awarded to the Environment Agency, and a victim surcharge of £15.
Outstanding appeals:	N/A
Additional information:	Since the events that gave rise to the prosecution, Biffa has increased the area of permanent cap at the Site, on which permanent gas control infrastructure is installed. The Site is also subject to regular maintenance checks which include searching for areas of odour release, and rapid implementation of remedial maintenance where required to minimise emissions. Closer liaison is also being undertaken with the Agency via scheduled meetings with the Area Environment Manager and ad hoc meetings to enable a quicker dialogue in relation to complaints.
Company/individual:	Greenstar Environmental Limited.
Position of individual:	N/A
Court:	Walsall Magistrates Court
Date of conviction:	18/07/11
Offence:	The relevant offence for which Greenstar Environmental Limited was convicted under Regulation 23(2) and 40(4) of the Producer Responsibility Obligations (Packaging Waste) Regulations 2007, comprised the issuing of an ePackaging Waste Export Recovery Note (ePERN) for a non accredited reprocessing site in China, during November 2009.
Penalty imposed:	Fine of £3,500, with costs of £4,864.20 being awarded to the Environment Agency, and a victim surcharge of £15.
Outstanding appeals:	N/A
Additional information:	The offence was the result of an administrative oversight, which meant that the correct accreditation was not in place to claim the recovery notes. Whilst Greenstar has accepted full responsibility for this error, the Greenstar business has since been acquired by Biffa, who already have stringent controls in place to ensure that a similar situation does not reoccur. In addition, the business is no longer an accredited exporter, as a decision was taken to close this operation down, and therefore a similar offence in the future is unlikely.
Company/individual:	Biffa Waste Services Limited.
Position of individual:	N/A
Court:	Chelmsford Magistrates Court





Date of conviction:	17/04/12
Offence:	The relevant offence for which Biffa Waste Services Limited was convicted under Regulations 12(1)(a) and 38(1)(a) of the Environmental Permitting (England and Wales) Regulations 2010 comprised the storage of containers of waste materials at the Company's workshop located at Basildon, to the extent that the activity would have constituted a regulated facility, for which no Environmental Permit was held at the time.
Penalty imposed:	Fine of £8,000, with costs of £2,282.12 being awarded to the Environment Agency, and a victim surcharge of £15.
Outstanding appeals:	N/A
Additional information:	The offence was the result of an accumulation of containers returned to the depot from customers following termination of contracts, or for repair. The containers should be returned empty and Biffa had procedures in place to empty containers, unless they are defective and cannot be lifted by the relevant collection mode vehicle, but there are issues with customers who place further wastes in these containers before they can be removed from site back to the depot by suitable transport. Biffa also had procedures to ensure that any containers returned to depots and workshops which contained further wastes are emptied within 24 hours. Internal investigation identified that site management had not followed these procedures, resulting in an accumulation of containers over a 2 month period, during which time, senior management were not made aware of the issue. Following the issue being highlighted by the Agency, Biffa acted swiftly to remove all wastes from the site. The Site Manager was subject to disciplinary action following investigation. Revised procedures were issued along with advice to all managers concerning the removal of wastes in such circumstances. A post conviction plan has also been submitted to the Environment Agency.
Company/individual:	Biffa Waste Services Limited.
Position of individual:	N/A
Court:	Sunderland Magistrates Court
Date of conviction:	20/02/13
Offence:	The five relevant offences for which Biffa Waste Services Limited was convicted under Regulations 12(1)(a), 38(1)(a) and 39(1) of the Environmental Permitting (England and Wales) Regulations 2010 comprised breaches of Permit conditions 3.1.1, 3.2.1, 3.2.3, 3.3.1 and 4.3.1 as a result of two different types of incident relating to discharges from the site.
Penalty imposed:	Fine of £15,000 for breach of Permit condition 3.1.1, and four fines of £22,500 for the other four Permit conditions, along with costs of £26,949.73 being awarded to the Environment Agency, and a victim surcharge of £15.
Outstanding appeals:	N/A
Additional information:	The first incident was a one off accidental release following overtopping of a temporary leachate holding tank when an employee left his post in contravention of clear instructions





relating to the supervision of filling of the tank. This resulted in a breach of Permit condition 3.1.1. As a result of the incident, the employee has been severely reprimanded, and the tank replaced with a fully bunded and alarmed tank.

The second incident was a fugitive emission of leachate over an unforeseen pathway, relating to the design of a site haul road that crossed over the site perimeter engineering, resulting in a breach of Permit condition 3.3.1. As a direct consequent of this breach, Biffa also incurred convictions for breaches of Permit conditions 3.2.1 for discharge of mecoprop (then a list I substance) and 3.2.3 for discharge of ammoniacal nitrogen above permit trigger levels. A failure to submit the correct notification of the mecoprop breach also resulted in a breach of Permit condition 4.3.1. The Company identified the discharge through routine monitoring and reported this to the Agency and co-operated fully with the Agency to investigate and remedy the cause of the discharge. Remedial works were undertaken to the haul road design, and modelling was undertaken by specialist groundwater consultants to investigate possible effects of the discharge on receptors and to design remedial works. Design and inspection procedures for haul road crossing points were also amended to prevent a similar occurrence in the future. A post conviction plan has also been submitted to the Environment Agency.

Company/individual:	Biffa Waste Services Limited.
Position of individual:	N/A
Court:	Wood Green Crown Court
Date of conviction:	20/06/19
Offence:	Biffa Waste Services Limited was convicted under Regulation 23 of Transfrontier Shipment of Waste Regulations 2007. There were two counts representing two different shipments to China.
Penalty imposed:	Fine of £350,000, Environment Agency awarded costs of £240,000, proceeds of crime order of £9,912 and a victim surcharge of £120.
Outstanding appeals:	Determined – see conviction dated 30/07/2021.
Additional information:	The offence related to two shipments of waste paper to China through brokers Cyclelink and Mark Lyndon. It was found by the Jury that the level of contamination in relation to 7 containers of waste paper was sufficient to render the material “waste collected from households” and as such breached the Regulations. The offence occurred in 2015 and since that time the Edmonton facility has been significantly modified and processes improved. It was accepted that there will always be some contamination within waste paper processed in facilities such as those operated by Biffa in this case, although no specific level of acceptable contamination has been set by the Environment Agency or the Court. A Post Conviction Plan has been prepared and submitted to the Agency in relation to this matter.



Company/individual:	Biffa Waste Services Limited.
Position of individual:	N/A
Court:	Wood Green Crown Court
Date of conviction:	30/07/2021
Offences:	The four relevant offences for which Biffa Waste Services Limited was convicted were of 4 breaches of Regulation 23 of the Transfrontier Shipment of Waste Regulations 2007 between October 2018 and April 2019:
Offence (1)	<p>Between 30<sup>th</sup> September 2018 and 6<sup>th</sup> November 2018, transport of material from Edmonton MRF Unit 2 Aztec 406 12 Ardra Road off Meridian Way Edmonton, London, N9 0BD.</p> <p>Transport of two containers of waste specified in Article 36(1)(b) of the European Waste Shipments Regulation 1013/2006, that was destined for recovery in India, a country to which the OECD Decision does not apply, contrary to Regulation 23 of the Transfrontier Shipment of Waste Regulations 2007</p>
Offence (2)	<p>Between 30<sup>th</sup> September 2018 and 6<sup>th</sup> November 2018, transport of material from Edmonton MRF Unit 2 Aztec 406 12 Ardra Road off Meridian Way Edmonton, London, N9 0BD.</p> <p>In relation to containers other than those referred to in Offence 1, the transport of waste specified in Article 36(1)(b) of the European Waste Shipments Regulation 1013/2006 that was destined for recovery in India, a country to which the OECD Decision does not apply, contrary to Regulation 23 of the Transfrontier Shipment of Waste Regulations 2007.</p>
Offence (3)	<p>Between 20<sup>th</sup> December 2018 and 8<sup>th</sup> February 2019 transport of material from Edmonton MRF Unit 2 Aztec 406 12 Ardra Road off Meridian Way Edmonton, London, N9 0BD</p> <p>Transport of three containers of waste specified in Article 36(1)(b) of the European Waste Shipments Regulation 1013/2006, that was destined for recovery in Indonesia, a country to which the OECD Decision does not apply, contrary to Regulation 23 of the Transfrontier Shipment of Waste Regulations 2007.</p>
Offence (4)	<p>Between 20<sup>th</sup> December 2018 and 8<sup>th</sup> February 2019 transport of material from Edmonton MRF Unit 2 Aztec 406 12 Ardra Road off Meridian Way Edmonton, London, N9 0BD</p> <p>In relation to containers other than those referred to in Summons 1, the transport of waste specified in Article 36(1)(b) of the European Waste Shipments Regulation 1013/2006 that was destined for recovery in Indonesia, a country to which the</p>



OECD Decision does not apply, contrary to Regulation 23 of the Transfrontier Shipment of Waste Regulations 2007.

Penalty imposed: Fine of £1.5million, Environment Agency awarded costs of £153,827.99, proceeds of crime order of £38,388.  
Outstanding appeals: N/A  
Additional information: After the China Case, we significantly modified and upgraded our material recycling facility in question (Edmonton) and improved our processes. Such steps included:

- In 2017, we installed new automatic optical picking lines (at a cost of £6.5m) to specifically improve wastepaper quality.
- We increased our awareness campaigns and training with our customers (primarily local authorities) with the aim of reducing contamination levels of wastepaper arriving at Edmonton before we start to sort and process it.
- We increased the inspection routine on receipt of materials at Edmonton, with direct reporting back to customers of contamination found in their waste loads.
- We retrained our staff at Edmonton in relation to the picking and inspection of bales of wastepaper. All bales are checked prior to dispatch, and because they are tagged, identifying time and date, any issues with contamination are more identifiable and rectifiable.

As a result of such steps and our commitment to quality and compliance, we know that the wastepaper that we send for recycling (which is over 99% pure) is amongst the best in the UK. This is evidenced by data from the industry's MRF Code of Practice which gives Biffa a joint top ranking. It is therefore of great regret to us that, despite meeting the highest of industry standards, we have been convicted in the India and Indonesia Case. However, we fully recognise the implications of the judgment and we have taken steps to move our supply chain such that we no longer export wastepaper outside of the OECD.

We will continue to export wastepaper within the OECD because the UK does not have the infrastructure to recycle all of the wastepaper that householders and businesses send for recycling. This means that export of wastepaper is essential to avoid having to landfill or incinerate this valuable resource. While Biffa no longer exports wastepaper outside of the OECD, the industry overall has no choice but to do so.

A Post Conviction Plan has been prepared and will be submitted to the Agency in relation to this matter.

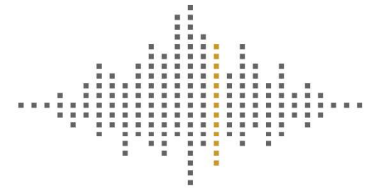


## APPENDIX SS8

# Noise Impact Assessment

# SHARPS REDMORE

ACOUSTIC CONSULTANTS ▪ Established 1990



## Report 2

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### Noise Assessment

Cornets End Lane, Solihull

Proposed Waste Transfer  
Station with HGV Parking  
Area

### Prepared by

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Senior Consultant

Date 25<sup>th</sup> May 2022

Project No 2021724

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This report has been prepared with all reasonable skill, care and diligence commensurate with an acoustic consultancy practice under the terms and brief agreed with our client at that time. Sharps Redmore provides no duty or responsibility whatsoever to any third party who relies upon its content, recommendations or conclusions.

## 1.0 Introduction

- 1.1 Sharps Redmore have been appointed by Biffa Waste Services Ltd (hereafter referred to as Biffa) to undertake a noise assessment in relation to a proposed waste management facility located off Cornetts End Lane, to the south west of the village of Meriden. The site is safeguarded for waste management within the Solihull Local Plan<sup>1</sup>.
- 1.2 Planning permission is sought for a change of use of the site and buildings to a waste transfer station with offices and associated infrastructure, including changes to existing buildings, site layout, operational hours and the provision of concrete hardstanding area and associated infrastructure for HGV parking / manoeuvring (part retrospective).
- 1.3 The recent planning history at the site includes permission for a Biomass Combined Heat and Power (CHP) Plant, Waste Water Treatment Plant (WWTP) and In-Vessel Composting (IVC) Facility which was granted planning permission by Solihull Metropolitan Borough Council (SMBC) in 2016 (Planning application ref: PL/2015/52078/PPFL). A further permission (Application ref: PL/2018/03404/MAJFOT) was issued in March 2019 for the regularisation of the new built structures, amendments to layout and operational procedures and an increase in waste throughput at the site. This development was only part built and then left vacant following the demise of the previous applicant company.
- 1.4 The site location plan is shown in Figure 1.1 below.

**Figure 1.1: Site Location Plan**



- 1.5 The assessment methodology and criteria are presented in Section 2. Baseline noise surveys have been undertaken to establish existing noise levels at the site with the details of the surveys presented in Section 3. A summary of the development description in the

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<sup>1</sup> Solihull Local Plan; Shaping a Sustainable Future, December 2013

specific context of proposed noise sources is outlined in Section 4 with key findings of the assessment presented in Section 4. Conclusions are presented in Section 6. A guide to the acoustic terminology used within this report is included in Appendix A.

- 1.6 The following report provides an update to the Sharps Redmore noise assessment (Report Ref: R1a.28.01.21-Cornetts End Lane Meriden-2021724-SM). Following the submission of the noise report, discussions have been undertaken between Sam Moran, Senior Consultant, Sharps Redmore and Amanda Clover, Senior Development Officer (SDO), Solihull Metropolitan Borough Council (SMBC) with regard to the proposals. Concerns were raised regarding the impact of the scheme particularly during the early morning and late evening periods. A summary of the concerns was presented in a consultation response<sup>2</sup> issued by the SDO as well as some additional minor queries. Baseline noise survey data collected at Keepers Cottage, which is the closest sensitive receptor to the site, as part of a separate planning application<sup>3</sup> was also provided by the SDO for consideration.
- 1.7 A detailed review of the proposed development within the context of the SDO's comments and feasibility of measures to minimise noise has been undertaken with Biffa. This has resulted in the scheme layout being amended, proposed operating hours reduced and various measures which could form part of a Noise Management Plan established. In brief, the principle changes to the proposals include:
- Revised proposed operating hours than originally sought including no working on Sundays.
  - Relocation of parking bays along the eastern boundary rather than towards the southern end of the site;
  - Routing the early morning departure of vehicles Refuse Collection Vehicles (RCVs) (04:00 – 06:00) through the eastern access adjacent to Cornetts End Lane, thus further away from Keepers Cottage.
  - No bulk loader HGVs or RCVs to leave the site after 2100 hrs;
  - Revised manoeuvring area to allow RCV's to transit further away from the south eastern site boundary; and
  - Provision of forward parking bays to allow any RCVs arriving after 19:00 (anticipated to be very low in number) to forward park.
- 1.8 Further details relating to the above and an updated noise assessment are presented within this report.

