Client: A1 Sandwell Skips Limited
Address: 1-3 Roebuck Lane, Smethwick, Sandwell, West Midlands, B66 1BS.

A1 Sandwell Skips Limited

Odour Management Plan (OMP)

Application to Vary Environmental Permit EPR/DB3408LE
1-3 Roebuck Lane, Smethwick, Sandwell, West Midlands, B66 1BS

16 January 2026

Our Reference: A1 Sandwell Skips Ltd-OMP, RP05, Final

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A1 Sandwell Skips Ltd-OMP, RP05, Final

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1 INTRODUCTION

1.1 BACKGROUND

1.1.1 This Odour Management Plan (OMP) provides a detailed assessment of the methods by which A1 Sandwell Skips Ltd ***(the Operator)*** will systematically assess, reduce and prevent potentially odorous emissions from their household, commercial and industrial waste transfer station with treatment at 1 to 3 Roebuck Lane, Smethwick, Sandwell, West Midlands, B66 1BS ***(the Site)***.

1.1.2 The Site has the benefit of an Environmental Permit (EPR/DB3408LE), which was first issued on 19 October 2006 and varied to a Standard Rules SR2015 No6 on 10 August 2016. The permit was transferred to A1 Sandwell Skips Limited on 19 November 2024.

1.1.3 The Operator seeks to vary the permit (EPR/DB3408LE) to a bespoke version to increase the maximum waste throughput to 200,000 tonnes per annum and to authorise the use of a proposed roofed and 3 sided building for waste storage (see below). There are no proposals to amend the authorised waste types or the permit boundary, which will remain unchanged. The Site will not accept hazardous wastes. The proposed site layout is shown on Drawing 'Indicative Site Layout and Storage - DW01'

1.1.4 This Odour Management Plan has been prepared to accompany the application to vary the permit to authorise the proposed increase in waste recycling and recovery. It provides the explicit list of 'appropriate measures' required for effective odour management and control and serves to aid the decision-making process on the choice of controls, general site design and operational practice in line with current industry best practice. It has been updated to address the requirements of Odour management: comply with your environmental permit (https://www.gov.uk/guidance/odour-management-comply-with-your-environment-permit/2-your-permit-condition-for-odour-management), which was published on 3 December 2025.

1.1.5 The Site incorporates an existing roofed shed, circa 30m x 17m in size, with an impermeable concrete base. Waste is loaded by mechanical mobile plant into an elevated hopper and trommel, located next to the shed on the external concreted yard. The trommel separates the fines from the larger fraction. Separated fines are gravity transferred to an engineered three-sided bay located immediately below the trommel, whilst the larger fraction is conveyed to an elevated picking station, where site operatives separate materials into cardboard, plastics, plasterboard, general waste, wood and scrap metal. The site operatives place the separated recyclables into one of 6 No chutes, which each gravity feeds the materials into a dedicated, engineered storage bay beneath the picking station. Materials are bulked up in the bays for off site transfer to authorised facilities for recycling. A water sprinkler system is installed inside the building roof for dust control. If necessary, a deodoriser could be added to control odour, although the Site does not have any history of odour issues or complaints.

1.1.6 The Operator proposes to install a large roofed, three-sided building along the southeast boundary of the Site, adjacent to Telford Way. The rear wall of the building will run adjacent to the road thereby enhancing the Site's dust control measures and minimising any potential for fugitive emissions to migrate towards the nearest residential properties, which are located east

of the facility on Great Arthur Street, circa 85m distant. A water sprinkler system will also be installed inside the building roof for dust control. As with the existing building, a deodoriser could be added to control odour if required.

1.1.7 The new building will incorporate 7 No engineered fireproof concrete bays for the containment of wastes. Each bay will be used for designated wastes as follows:

- Quarantine bay
- Trommel fines bay
- Wood bay
- Mixed construction waste bay
- Soil and stones bay
- General waste bay
- General waste bay.

1.1.8 In addition, the trommel hopper and trommel will be relocated inside the new building, thereby ensuring that wastes are tipped, stored and processed inside roofed structures. The building will incorporate an impermeable concrete base and a water misting system will be installed for dust suppression.

1.1.9 The external yard is concreted throughout. Arco drains have been installed in the yard to direct surface water run-off to an underground sealed tank, the location of which is shown on Drawing 'Indicative Site Layout and Drainage', DW01. Water level in the tank is subject to regular inspection, with the contents pumped out by road tanker for disposal off site to an authorised facility.

1.1.10 This OMP is a working document with the specific aim of ensuring that:

- All potential odour sources are identified;
- Odour impact is considered as part of routine inspections;
- Odour is primarily controlled at source by good operational practices, the correct use and maintenance of plant, and operator training;
- All appropriate measures are taken to prevent or, where that is not reasonably practicable, to minimise odorous emissions to air from the Site that may be considered offensive at locations outside of the Site boundary;
- People outside of the Site are not exposed to levels of odour that would result in annoyance;
- The risk of unplanned odour releasing incidents or accidents that would result in annoyance is minimised; and
- Site developments take into account odour potential and potential impacts from work

carried out.