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<sup>2</sup> Consultation on Planning Application - PL/2022/00198/PPFL, Issue by A Clover, Public Protection to David Wigfield, Case Officer, SMBC

<sup>3</sup> PL/2021/03273/DIS



## 2.0 Assessment Methodology and Criteria

2.1 The National Planning Policy Framework (NPPF), July 2021<sup>4</sup>, sets out the Government’s planning policies for England and “*these policies articulate the Government’s vision of sustainable development.*” In respect of noise, Paragraph 185 of the NPPF states the following:

2.2 “*Planning policies and decisions should also ensure that new development is appropriate for its location taking into account the likely effects (including cumulative effects) of pollution on health, living conditions and the natural environment, as well as the potential sensitivity of the site or the wider area to impacts that could arise from the development. In doing so they should:*

- a) *mitigate and reduce to a minimum potential adverse impacts resulting from noise from new development – and avoid noise giving rise to significant adverse impacts on health and the quality of life;*
- b) *identify and protect tranquil areas which have remained relatively undisturbed by noise and are prized for their recreational and amenity value for this reason; and*
- c) *limit the impact of light pollution from artificial light on local amenity, intrinsically dark landscapes and nature conservation”.*

2.3 Guidance on the interpretation of the policy aims contained within the NPPF is contained within National Planning Policy Guidance (NPPG)<sup>5</sup>. The NPPG introduces the concept of a noise exposure hierarchy based on likely average response. The guidance contained in the NPPG is summarised in Table 2.1:

**Table 2.1: Noise Exposure Hierarchy**

Response	Examples of Outcomes	Increasing Effect Level	Action
No Observed Effect Level			
Not noticeable	No Effect	No Observed Effect	No specific measures required
No Observed Adverse Effect Level			
Present and not intrusive	Noise can be heard, but does not cause any change in behaviour, attitude or other physiological response. Can slightly affect the acoustic character of the area but not such that there is a change in the quality of life.	No Observed Adverse Effect	No specific measures required
Lowest Observed Adverse Effect Level			

<sup>4</sup> National Planning Policy Framework, Ministry of Housing, Communities and Local Government, July 2021

<sup>5</sup> Planning Practice Guidance: Noise, Ministry of Housing, Communities and Local Government, July 2019

Response	Examples of Outcomes	Increasing Effect Level	Action
Present and intrusive	Noise can be heard and causes small changes in behaviour, attitude or other physiological response, e.g. turning up volume of television; speaking more loudly; where there is no alternative ventilation, having to close windows for some of the time because of the noise. Potential for some reported sleep disturbance. Affects the acoustic character of the area such that there is a small actual or perceived change in the quality of life.	Observed Adverse Effect	Mitigate and reduce to a minimum
Significant Observed Adverse Effect Level			
Present and disruptive	The noise causes a material change in behaviour, attitude or other physiological response, e.g. avoiding certain activities during periods of intrusion; where there is no alternative ventilation, having to keep windows closed most of the time because of the noise. Potential for sleep disturbance resulting in difficulty in getting to sleep, premature awakening and difficulty in getting back to sleep. Quality of life diminished due to change in acoustic character of the area.	Significant Observed Adverse Effect	Avoid
Present and very disruptive	Extensive and regular changes in behaviour, attitude or other physiological response and/or an inability to mitigate effect of noise leading to psychological stress, e.g. regular sleep deprivation/awakening; loss of appetite, significant, medically definable harm, e.g. auditory and non-auditory	Unacceptable Adverse Effect	Prevent

2.4 The NPPF and NPPG reinforce the March 2010 DEFRA publication, “Noise Policy Statement for England”<sup>6</sup> (NPSE), which states three policy aims, as follows:

2.5 *“Through the effective management and control of environmental, neighbour and neighbourhood noise within the context of Government policy on sustainable development:*

- avoid significant adverse impacts on health and quality of life;
- mitigate and minimise adverse impacts on health and quality of life; and
- where possible, contribute to the improvement of health and quality of life.”

2.6 Taking an overview of national policy aims and guidance it is clear that when considering the impact of noise that the fact can be heard and causes impact, is not reason to refuse an application as consideration should also be given to the significance of the impact and the mitigation measures available.

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<sup>6</sup> Noise Policy Statement for England, Department for Environment, Food and Rural Affairs, March 2010

- 2.7 The NSPE also states “...the application of the NPSE should enable noise to be considered alongside other relevant issues and not to be considered in isolation. In the past, the wider benefits of a particular policy, development or other activity may not have been given adequate weight when assessing the noise implications”.
- 2.8 It is possible to apply objective standards to the assessment of noise and the effect produced by the introduction of a certain noise source may be determined by several methods, such as:
- i) The effect may be determined by reference to guideline noise values, such as those contained in the World Health Organisation (WHO) “Guidelines for Community Noise”<sup>7</sup>.
  - ii) Another method is described within BS 4142:2014+A1:2019<sup>8</sup> to determine the significance of sound impact from sources of industrial and/or commercial nature. The sources that the standard is intended to assess are sound from industrial and manufacturing processes, sound from fixed plant installations, sound from loading and unloading of goods at industrial and/or commercial premises and the sound from mobile plant and vehicles, such as forklift, train or ship movements.
  - iii) Alternatively, the impact may be determined by considering the change in noise level that would result from the proposal, in an appropriate noise index for the characteristic of the noise in question. There are various criteria linking change in noise level to effect. This is the method that is suited to, for example, the assessment of noise from road traffic because it is capable of displaying impact to all properties adjacent to a road link irrespective of their distance from the road.

#### **Guidelines for Community Noise**

- 2.9 The WHO “Community Noise Guidelines” (CNG) values are appropriate to what are termed “critical health effects”. This means that the limits are at the lowest noise level that would result in any psychological or physiological effect. They are, as defined by NPSE, set at the Lowest Observed Adverse Effect Level (LOAEL), but do not define the level above which effects are significant (the SOAEL). Compliance with the LOAEL should, therefore, be seen as a robust aim, depending on context.
- 2.10 In 2018 the WHO published the “Environmental Noise Guidelines for the European Region” (ENGER). The latest WHO Environmental Noise Guidelines (page 28) explain that “The current environmental noise guidelines for the European Region supersede the CNG from 1999. Nevertheless, the GDG (Guideline Development Group) recommends that all CNG indoor guideline values and any values not covered by the current guidelines (such as industrial noise and shopping areas) should remain valid”. Hence the CNG remain relevant to this assessment.
- 2.11 The WHO ENGER brings together the latest research on the effects of specific types of noise on health in relation to transportation noise sources (road, rail and aircraft noise exposure), wind turbines and leisure noise. Hence in direct relation to the specific proposal that this noise assessment considers, the new WHO ENGER are not of material consideration.

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<sup>7</sup> World Health Organisation (1999), “Guidelines for Community Noise”

<sup>8</sup> BS 4142:2014+A1:2019, Methods for rating and assessing industrial and commercial sound

2.12 The relevant World Health Organisation (CNG) noise values are summarised in the following table:

**Table 2.2: WHO CNG values**

Document	Level	Guidance
World Health Organisation "Guidelines for Community Noise 1999"	$L_{AeqT} = 55$ dB	Serious annoyance, daytime and evening. (Continuous noise, outdoor living areas)
	$L_{AeqT} = 50$ dB	Moderate annoyance, daytime and evening. (Continuous noise, outdoor living areas).
	$L_{AeqT} = 35$ dB	Moderate annoyance, daytime and evening. (Continuous noise, dwellings, indoors)
	$L_{AeqT} = 45$ dB	Sleep disturbance, windows open at night. (external level).
	$L_{AeqT} = 30$ dB	Sleep disturbance, night-time (indoors)
	$L_{Amax} = 60$ dB	Sleep disturbance, windows open at night. (Noise peaks outside bedrooms, external level).
	$L_{Amax} = 45$ dB	Sleep disturbance at night (Noise peaks inside bedrooms, internal level)

#### **Assessment using BS 4142:2014+A1:2019**

2.13 In brief, the BS 4142 assessment method is to obtain an initial potential impact finding by comparing the difference in level between the site-attributable sound (called the rating level) and the background sound. The latter is the underlying value in the absence of the site sound. The initial impact finding is then to be considered in context and that can modify the outcome. In terms of the 'difference' comparison, a difference of around +10dB or more is considered likely to be an indication of a significant adverse impact, depending on the context. A difference of around +5dB is likely to be an indication of an adverse impact, depending on the context. When the difference is around zero or negative in magnitude, the indication is of a low impact, again depending on the context.

2.14 Context is key and pertinent factors to consider include the absolute level of the source; the character of the neighbourhood sounds (with and without the site contribution); the sensitivity of the receptor and the presence or otherwise of sound mitigation measures. (Clause 11 of BS4142). This includes whether dwellings or other premises used for residential purposes will already incorporate design measures that secure good internal and/or outdoor acoustic conditions such as facade insulation treatment.

2.15 It is therefore entirely possible that whilst the numerical outcome of a BS 4142 assessment is indicative of adverse or significant adverse impact, when the proposal is considered in *context* the significance of the impact is reduced to an acceptable level.

#### **Changes in noise level**

2.16 Changes in noise levels of less than 3 dBA are not perceptible under normal conditions and changes of 10 dBA are equivalent to a doubling of loudness. This guidance has been accepted by inspectors, at inquiry, to encompass changes in noise levels in the index  $L_{AeqT}$ .

2.17 Table 2.3 below shows the response to changes in noise (known as a semantic scale); this table has been developed from general consensus opinion of acousticians.

**Table 2.3: Change in noise level**

Change in noise level $L_{AeqT}$ dB	Response	Impact
<3	Imperceptible	None
3 – 5	Perceptible	Slight/moderate
6 – 10	Up to a doubling	Moderate/significant
11 – 15	More than a doubling	Substantial
>15	-	Severe

### 3.0 Baseline Conditions and Noise Survey

#### Description of the Site and Noise Sensitive Receptors

- 3.1 The site is located within the central section of the Meriden Quarry complex off Cornetts End Lane near Meriden and is surrounded by several other mineral, waste and industrial uses to the north, east and south. In the immediate vicinity of the site, a Tarmac Concrete Plant and NRS Aggregates Quarry are present to the north and east of the site.
- 3.2 The closest sensitive residential receptor is Keepers Cottage to the south east of the site. A plan showing the site location, surroundings and Keepers Cottage is presented in Figure 3.1.

**Figure 3.1: Noise Monitoring Location Plan**



#### Baseline Noise Survey

- 3.3 An environmental noise survey has been undertaken by Sharps Redmore between 2<sup>nd</sup> and 6<sup>th</sup> December 2021.
- 3.4 Measurements were collected at an unattended measurement position on the site over the duration of the noise survey (LT1) with details presented overleaf. The location of LT1 is comparable to the monitoring location used as part of the baseline noise survey in 2018 associated with noise assessment<sup>9</sup> undertaken to accompany the previous planning application for the CHP and composting facility.
- 3.5 The survey was attended during the set up and collection of the equipment at LT1. In addition, observations were made in the area around the site from around 21:00 to 21:45

<sup>9</sup> Sol Acoustics, Sycamore Planning Ltd, Meriden, P1787-REP02-REV C-BDH, 22 November 2018

on 2<sup>nd</sup> December and 05:00 to 06:15 on 3<sup>rd</sup> December. Sample noise measurements were taken at ST1 during these periods.

3.6 Details of the monitoring locations are as follows:

- LT1: Southern boundary of the site (comparable position to the 2018 noise monitoring location)
- ST1: A short distance to the west of the site along the Cornetts Lane End access road to the Meriden Quarries complex.

3.7 Figure 3.2 shows the noise monitoring locations with all measurements carried out in free-field conditions at a height of approximately 1.5m above local ground level. Details of the type 1/class 1 sound level meters used for the survey are as follows:

- Norsonic 118 Sound Level Meter – Serial number: 31657
- Norsonic 1251 Sound Calibrator - Serial number: 31229
- Cirrus Optimus CR:171B Sound Level Meter – Serial number: GO79788
- Cirrus CR:515 Sound Calibrator - Serial number: 60698

3.8 The sound level meters were calibrated before and after the survey with no drift recorded.

**Figure 3.2: Noise Monitoring Location Plan**



3.9 During the attended site visits, weather conditions were observed as being suitable for the measurements of noise levels (wind speeds were low and below 5m/s, generally dry with slight drizzle for a short period on the morning of 3<sup>rd</sup>).



- 3.10 During periods when the survey was unattended, a review of weather data for Birmingham Airport which is located approximately 3 miles to the north west of the site<sup>10</sup> has been undertaken. From 10:30 on 4<sup>th</sup> December until 18:30 on 5<sup>th</sup> December, there were periods when wind speeds were identified to be in excess of 5m/s. During this period, particularly during the late evening and night-time, measured noise levels were higher than what would be considered typical when compared to similar periods during survey. Therefore, this data has been excluded from the assessment.
- 3.11 The site is located within an area largely populated by minerals, waste and industrial operations with noise from activities including HGV movements associated with these premises observed to occur during both daytime and night-time periods. The noise climate in the area around the site during the day was observed to be principally governed by fixed process and mobile plant to the north of the site and HGV movements. Intermittent traffic along Cornetts End Lane was also present.
- 3.12 During the evening, infrequent traffic and HGV's were present along the access road to the Quarry complex as well as intermittent traffic along Cornetts End Lane. In the absence of noise from these sources, noise from the distant drone of the road network to the west was dominant. During the night period, noise from the wider road network remained dominant along with a large number of HGV movements along Cornetts End Lane departing from or travelling to works within the Quarry complex.
- 3.13 The results of the survey are summarised in Table 3.1 with a time history graph presented in Appendix Ba. The raw data collected at LT1 is available on request. At the LT location, the  $L_{Aeq,T}$  is the logarithmic average whilst the  $L_{A90,T}$  is the modal noise level of the continuous 15 minute measurements over the stated survey period. The logging duration of the sound level meter was set to 15 minutes for the attended measurements at ST1.

**Table 3.1: Summary of Measured Noise Levels (2021)**

Measurement Position	Date / Time	$L_{Aeq,T}$ (dB)	$L_{Amax,T}$ (dB)	$L_{A90,T}$ (dB)
LT1 (Daytime)	02/12 to 06/12 16:00 – 10:15	56	86	48
LT1 (Night-time)	02/12 to 06/12 23:00 – 07:00	47	73	39
ST1	02/12 21:07	47	66	41
ST1	02/12 21:23	56	80	40
ST1	03/12 05:26	65	84	40
ST1	03/12 05:41	60	80	41
ST1	03/12 05:56	65	83	44

- 3.14 A statistical analysis of the LT1 data is presented in Appendix Ba. Further consideration has also been given to specific time periods as well as the results of the noise survey undertaken in 2018.
- 3.15 A summary of typical background noise levels obtained during Sharps Redmore (SR) survey are summarised in Table 3.2.

<sup>10</sup> <https://www.timeanddate.com/weather/uk/birmingham/historic>



**Table 3.2: Summary of Typical Background Noise Levels (SR 2021)**

Period	Typical background noise levels (L <sub>A90,15mins</sub> )
Daytime (07:00 - 19:00)	48
Evening (19:00 - 23:00)	41
Night-time (23:00 – 07:00)	36
Night-time (04:00 – 06:00)	41

- 3.16 The typical background noise levels measured by Sharps Redmore are similar to those measured at the site in 2018. Typical background noise levels during the evening period and morning period, when RCV's are scheduled to depart (04:00 – 06:00), are presented in Table 3.2 for context.
- 3.17 As part of the previous assessment, due to weather conditions, it was stated that there was the potential that measured noise levels during periods over the weekend were higher than what may typically occur. The background noise level referred and used as part of the noise assessment for the CHP and IVC facility was 38 dB L<sub>A90,T</sub> during the weekday daytime period. This noise level was used as a basis of the previous assessment.

#### **Noise data provided by SMBC**

- 3.18 As part of post planning submission consultation, The SDO provided Sharps Redmore with noise data collected over a two week period in 2021 in garden of Keepers Cottage as part of a separate planning application<sup>11</sup>. Whilst not questioning that the data collected could be representative of noise levels at Keepers Cottage at that time, there are some aspects that should be borne in mind.
- 3.19 For a large part of the survey, Covid-19 restrictions remained in place<sup>12</sup>. Also, the Easter Bank Holiday fell during the survey period as well the majority of the survey occurring over school Easter holidays. Therefore, there is the potential that the data collected may be lower than what would typically be present. Whilst this is unlikely to have affected noise associated with the surrounding existing waste, industrial and mineral operations, there is the potential that general traffic patterns in the wider area may have been untypical. As stated previously, it was observed during attendance during an evening period that distant road traffic noise was the underlying influence to the noise climate at the time of the site visit during an evening. This could be of relevance particularly with regard to the late evening and night-time periods when the measured noise levels could be lower than what would typically occur. Nevertheless, as requested by the SDO, the updated assessment has taken into account this measured data, however, the interpretation of this baseline data should be considered within this context.
- 3.20 An analysis of this data has been undertaken and reference background noise levels established. Based on data collected during the proposed operating hours, graphs presenting a statistical analysis of the data provided by the SDO are presented in Appendix Bb. Data collected over Easter Bank Holiday weekend has been excluded from this analysis. To allow for the potential for building services plant to operate during the night-time period

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<sup>11</sup> PL/2021/03273/DIS

<sup>12</sup> <https://www.instituteforgovernment.org.uk/charts/uk-government-coronavirus-lockdowns>

if required (e.g. odour extraction system), the full data collected during the night-time has been considered.

- 3.21 A summary of the reference typical background noise levels is presented in Table 3.3 below:

**Table 3.3: Summary of Typical Background Noise Levels (SR 2021)**

Period	Typical background noise levels (LA90,15mins) as stated in previously submitted SR report	Typical background noise levels (LA90,15mins) SMBC Data 2021
Daytime (07:00 - 19:00)	48	44*
Evening (19:00 - 23:00)	41	37
Evening (21:00 - 23:00)	-	36
Night-time (23:00 – 07:00)	36	33
Night-time (04:00 – 06:00)	41	-
Night-time (04:00 – 05:00)	-	38
Night-time (05:00 – 06:00)	-	40

\*measurements of around 48 dB LA90,15mins were also prominent during the daytime period during the first week of the survey data set provided by the SDO, the SR survey and the survey in 2018. This is considered representative of when Tarmac are operating normally. A conservative approach has therefore been taken with reference to 44 dB LA90,15mins

- 3.22 In order to inform the BS 4142 assessment (Section 5), reference to the measured noise level data provided by the SDO has been undertaken.

## 4.0 Development Description

- 4.1 A comprehensive description of the site, the setting and the proposed development has been provided in the Planning Statement which was submitted separately as part of the planning application by Heatons.
- 4.2 In the specific context of noise emissions, the development can be described as an enclosed facility for the reception of Dry Mixed Recyclable, compactable General, Construction & Demolition (C&D) and Bulky Non-Recyclable wastes and bulking into larger loads prior to onward dispatch. An area of concrete hardstanding is also proposed to be provided to the east of the waste transfer station building for use as an HGV manoeuvring and parking area for RCVs.
- 4.3 Following discussions with the SDO, extensive review of operations has been undertaken by Biffa to seek to establish practical measures that could be incorporated within the scheme layout to minimise noise, particularly during the early morning and late evening. This has resulted in amendments to the proposed layout within the site as well as the proposed routing of refuse collection vehicles (RCV). A further measure that has been incorporated is that no bulk loaders or RCV's would leave the site after 21:00.
- 4.4 A site plan is presented in Appendix C which shows the RCV parking area along the eastern boundary at a position further away from Keepers Cottage as well as the proposed routing of RCV's and the bulk loader. Operationally, there is the requirement to maintain a one way system for incoming and outgoing vehicles. However, it is operationally feasible to route the early morning RCV departures through the eastern access thus further away from Keepers Cottage. The manoeuvring area has been revised to allow HGVs to transit further away from the site boundary.
- 4.5 The site plan also details designated bays for early morning departures with RCV's leaving prior to 05:00 being closest to the exit. RCV's will be reverse parked so that they can drive off in forward gear in the morning with no manoeuvring required. Separate bays are also designated for RCV's returning after 19:00 where they would forward park with these RCV's not requiring to depart as part of the early morning departures.
- 4.6 The 4m acoustic barrier which provides an acoustic screen to Keepers Cottage has been retained in the south eastern part of the site although its position has been moved slightly further into the site. The extent is now slightly longer than the previous barrier and its closer to the noise sources than its previous location.
- 4.7 The scale of the proposed facility would be smaller than the schemes previously permitted in terms of throughput. As all waste delivered to the site is source segregated at customers' locations, waste is simply offloaded and stored in stockpiles of similar materials within the building. The waste would not be mechanically processed at the site, as it would operate as a key part of the waste management infrastructure enabling recyclables and waste to be bulked up into larger loads before being taken to and processed at regional, strategic treatment facilities.

4.8 The revised proposed hours of operation are as follows:

Depot and offices

0400-2300	Monday-Friday (no HGVs or RCVs to depart after 2100)
0500-1400	Saturday
CLOSED	Sunday
0600-1700	Bank Holidays (No working Christmas Day, Boxing Day and New Years Day)

Operations associated with waste transfer building

0700-2300	Monday-Friday (no HGVs or RCVs to depart after 2100)
0700-1400	Saturday
CLOSED	Sunday
0700-1700	Bank Holidays (No working Christmas Day, Boxing Day and New Years Day)

4.9 With regard to RCV and bulk loader movements, an indicative schedule is presented in Appendix C. A total of 72 RCV and 10 Bulk Loader movements are anticipated daily. On a typical working day, 100% of the fleet would be scheduled to return by 15:00 with only around 25% of the fleet being sent back out on the PM shift. Operations during the late afternoon and evening are considerably reduced with, after 19:00 on a weekday, a small number of bulk loaders leaving the site and RCV's returning.

4.10 It should be noted that Biffa are working towards replacing their current fleet of RCVs with electric powered RCVs which would result in lower noise levels from these movements. It is anticipated that the collection fleet to be based at the site will have been replaced within the next 3 years. It is not possible to provide a timeline when this would occur within this period.

## 5.0 Key Findings

### Site-Attributable Sound Levels

#### Building Services Plant

- 5.1 Whilst the extent of the plant will be on a much reduced scale when compared to the previous scheme, the exact specification of the plant will depend on the finalised M&E design for the waste transfer station and offices. Therefore, at this stage design limits have been set for building services plant which are stated in Table 5.1.
- 5.2 Typical background noise levels have been identified in Tables 3.2 and 3.3. Based on this, with reference to the guidance provided within BS 4142, the reference background noise level at Keepers Cottage (R1) has been determined as being 36 dB  $L_{A90,1\text{hour}}$  during the daytime (based on late evening) and 33 dB  $L_{A90,15\text{mins}}$  during the night-time.

**Table 5.1: Noise Criteria (at Keepers Cottage) for External Building Services Plant**

Receptor Location	Reference Existing Background Noise Level (dB $L_{A90,T}$ )		Noise Limit Criteria: Rating Level (dB $L_{A,Tr}$ )*	
	Daytime (07:00 – 23:00)	Night-time (23:00 – 07:00)	Daytime (07:00 – 23:00)	Night-time (23:00 – 07:00)
R1	36	33	36	33

\*Freefield at a position representative of the façade

- 5.3 By meeting the stated noise rating levels at the receptors, noise from external plant would be below the LOAEL.
- 5.4 During the plant design, if it becomes apparent that the design limits are onerous, potential further consideration could be given to the validity of the limits within the context of the guidance provided by BS 4142 (e.g. if the plant were to only operate during periods when baseline levels are higher such as the normal working day).

#### Activities associated with the waste transfer station and HGV movements

- 5.5 Noise modelling has been undertaken to present a reasonable worst-case scenario based on source noise level data associated with noise breakout from the waste transfer station building and HGV movements (RCV and bulk loader) into and out of the site as well as manoeuvring.

#### Noise modelling

- 5.6 Acoustic computer modelling has been undertaken using SoundPLAN 8.2 to calculate the sound propagation from the site based on measured specific source sound levels which are representative of proposed operations. The model uses the calculation methodology described by ISO 9613-2<sup>13</sup> with the model input parameters presented in Appendix D.
- 5.7 A summary of the modelled source noise levels is presented in Table 5.2. The assessment takes into account the following activities to present a reasonable worst-case:

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<sup>13</sup> ISO 9613-2:1996, Acoustics — Attenuation of sound during propagation outdoors — Part 2: General method of calculation

- Importation of waste by RCV and RCV movements within the site
  - Dispatch of waste by bulk loader
  - The bulking of waste within the building will be undertaken using a 360 waste handler (wheeled grab) and a 950 loading shovel or similar (Noise breakout).
- 5.8 Noise modelling has been undertaken based on the following scenarios:
- Daytime Scenario 1: Noise breakout, RCV / bulk loader movements based on the indicative worst case movements over a one hour period (13:00 – 14:00 as shown in Appendix D).
  - Daytime Scenario 2: Noise breakout, RCV / bulk loader movements based on an indicative scenario over a one hour period during the day which would be reflective of operations over the majority of the day and a weekday evening up to 21:00 (as shown in Appendix D).
  - Daytime Scenario 3: Noise breakout, RCV movements based on an indicative scenario over a one hour period during the weekday late evening up to 23:00.
  - Night-time: 10No. RCV's departing site during a 15 minute period.
- 5.9 A summary of the source noise levels included in the noise model are presented in Table 5.2 with further details of the source noise levels and calculations are presented in Appendix E.
- 5.10 With respect to noise within the transfer station, typically in Sharps Redmore's experience of similar operations, the internal reverberant noise level is around 80 dB(A) or lower. A 100% on-time has been considered with regard to the daytime operation of the 360 waste handler and loading shovel with an internal reverberant noise level of 85 dB(A) calculated. During the late afternoon and evening, the site would operate at a 25% capacity. Therefore, a -3dB correction has been applied to represent a 50% on-time during scenarios 2 and 3. These higher noise level has been used to represent a reasonable worst-case and minimise assessment uncertainty.
- 5.11 The sound insulation performance of the building construction materials based on details indicated by Biffa is presented in Appendix E.
- 5.12 Source noise levels for RCV's manoeuvring including reverse warning signals are based on measurements of RCV's / HGV's from within the SR database. The movement of RCV's and bulk loaders in and out of the building is based on a line source using data for RCV pass-by's available within BS 5228<sup>14</sup>. Given the high BS5228 source noise level used, this is considered to represent a reasonable worst-case and minimise assessment uncertainty.

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<sup>14</sup> BSI. BS8228-1:2009 + A1:2014 Code of practice for noise and vibration control on construction and open sites – Part 1: Noise.

**Table 5.2: Noise Model Source Noise Levels**

Parameter	Type	Details
Scenario 1 Daytime $L_{Aeq,1hour}$	Breakout NE roller shutter doors open 25 mins S roller shutter door open 3 mins	Internal Reverberant Noise Level: 85 dB(A)
	12 RCV arriving and 12 departing from building through NE roller shutter doors 11 RCV's move to parking area 1 RCV departs site (Moving point source)	106 dB $L_{WA}$ / speed 10 mph
	RCV manoeuvring into parking area (11No.)	82 dB $L_{WA}$ (per RCV)
	1No. Bulk loader departing through SE roller shutter door (Moving point source)	106 dB $L_{WA}$ / speed 10 mph
Scenario 2 Daytime $L_{Aeq,1hour}$	Breakout NE roller shutter doors open 4 mins S roller shutter door open 3 mins	Internal Reverberant Noise Level: 82 dB(A)
	2 RCV's arriving and 2 departing from building through NE roller shutter doors 2 RCV's move to parking area (Moving point source)	106 dB $L_{WA}$ / speed 10 mph
	RCV manoeuvring into parking area (2No.)	82 dB $L_{WA}$ (per RCV)
	1No. Bulk loader departing through SE roller shutter door (Moving point source)	106 dB $L_{WA}$ / speed 10 mph
Scenario 3 Daytime $L_{Aeq,1hour}$  (Evening 21:00 – 23:00)	Breakout NE roller shutter doors open 4 mins	Internal Reverberant Noise Level: 82 dB(A)
	2 RCV's arriving and 2 departing from building through NE roller shutter doors 2 RCV's move to parking area (Moving point source)	106 dB $L_{WA}$ / speed 10 mph
	RCV manoeuvring into parking area (2No.)	82 dB $L_{WA}$ (per RCV)
Night-time $L_{Aeq,15mins}$	Operations not occurring within building	N/A
	HGV start up and depart	83 dB $L_{WA}$ (per RCV)
	10No. RCV' departing from parking area (Moving point source)	106 dB $L_{WA}$ (+6 dB to account for 15 min period time correction) / speed 10 mph
Night-time $L_{Amax}$	RCV start-up / departing site	106 dB $L_{WA}$

- 5.13 The acoustic barrier has been included within the noise modelling and assessment. The location of the barrier is shown in Figure 5.1 overleaf.
- 5.14 Any barriers should be of solid construction with no gaps, double or staggered boarded and a minimum surface mass of 10kg/m<sup>2</sup>. Any gates should be constructed so that the integrity of the barrier is maintained.

**Figure 5.1: Acoustic Barrier Location**



BS 4142 Assessment

- 5.15 Table 5.3 overleaf presents a comparison of the background noise level with the predicted noise rating level. The noise contour plots for each Scenario are presented in Appendix F.
- 5.16 Various contextual considerations are presented further on within this chapter including that the assessment is likely to present an over-estimate of what in reality would be expected to occur on site particularly during the night-time period. Noise from the site is also predicted to be below ambient noise levels. These aspects are relevant with regard to establishing whether a character correction would be required to determine the rating level.
- 5.17 In additional, based on observations made during the noise survey by Sharps Redmore as outlined in Section 3, similar types of noise sources (i.e. HGV's, mobile plant) are already occurring within the area around the site as well as intermittent road traffic noise from vehicles travelling along Cornets End Lane within close proximity to Keepers Cottage. As such a character correction has not been applied during the night-time and daytime periods.
- 5.18 With regard to the evening period predicted specific levels remain below ambient noise levels and noise generating activities externally would be considered to be infrequent and not particularly prominent. No tonal or impulsive characteristics are considered to be associated with the activities. However, there is the potential for occasional distinctiveness of the proposed operations against the residual sound environment at the receptor. Therefore, for the evening period, Table 5.3 presents the rating level when considering no character correction as well as a +3dB character correction.



**Table 5.3: Comparison between background noise levels and noise rating levels**

Scenario	Reference Existing Background Noise Level (dB L <sub>A90,T</sub> )	Predicted Specific Level (dB L <sub>Aeq</sub> )	Predicted Rating Level (dB L <sub>A,Tr</sub> )	Difference (dB)	Initial Impact finding, depending on context
Daytime: Scenario 1	44	42	42	-2	Low
Daytime: Scenario 2	37	36	36 to 39	-1 to +2	Low
Daytime: Scenario 3	36	35	35 to 38	-1 to +2	Low
Night-time (04:00 – 05:00)	38	37	37	-1	Low
Night-time (05:00 – 06:00)	40	40	40	0	Low

5.19 As required by BS4142, the assessment of sound should be placed into context.

5.20 A key contextual noise consideration (particularly for noise during the night-time period) is the comparison of the predicted noise levels with the WHO CNG values. Table 5.4 shows this comparison at Keepers Cottage.

**Table 5.4: Comparison of predicted delivery event noise levels with the WHO CNG values**

Noise level	Parameter		Night L <sub>Amax</sub>
	Day L <sub>Aeq,T</sub> (Scenario 1 / 2 / 3)	Night L <sub>Aeq,T</sub> (04:00-05:00 / 05:00 – 06:00)	
Predicted noise level <sup>[1]</sup>	42 / 36 / 35	37 / 40	48
WHO guideline daytime/night time noise value <sup>[2]</sup>	55	45	60
Comply with WHO day/night time guidelines	YES	YES	YES

Notes

[1] Where L<sub>Aeq,T</sub> = 1 hour for day and 15 mins for night

[2] Where L<sub>Aeq,T</sub> = 16 hour daytime and 8 hour night time

5.21 The comparison in Table 5.4 indicates that delivery event noise levels are below the WHO CNG daytime and night time values; and hence would be indicative of low impact. It should also be noted that a much more stringent 1 hour period during the day and 15 minute period during the night has been presented Table 5.4 when compared to the WHO CNG time periods of 16 hours during the day and 8 hours during the night.

5.22 Further points of context which are pertinent and where assessment uncertainty has been minimised are as follows:

- The assessment is based on noise data provided by SMBC which was collected over a two week period. As explained previously there is the potential that during some

periods particularly the late evening and night that reference background noise levels could be lower than what would typically occur.

- The predicted rating levels are below the existing ambient noise climate. Also predicted peak noise levels ( $L_{Amax}$ ) are much lower than typical peak events attributable to vehicle pass-bys on Cornets End Lane as well as being below the WHO CNG value.
- Source noise levels are likely to be lower than those assessed based on a comparison with noise data collected by Sharps Redmore associated with other similar sites.
- 10 RCVs per hour are scheduled to depart from the site between 04:00 and 06:00. For the purpose of the assessment, it has been assumed that 10 RCVs depart over a 15 minute assessment period rather an average of three RCVs thus presenting a worst-case.
- As noted previously Biffa are working towards replacing their current fleet of RCVs with electric powered RCVs which would result in lower noise levels from these movements. It is anticipated that the collection fleet to be based at the site will have been replaced within the next 3 years. It is not possible to provide a timeline when this would occur within this period.
- The uncertainty of the measurement is not considered significant to the outcome of the assessment.

5.23 In view of the assessment presented above including taking into account context, Sharps Redmore consider the impact to be low.

5.24 This assessment has objectively demonstrated in the context of nationally recognised standards and planning guidance that operations at the site during either the daytime or night time period would not give rise to significant adverse impact and hence would comply with the requirements of the NPPF.

5.25 With regard to mitigation, recommendations for operational noise reduction measures are outlined below. The adoption of these measures could be secured through a suitably worded planning condition which outlines the requirement to provide a noise management plan.

#### Operational Noise Reduction Measures

5.26 It is recommended that the following noise minimisation measures shall be implemented to reduce noise levels from operations occurring within the site:

- Adhere to the RCV / HGV tracking routes as shown on the site layout plan
- All RCV's which are to depart site prior to 06:00 should be reverse parked in designated bays as shown on the site layout plan as a minimum the day prior to departure to enable departure in forward gear in the morning with no manoeuvring required
- RCV's arriving back to the depot after 19:00 will forward park in the bays as shown on the site layout plan
- No bulk loaders to depart site after 21:00
- No unnecessary idling of vehicles

- Select broadband / white noise reverse warning alarms for all Biffa RCV's / HGV's

## 6.0 Conclusions

- 6.1 Sharps Redmore have been appointed by Biffa to undertake a noise assessment in relation to a proposed waste management facility located off Cornetts End Lane, to the south west of the village of Meriden.
- 6.2 A baseline noise survey has been undertaken and background noise levels representative of the closest residential receptor (Keepers Cottage) to the south east of the site have been established. A series of scenarios have been assessed and noise modelling has been undertaken using reasonable worst-case assumptions. The assessment has considered HGV (RCV and bulk loader) movements as well as noise breakout from the waste transfer station (WTS) building during the daytime period. The WTS will not be operational during the night-time and, therefore, the departure of RCVs has been assessed during this period. The assessment includes the presence of a 4m high acoustic fence in the south eastern part of the site. Noise limits for building services plant have been set for both daytime and night-time periods.
- 6.3 The specific source noise levels have been modelled and rating levels predicted at the closest residential receptor.
- 6.4 This assessment has objectively demonstrated in the context of BS 4142 that sound levels from proposed operations would not be expected to give rise to a significant adverse impact at nearby residential receptors and that a low impact is predicted.
- 6.5 This assessment has objectively demonstrated in the context nationally recognised standards and planning guidance that the effects of identified sources of noise being emitted from the surrounding environment or being generated as a result of the proposed development would not give rise to a significant adverse impact. Furthermore, operational noise reduction measures have been recommended to minimise noise impacts.

## **APPENDIX A**

### **ACOUSTIC TERMINOLOGY**

## Acoustic Terminology

- A1 Noise, which is sometimes defined as unwanted sound, is measured in units of decibels, dB. Commonly noise is used as an alternative to sound and for the purpose of this assessment there is no difference between the meaning of noise or sound. The range of audible sounds is from 0 dB to 140 dB. Two equal sources of sound, if added together will result in an increase in level of 3 dB, i.e.  $50 \text{ dB} + 50 \text{ dB} = 53 \text{ dB}$ . Increases in continuous sound are perceived in the following manner:
- 1 dB increase - barely perceptible
  - 3 dB increase - just noticeable
  - 10 dB increase - perceived as twice as loud
- A2 Frequency (or pitch) of sound is measured in units of Hertz. 1 Hertz (Hz) = 1 cycle/second. The range of frequencies audible to the human ear is around 20Hz to 18000Hz (or 18kHz). The capability of a person to hear higher frequencies will reduce with age. The ear is more sensitive to medium frequency than high or low frequencies.
- A3 To take account of the varying sensitivity of people to different frequencies a weighting scale has been universally adopted called "A-weighting". The measuring equipment has the ability automatically to weight (or filter) a sound to this A scale so that the sound level it measures best correlates to the subjective response of a person. The unit of measurement thus becomes dBA (decibel, A-weighted).
- A4 The second important characteristic of sound is amplitude or level. Two units are used to express level, a) sound power level -  $L_w$  and b) sound pressure level -  $L_p$ . Sound power level is an inherent property of a source whilst sound pressure level is dependent on surroundings/distance/directivity, etc. The sound level that is measured on a meter is the sound pressure level,  $L_p$ .
- A5 External sound levels are rarely steady but rise or fall in response to the activity in the area - cars, voices, planes, birdsong, etc. A person's subjective response to different noises has been found to vary dependent on the type and temporal distribution of a particular type of noise. A set of statistical indices have been developed for the subjective response to these different noise sources.
- A6 The main noise indices in use in the UK are:
- $L_{A90}$ : The sound level (in dBA) exceeded for 90% of the time. This level gives an indication of the sound level during the quieter periods of time in any given sample. It is used to describe the "background sound level" of an area.
  - $L_{Aeq}$ : The equivalent continuous sound level in dBA. This unit may be described as "the notional steady noise level that would provide, over a period, the same energy as the intermittent noise". In other words, the energy average level. This unit is now used to measure a wide variety of different types of noise of an industrial or commercial nature, as well as aircraft and trains.
  - $L_{A10}$ : The sound level (in dBA) exceeded for 10% of the time. This level gives an indication of the sound level during the noisier periods of time in any given

sample. It has been used over many years to measure and assess road traffic noise.

$L_{AMAX}$  The maximum level of sound measured in any given period. This unit is used to measure and assess transient noises, i.e. gun shots, individual vehicles, etc.

A7 The sound energy of a transient event may be described by a term SEL - Sound Exposure Level. This is the  $L_{Aeq}$  level normalised to one second. That is the constant level in dBA which lasting for one second has the same amount of acoustic energy as a given A weighted noise event lasting for a period of time. The use of this unit allows the prediction of the  $L_{Aeq}$  level over any period and for any number of events using the equation;

$$L_{AeqT} = SEL + 10 \log n - 10 \log T \text{ dB.}$$

Where

n = Number of events in time period T.

T = Total sample period in seconds.

A8 In the open, known as free field, sound attenuates at a rate of 6 dB per each doubling of distance. This is known as geometric spreading or sometimes referred to as the Inverse Square Law. As noise is measured on a Logarithmic scale, this attenuation in distance =  $20 \log$  (ratio of distances), e.g. for a noise level of 60 dB at ten metres, the corresponding level at 160 metres is:

$$60 - 20 \log \frac{160}{10} = 60 - 24 = 36 \text{ dB.}$$

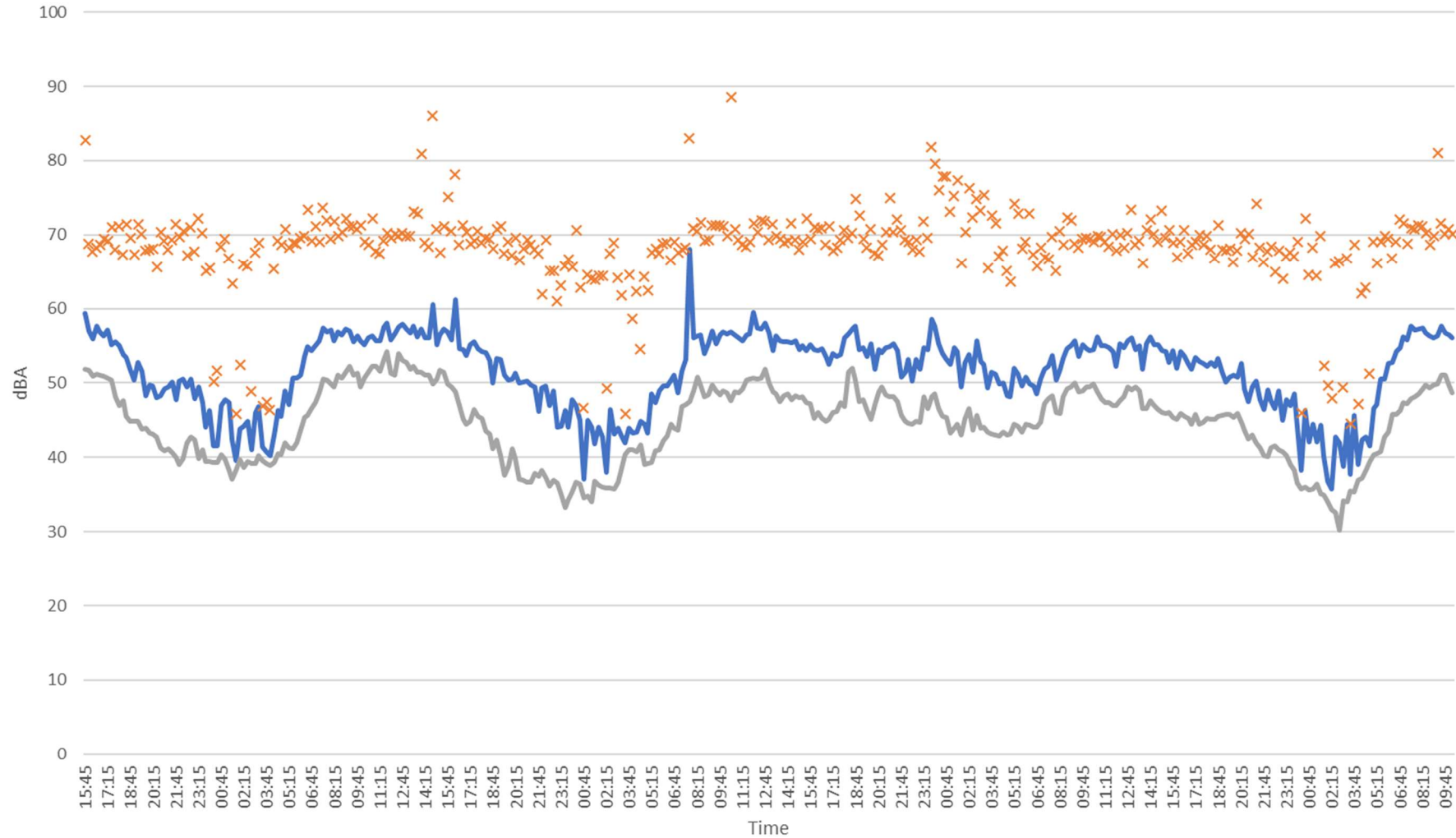
A9 The Basic Noise Level with regard to the assessment of road traffic noise is a reference noise emission of a particular road link based on calculations using traffic flow, speed and HGV percentage as set out in CRTN.

**APPENDIX Ba**

**Noise Survey Data Graph and Background Noise Level Graphs  
(Sharps Redmore 2021 Survey)**



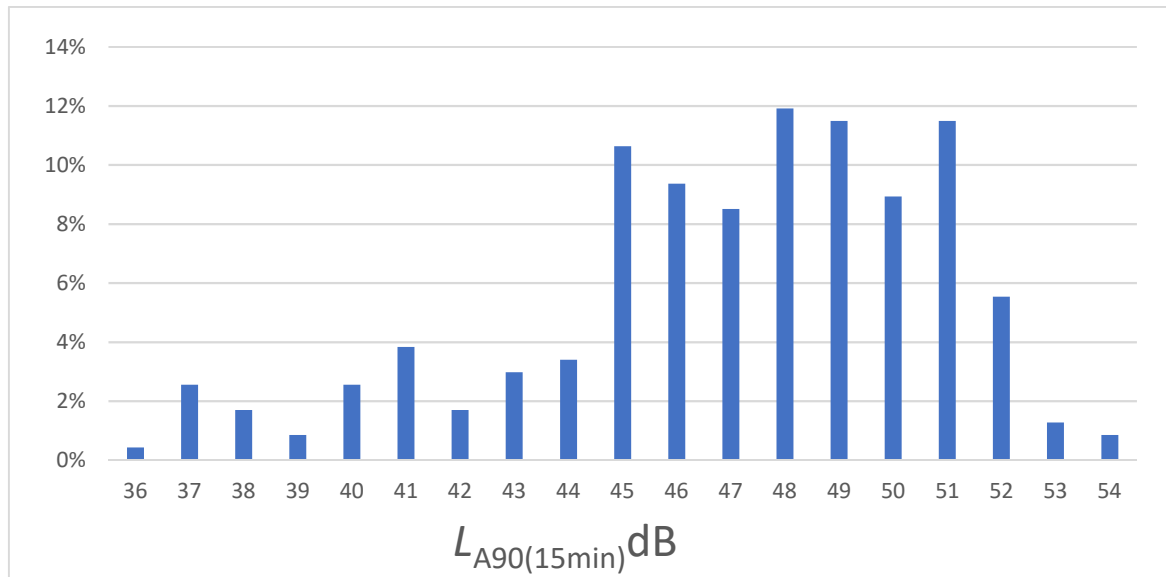
LT1 Noise Survey Data: 02/12/21 - 06/12/21



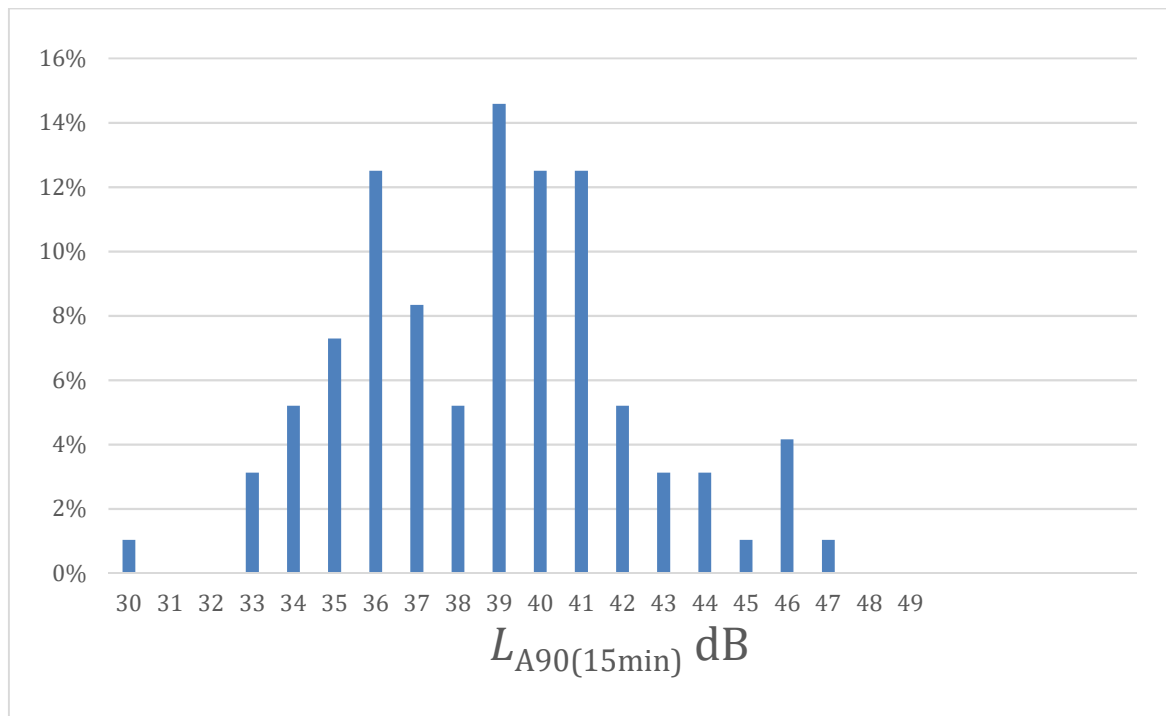
— LAeq (dB)    x LAMax (dB)    — LA90 (dB)

## LT1 Background Noise Level Graphs (SR 2021)

### Day



### Night

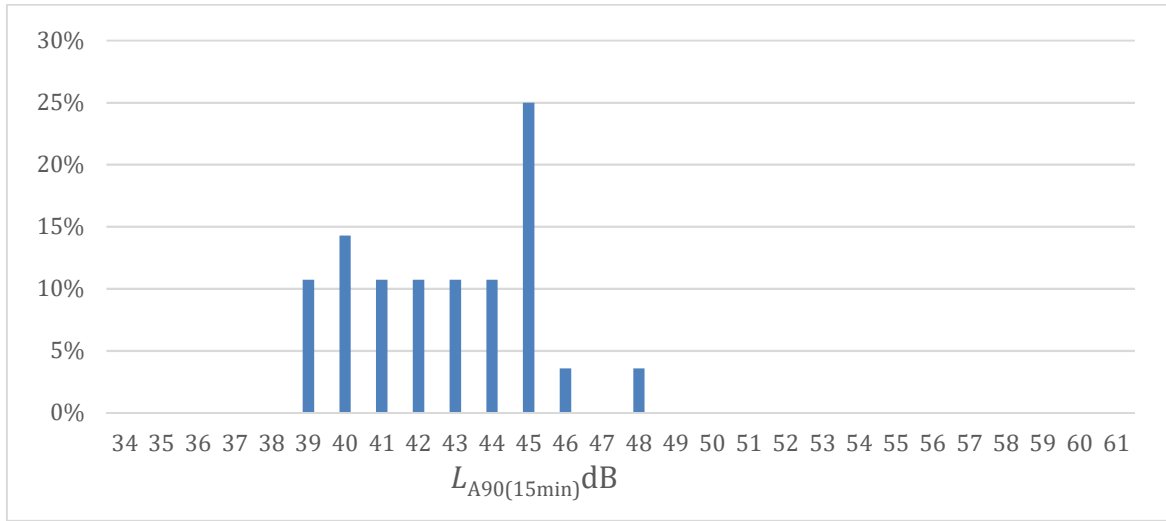


## **APPENDIX Bb**

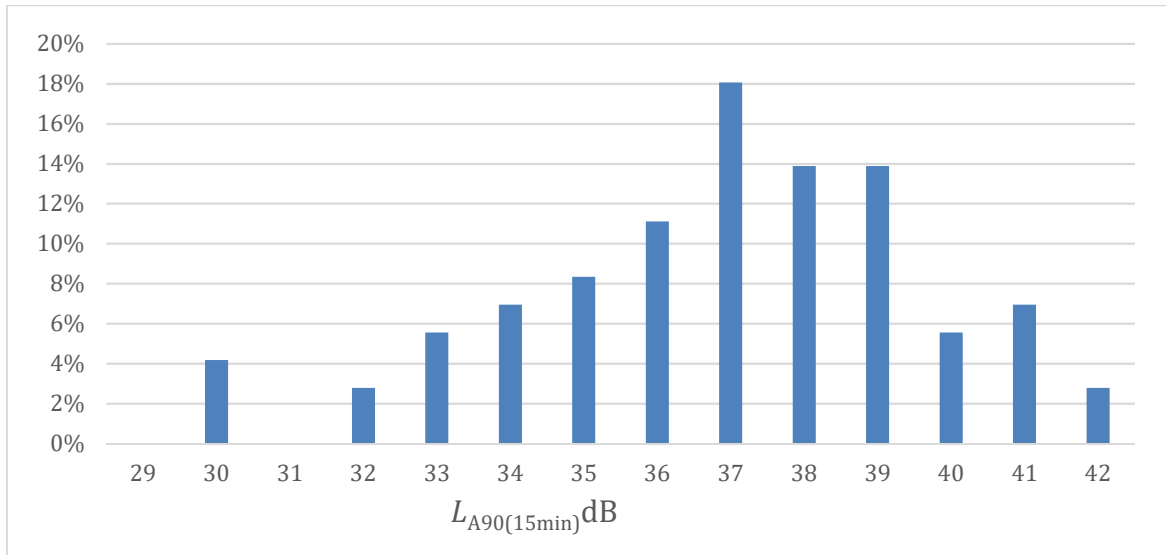
### **Background Noise Level Graphs**

**(Data Provided by SMBC Public Protection Department)**

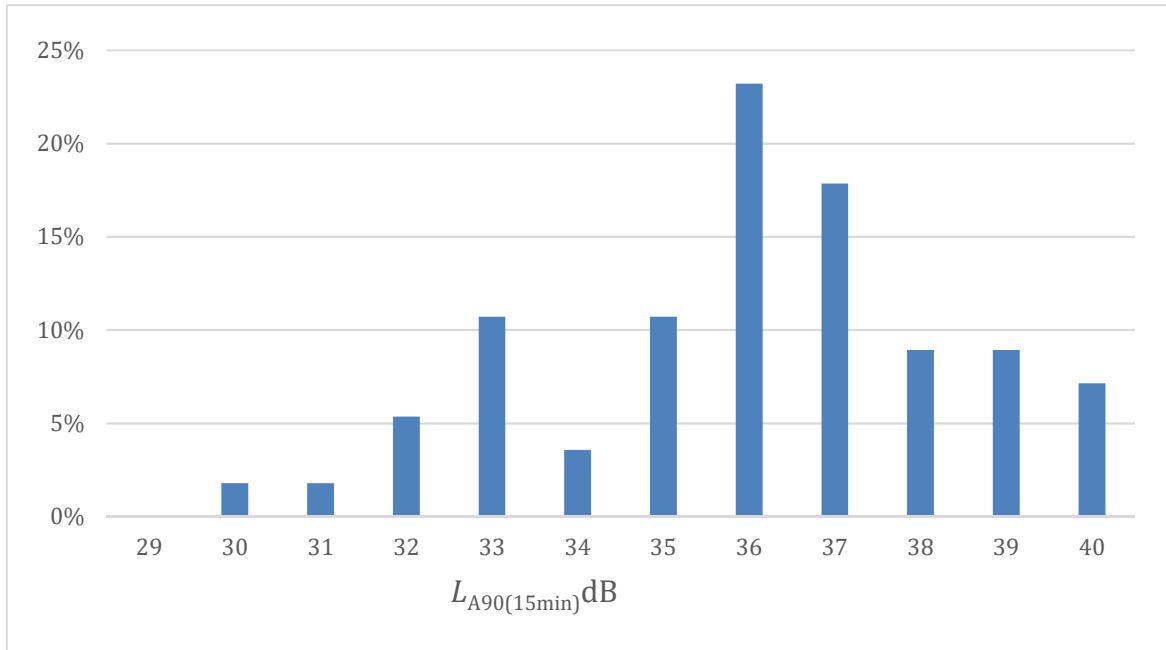
**Day (Weekday 07:00 – 19:00 / Saturday 07:00 – 14:00)**



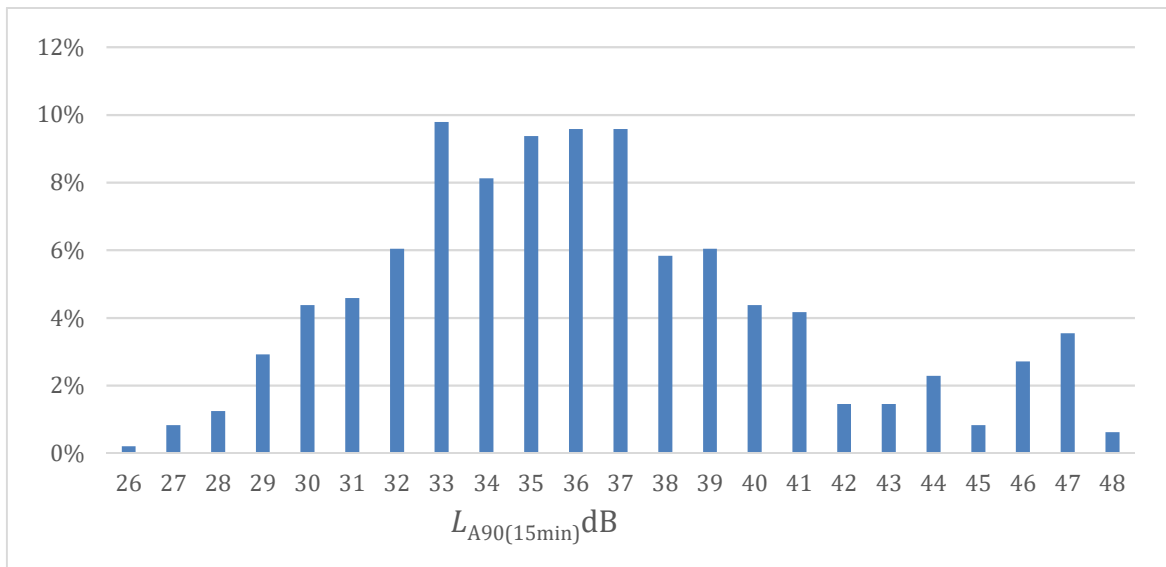
**Evening (Weekday 19:00 – 21:00)**



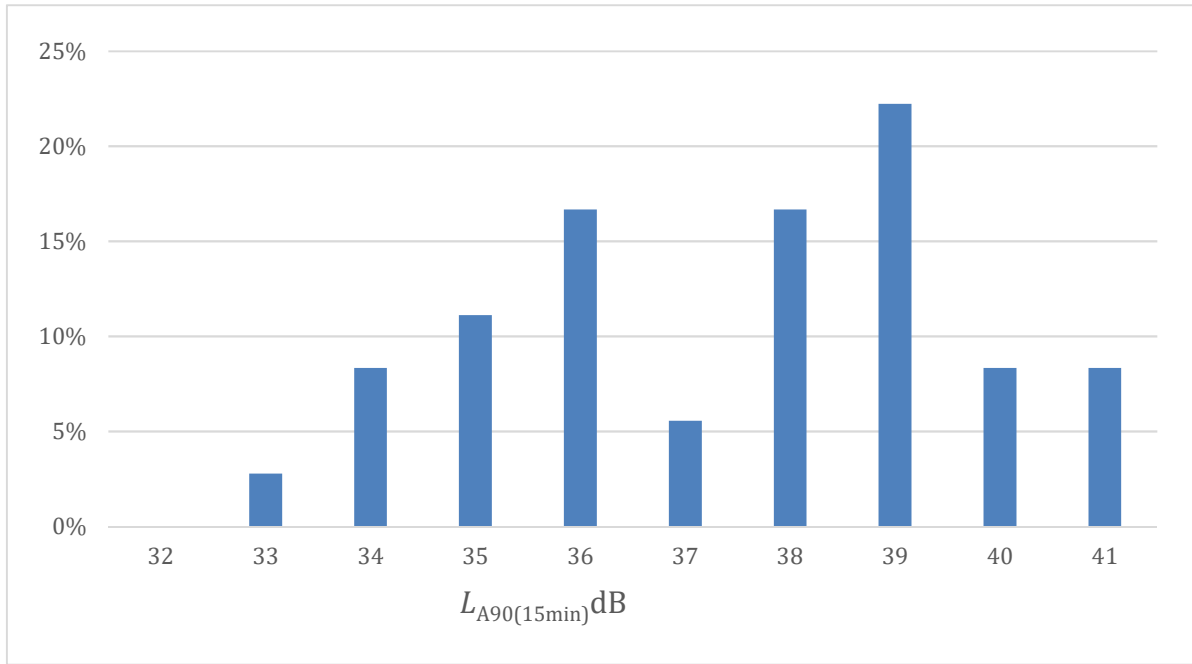
**Evening (Weekday 21:00 – 23:00)**



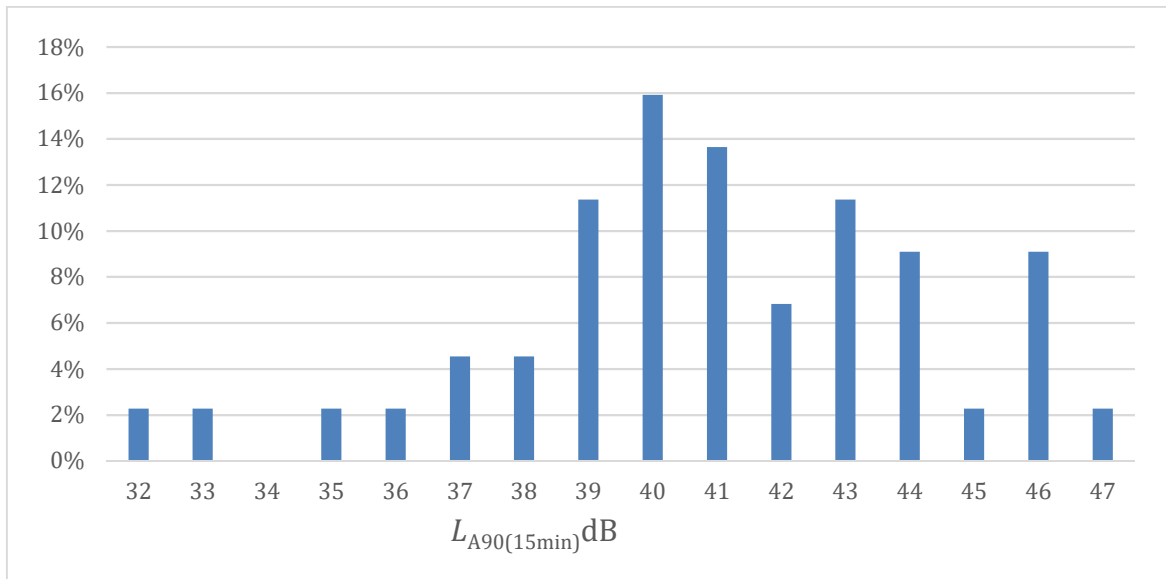
**Night-time (23:00 – 07:00)**



**Night-time (04:00 – 05:00)**



**Night-time (05:00 – 06:00)**

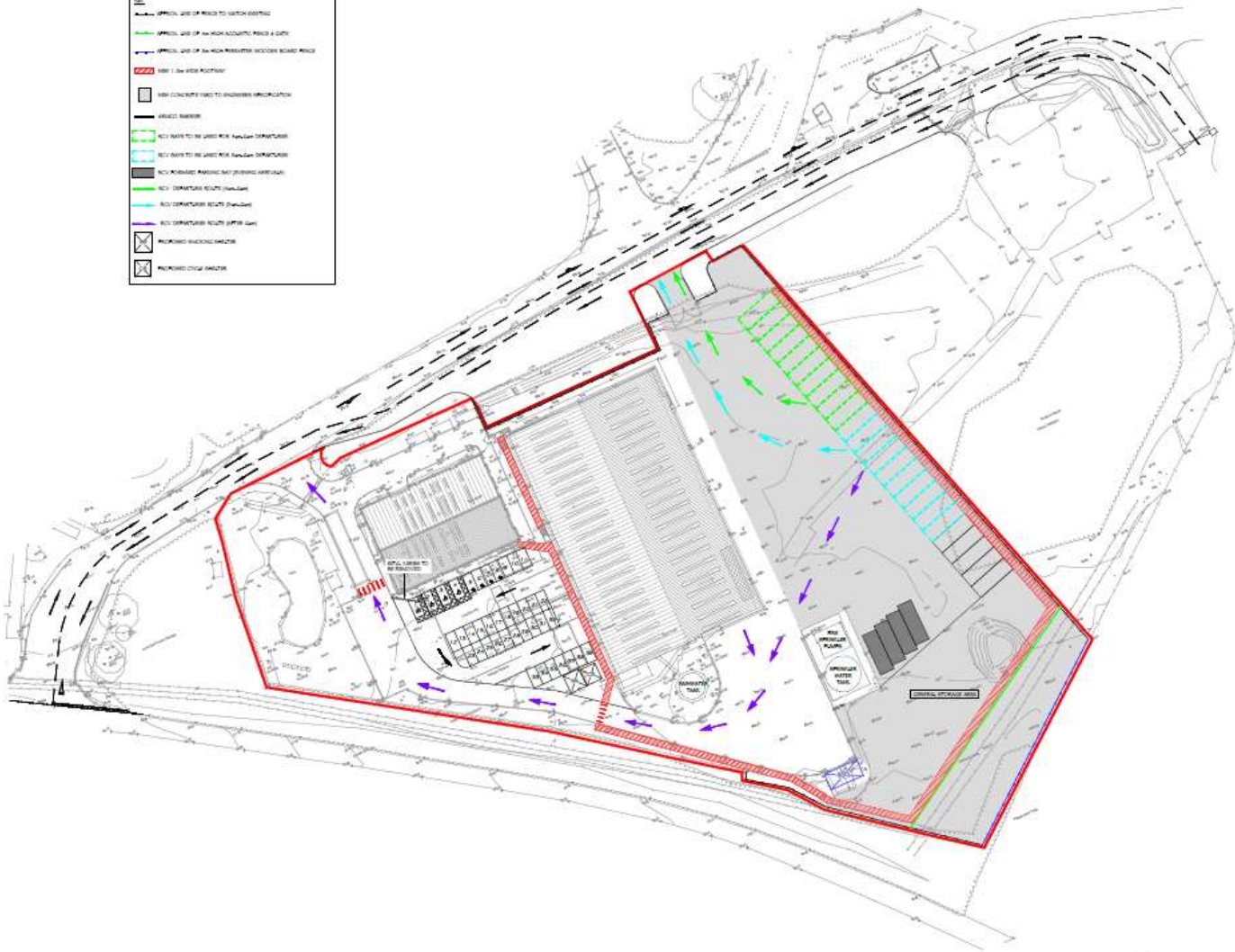


## **APPENDIX C**

### **Proposed Site Plan**



- SPECIAL USE OF ROAD TO CUSTOMER ENTRANCE
- SPECIAL USE OF HIGH-RISE ACCESSORY ROAD & DRIVE
- SPECIAL USE OF HIGH-RISE RESIDENTIAL BOARD WALK
- NEW 1.5M WIDE FOOTWAY
- NEW CONCRETE PAVED TO ENHANCE AMENITY/QUALITY
- RESURFaced DRIVEWAY
- NEW BAYS TO BE USED FOR RESIDENTIAL GARAGES
- NEW BAYS TO BE USED FOR RESIDENTIAL GARAGES
- NEW KITCHENS AND BATHS TO BE USED FOR RESIDENTIAL GARAGES
- NEW DRIVEWAYS (NEW) (REMOVED)
- NEW DRIVEWAYS (NEW) (REMOVED)
- NEW DRIVEWAYS (NEW) (REMOVED)
- REINFORCED BRICK WALL
- REINFORCED CONCRETE WALL



**Operation & Maintenance Manual**  
 The proposed construction must allow for Supply / Produce the following:  
 Components of the structure shall be installed together with their related maintenance instructions.  
 Maintenance of installed assets  
 As related drawings  
 Allow for maintaining the asset or a replacement of the asset in operating, performing, carrying out systems installation.

© 2021 This drawing is a copyright of Earth Services Associates Ltd and must not be copied or reproduced without prior written approval of Earth Services Associates Ltd. All rights reserved.  
**NOTES:**  
 DO NOT SCALE: All dimensions to be obtained by careful on site.  
**Special Consideration of the Works:**  
 1. Operations for setting floor as shown.  
 2. Refractor areas to include proposed layout and setting key detail of all areas for additional detail setting and for the long storage.  
 3. Installation of a new steel frame for floor for proposed steelwork installation in the areas and 1.5m wide for the works.  
 4. New parking area to be formed to include 28 parking bays, including 4 for visitors and 2 accessible bays for visitors.  
 5. New office accommodation to be located in the north-west of the site as shown. Refractor areas to include proposed layout and setting of all areas for additional detail setting and for the long storage.  
 6. Installation of new structural columns around the site to provide improved safe access to the new building and refractor storage areas. Walling protection to be installed for pedestrian safety.  
 7. New lighting is proposed to provide improved safe access. Lighting solutions to be the same as the existing (see attached plan) or as follows:  
 - New 2.1m high pole-top lighting as shown on drawing plan.  
 - Number of new pole-top lighting areas, including of proposed lighting plan, implemented not to exceed the new proposed installation.  
 - New concrete pad to east of the building for new entrance 2.1m wide along area.

**REVISIONS:**  
 1. New high rise steel 17m wide pole-top lighting, optimised in accordance with BS7074 and BS 5911 (AC-DC).  
 Includes for pedestrian safety: gate to entrance where shown. To include side walk with supports for proposed lighting by design.  
 Includes for greater safety for each side tower 2.1m wide, single phase (230V) 3.0kVA (3000W) tower lighting systems (see 01 11 07 0000).  
 Includes for pedestrian safety: gate to entrance where shown. To include side walk with supports for proposed lighting by design.  
 Includes for pedestrian safety: gate to entrance where shown. To include side walk with supports for proposed lighting by design.  
 Includes for pedestrian safety: gate to entrance where shown. To include side walk with supports for proposed lighting by design.

The services shall include all necessary services for the proposed installation.  
 The structural contractor shall provide the design, supply, installation, commissioning, testing and maintenance of all services for the proposed installation.  
 1. Supply of lighting/ventilation/lighting  
 2. Supply of general power  
 3. Supply of all water to hot water individual installation  
 4. Supply of installation of parking and loading  
 5. Supply of commissioning of complete services installation  
 6. Preparation of design, construction and Method Statement and Operation and Maintenance Manual.

All works shall be undertaken in full accordance with the following:  
 1. BS7074 - 2008 BS lighting regulations 170kV below  
 2. BS 5911 - Emergency Lighting  
 The Structural Contractor shall allow for existing, commissioning, testing and safety (including of existing services as required).  
 The extent of existing services shall be indicated in accordance with the main construction programme of works.  
**Forming & Scaffolding Services**  
 The Structural Contractor shall allow for temporary working from 30' depth (minimum 7.62m) (max) for a maximum width (within the building) to be installed.

No.	Date	Description	By	Check
M	24/05/22	UPDATED TO SUIT COMMENTS	DK	AV/S
L	14/04/22	EXIST ROUTES AMENDED	JC	AV/S
L	14/04/22	PARKING SPACES TO BE TEST	JC	AV/S
R	25/01/22	NO. OF PARKING SPACES	DK	AV/S
Rev	DK	DEVELOPER	DK	AV/S

**Client:**  
 SUPPLY WASTE SERVICES Ltd.

**Project:**  
 NEW WASTE TRANSFER STATION SUPPLY COVENTRY  
 CORNETO END LANE  
 HERCULES  
 COVENTRY  
 CV7 7UG

**Drawing Title:**  
 PROPOSED SITE LAYOUT

**Managing Engineer:** MARTIN SIMPSON

**Scale:** 1:500     **Date:** AUG 21     **Size:** A1

**Status:**  
 PLANNING

**Doc. No.:** 5726-EW-01     **Rev.:** N





## **APPENDIX D**

### **Indicative HGV Movements**

Collection Vehicles

Time	In	Out	Movements
0000 - 0100	0	0	0
0100 - 0200	0	0	0
0200 - 0300	0	0	0
0300 - 0400	0	0	0
0400 - 0500	0	10	10
0500 - 0600	0	10	10
0600 - 0700	0	3	3
0700 - 0800	0	2	2
0800 - 0900	2	1	3
0900 - 1000	1	1	2
1000 - 1100	2	1	3
1100 - 1200	1	1	2
1200 - 1300	5	1	6
1300 - 1400	12	1	13
1400 - 1500	7	3	10
1500 - 1600	0	0	0
1600 - 1700	0	0	0
1700 - 1800	0	0	0
1800 - 1900	1	1	2
1900 - 2000	2	1	3
2000 - 2100	0	0	0
2100 - 2200	1	0	1
2200 - 2300	2	0	2
2300 - 0000	0	0	0
TOTAL	36	36	72

Bulk Loaders

Time	In	Out	Movements
0000 - 0100	0	0	0
0100 - 0200	0	0	0
0200 - 0300	0	0	0
0300 - 0400	0	0	0
0400 - 0500	0	0	0
0500 - 0600	0	0	0
0600 - 0700	0	0	0
0700 - 0800	1	0	1
0800 - 0900	0	0	0
0900 - 1000	0	1	1
1000 - 1100	1	0	1
1100 - 1200	0	0	0
1200 - 1300	0	1	1
1300 - 1400	1	0	1
1400 - 1500	0	0	0
1500 - 1600	0	1	1
1600 - 1700	1	0	1
1700 - 1800	0	0	0
1800 - 1900	0	1	1
1900 - 2000	0	0	0
2000 - 2100	1	0	1
2100 - 2200	0	0	0
2200 - 2300	0	1	1
2300 - 0000	0	0	0
TOTAL	5	5	10

## **APPENDIX E**

### **NOISE MODEL INPUT DETAILS**

**TABLE D.1: SoundPLAN Model Sources and Parameters**

Parameter	Source	Details
Base OS	SoundPlan KSA Consulting Engineers	OS Base Plan
Ground Levels	DEFRA / Topographical survey	2m Lidar DTM / Topographical Survey
Building Heights	SR	8m for all buildings, 3m for garages Proposed building height based on elevational drawings
Receptor Positions	SoundPLAN	Daytime: 1.5m Night-time: 4.5m As freefield at the façade (no reflection from receptor building)
Reflections	SoundPLAN	2 <sup>nd</sup> order reflections
Ground Absorption	SoundPLAN	Site G=0 (Hard ground) Area between site and receptor G=1 (Soft Ground)
Site Plans	KSA Consulting Engineers	Proposed Site Layout 5726-EW-01 Rev N Proposed elevational drawing

**Table D.2: Internal reverberant sound pressure level within WTS**

	Octave band centre frequency Hz – dB								SUM (dBA)
	63	125	250	500	1k	2k	4k	8k	
Calculated Internal Reverberant Sound Pressure Level (1hour)	83	87	81	79	78	82	70	63	85

Internal reverberant sound level presented in Table D.2. is calculated using a sound power level of 107 dB  $L_{WA}$  for the waste handler and 109 dB  $L_{WA}$  for the loading shovel. No differentiation between general operation and loading of bulk loader. 100% on-time for both items of plant operating simultaneously.

**Table D.3: Sound Reduction Index of WTS Building Fabric Included in Noise Model**

	Octave band Sound Reduction Index Hz - dB								Construction
	63	125	250	500	1k	2k	4k	8k	
Cladding	15	16	19	23	26	22	39	39	Kingspan AWP/60 (no lining)
Push Walls	41	46	54	61	67	72	87	87	350mm concrete
SE Roller Shutter Door	14	14	17	18	15	19	19	19	Horman SPUF42 LE Sectional Door
NE Fast Close Roller Shutter Door*	4	3	3	4	8	13	18	18	Syston Coors TRAFFIC CM Rapid Roll Doors
Louvres**	0	0	0	0	0	0	0	0	
Roof***	15	14	17	21	25	22	27	30	

\* Calculated using INSUL: 0.6mm rubber 7g/m<sup>2</sup>

\*\*No acoustic properties considered

\*\*\*8 Composite calculation of Kingspan AWP/60 (no lining) roof cladding and Kingspan KS1000 DLTR Rooflights

Over a hour period, it has been assumed that the fast close roller shutter doors located along the north eastern (NE) facade would be open for 1 minute for each RCV arrival or departure with the roller shutter door on the south eastern door open for 3 minutes during the departure of the bulk loader.

During the periods when the doors have been assessed as being open, no sound insulation performance has been applied in the model calculations (i.e. 0 dB).

**Table D.4: RCV and Bulk Loader(Per Vehicle) Source Noise Levels**

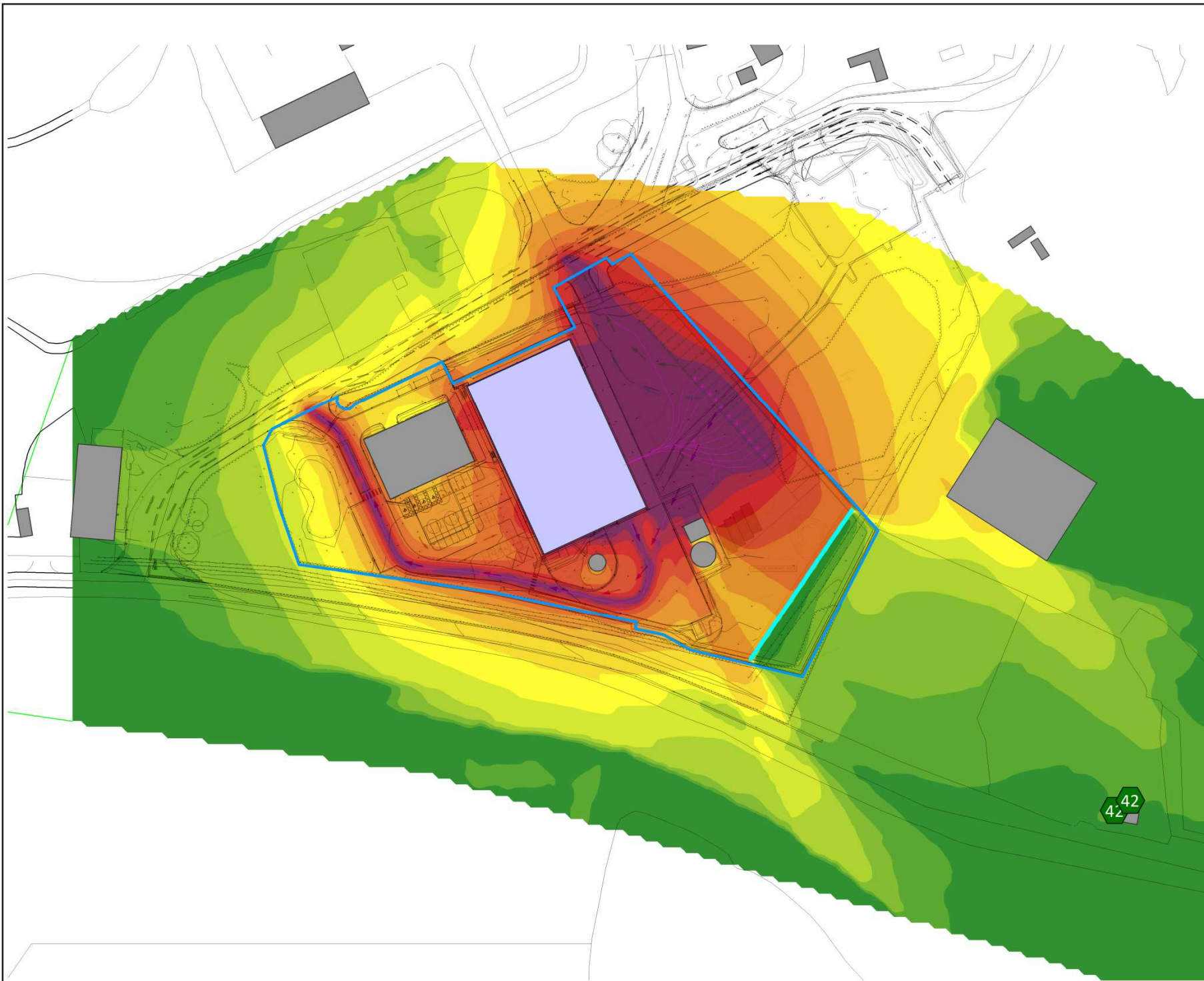
Source	Activity Noise Level	Activity Time	Resultant Activity Noise Level
RCV manoeuvring in parking area (Point source)	100 dB LAeq,1hour	1 min	82 dB LAeq,1hour
RCV Start up and Departure (Point source)	95 dB LAeq,15mins	1 min	83 dB LAeq,15mins
RCV & Bulk Loader travelling within site (Line source – moving point source)*	106 dB LWA	N/A	N/A

\*Source noise level obtained from BS5228-1 Table C.8.20

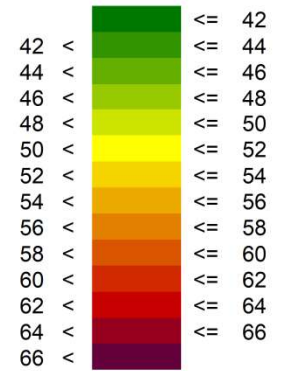
Source noise levels for the RCV manoeuvring and departure are based on a significant number of measurements obtained by Sharps Redmore over several years at industrial, commercial and waste sites

## **APPENDIX F**

### **Sketches**



Noise level  
LAeq(T)  
(dB)



SK01:

Daytime Scenario 1

Noise levels

LAeq(1hour)

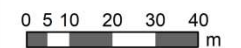
Contour Grid / Calculations  
at 1.5m height

(Noise contour plot provided  
for indicative purposes only)

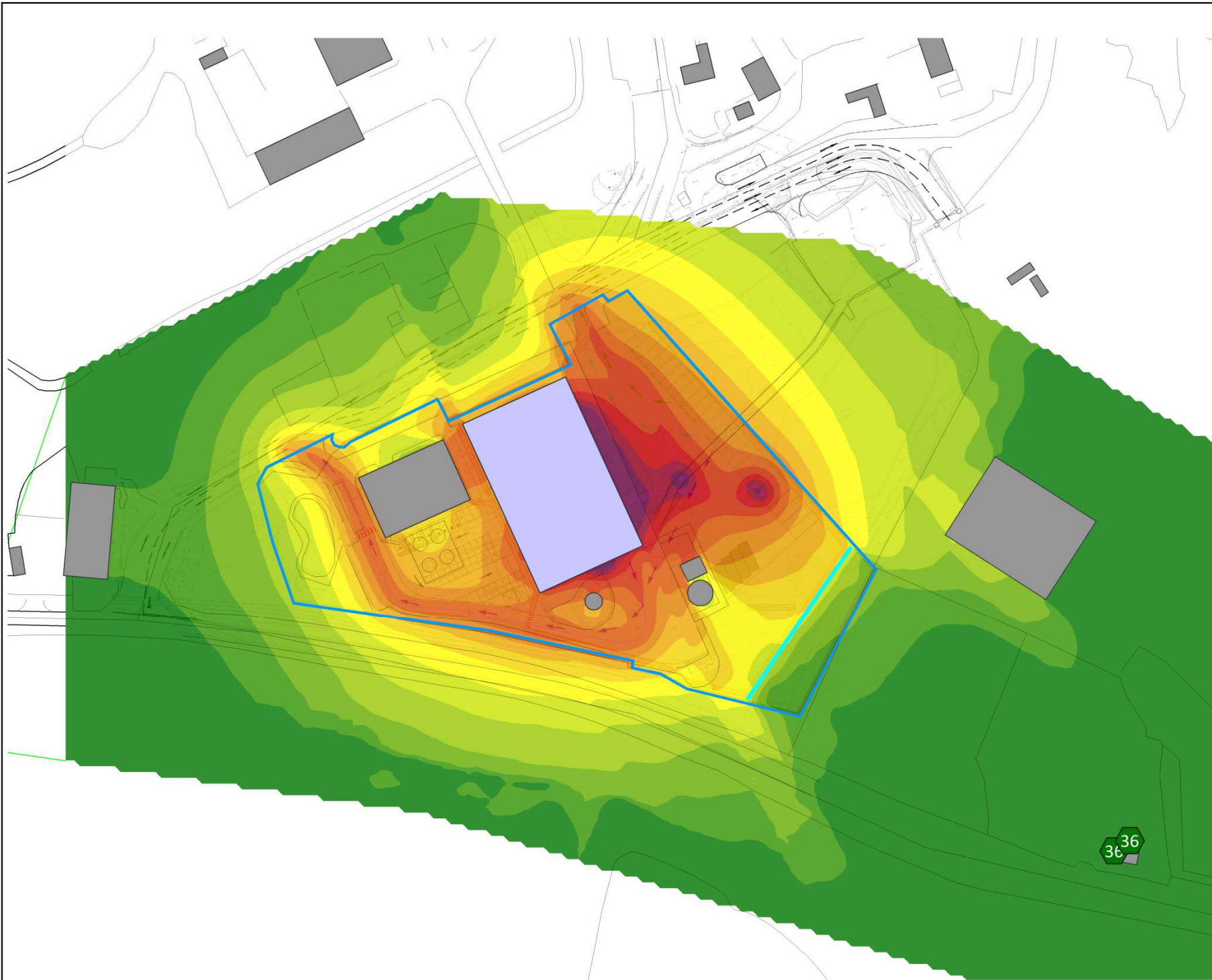
Date: 25.05.2022

Consultant: PGR

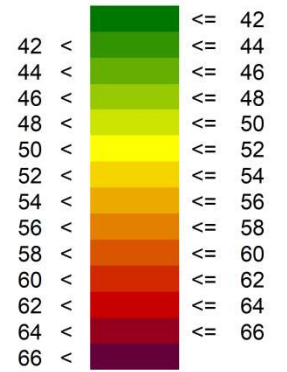
Scale 1:1750







Noise level  
LAeq(T)  
(dB)



SK02

Daytime Scenario 2

Noise levels

LAeq(1hour)

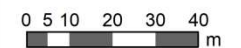
Contour Grid / Calculations  
at 1.5m height

(Noise contour plot provided  
for indicative purposes only)

Date: 25.05.2022

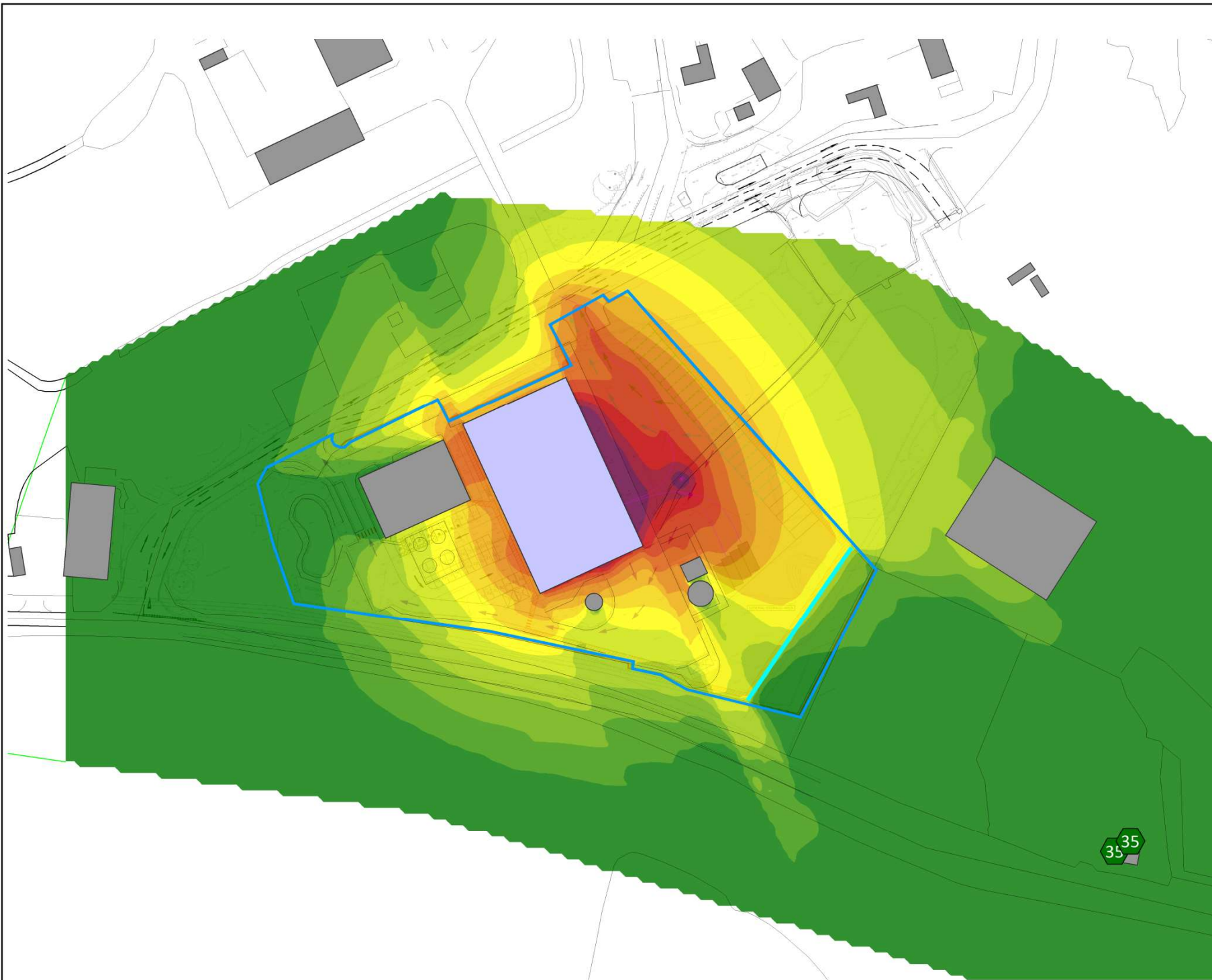
Consultant: PGR

Scale 1:1750

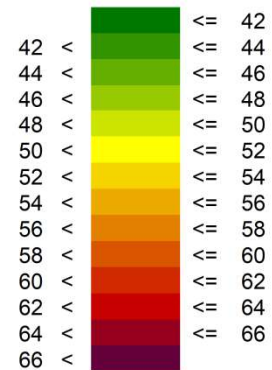


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Noise level  
 LAeq(T)  
 (dB)



SK03:  
 Daytime Scenario 3  
 Noise Levels  
 LAeq(1hour)

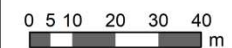
Contour Grid / Calculations  
 at 1.5m height

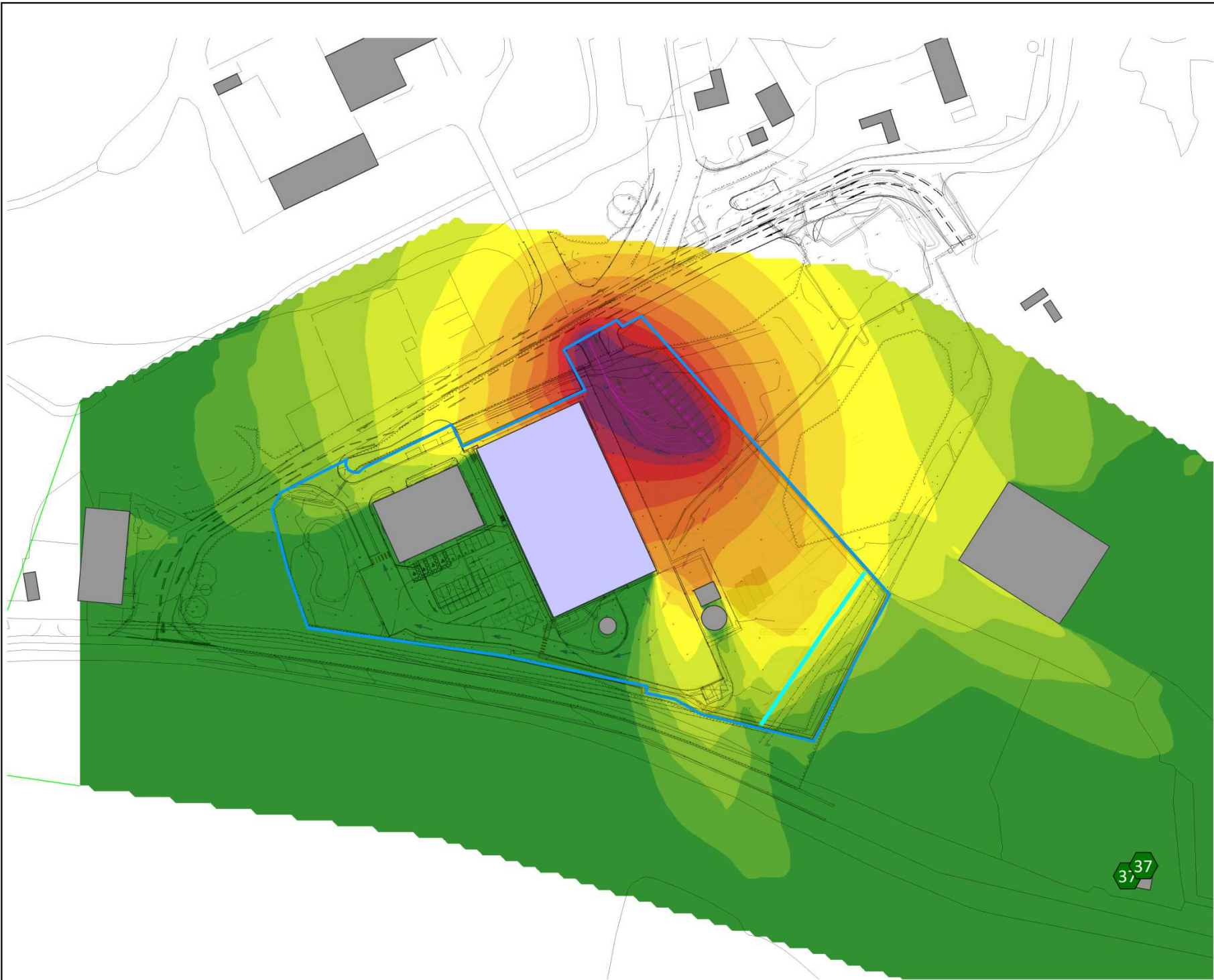
(Noise contour plot provided  
 for indicative purposes only)

Date: 25.05.2022

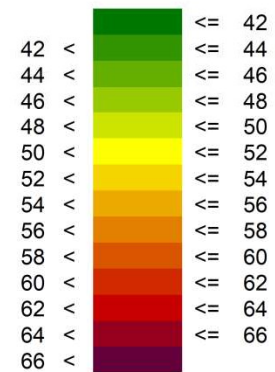
Consultant: PGR

Scale 1:1750





Noise level  
LAeq(T)  
(dB)



SK02a

Night-time (4am to 5am)

Noise levels

LAeq(15min)

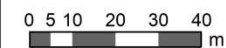
Contour Grid / Calculations  
at 4.5m height

(Noise contour plot provided  
for indicative purposes only)

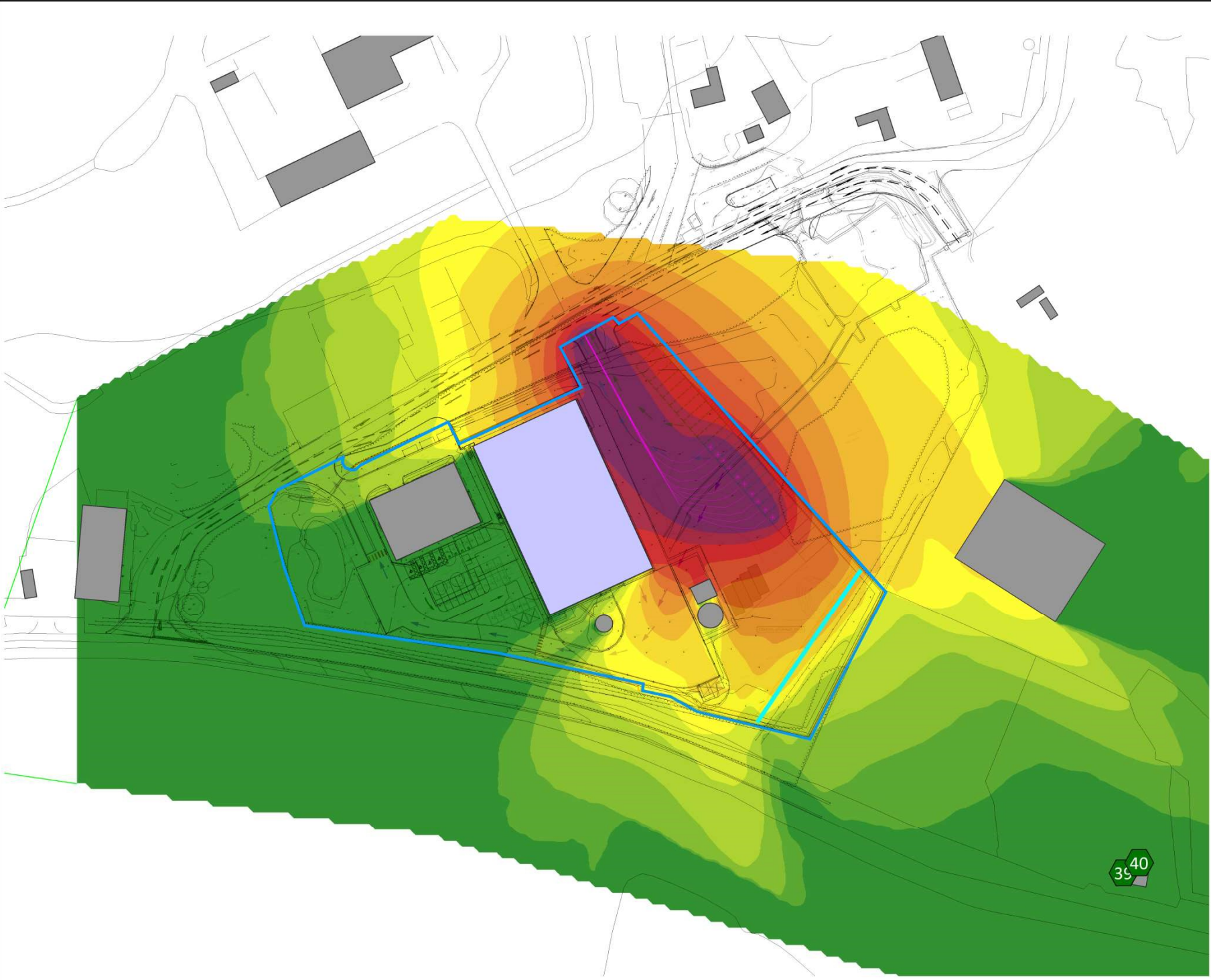
Date: 25.05.2022

Consultant: PGR

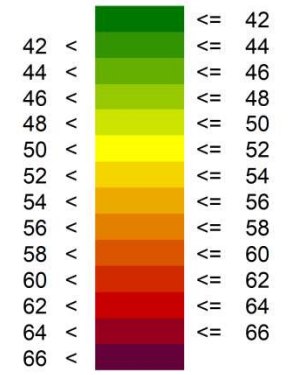
Scale 1:1750







Noise level  
LAeq(T)  
(dB)

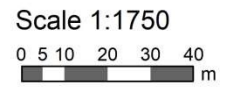


SK02b  
Night-time (5am to 6am)  
Noise levels  
LAeq(15min)

Contour Grid / Calculations  
at 4.5m height  
  
(Noise contour plot provided  
for indicative purposes only)

Date: 25.05.2022

Consultant: PGR



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