1.2 THE SITE

1.2.1 The Site is located on a large industrial estate near Galton Bridge, Smethwick in Sandwell. It is located circa 6km northwest of Birmingham City Centre and 470m east of the M5 Motorway at the closest point.

1.2.2 The Site is accessed off Roebuck Lane to the immediate west, beyond which are the Operator's offices and workshop. Telford Way borders the Site to the immediate east, immediately beyond which is an area of woodland and then residential properties and a further area of industrial land. The Site is bordered to the immediate north and south by further woodland.

1.2.3 The Birmingham Canal is circa 27m north of the Site at the closest point. It aligns northwest to southeast in the vicinity of the Site and enters a tunnel (Summit Tunnel) immediately below Roebuck Lane, existing circa 100m to the southeast. The Birmingham Level Canal is located circa 40m south of the Site and also aligns northwest to southeast in the vicinity of the facility (roughly parallel to the Birmingham Canal). It also enters a tunnel (Galton Tunnel), circa 40m from the Site.

1.2.4 Galton Bridge Railway Station is circa 93m west of the Site at the closest point, with the nearest railway line circa 44m north of the facility. A separate railway line is located circa 74m south of the Site (both lines serve Galton Bridge Railway Station).

1.2.5 The nearest residential properties are located on Great Arthur Street, circa 85m east of the Site. Further residential properties in proximity to the Site are located on Holly Lane, circa 143m south, Forest Close, circa 170m west, Fenton Street, circa 198m south southwest, Draycott Road, circa 200m south southwest and Waterfield Close, circa 223m west.

1.2.6 The nearest industrial premises are circa 78m northwest of the Site on the Summit Crescent Industrial Estate. Other industrial and commercial properties in close proximity are located circa 110m north of the Site off Roebuck Lane and circa 135m northeast of the facility off Bevan Way.

1.2.7 Review of Magic Map (https://magic.defra.gov.uk/) shows that there are no European Sites, i.e. Special Protection Areas (SPA), Special Conservation Areas (SAC) or Ramsar Sites within 2km of the Site.

1.2.8 There are no Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Biosphere Reserves, Marine Conservation Zones or Ancient Woodlands within a 2km radius of the Site boundary.

1.2.9 There is one Local Nature Reserve (LNR) within a 2km radius of the Site. Priory Wood LNR is circa 1,675m north of the Site at the closest point. Habitats include woodland, pools, streams and marsh. The site contains the ruins of a 12th Century priory.

1.2.10 The nearest Priority Habitat to the Site is an area of Deciduous Woodland that borders the facility to the immediate south.

1.2.11 Other areas of Priority Habitat in proximity to the Site comprise:

- Deciduous Woodland east of Telford Way, circa 23m east of the facility;
- Deciduous Woodland, circa 261m southwest of the facility;
- Lowland Heathland, circa 54m west of the facility;
- Woodpasture and Parkland BAP, circa 388m southeast of the facility
- Lowland Dry Acid Grassland, circa 271m southeast of the facility;
- Good quality semi-improved grassland, circa 447m southeast of the facility.

1.2.12 Magic map shows a Scheduled Monument circa 5m northeast of the Site boundary at the closest point. Known as Smeaton's Summit Bridge, the Natural England citation states that the reasons for its designation and history are 'Not currently available'.

1.2.13 Sandwell MBC has declared an Air Quality Management Area (AQMA) for Nitrogen Dioxide (NO_2) for all of the Borough.

1.3 SITE RESPONSIBILITY OVERVIEW

1.3.1 The Site Manager or, during periods of absence, company Director or other suitably trained person will have overall responsibility for ensuring that any potentially odorous emissions arising from the Site are prevented and that inherently odorous waste is not accepted. Adequate staffing levels will be maintained at all times to ensure the effective operation of the facilities.

2 METEOROLOGICAL CONDITIONS

2.1 PREVAILING WINDS

2.1.1 Statistics on wind direction and wind speed are based on observations taken from the nearest weather station at Coleshill (c. 19.5 km east of the site) between January 2016 to September 2025, which indicates that prevailing winds originate predominantly from the south. The wind rose data is shown in Figures 1 and 2 below.

Figure 1: Rose diagram showing annual prevailing wind direction

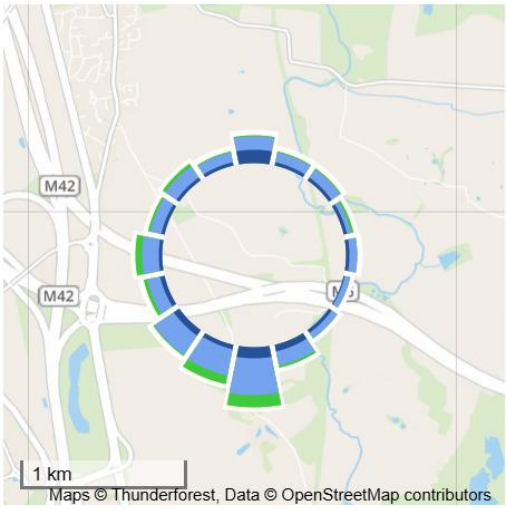
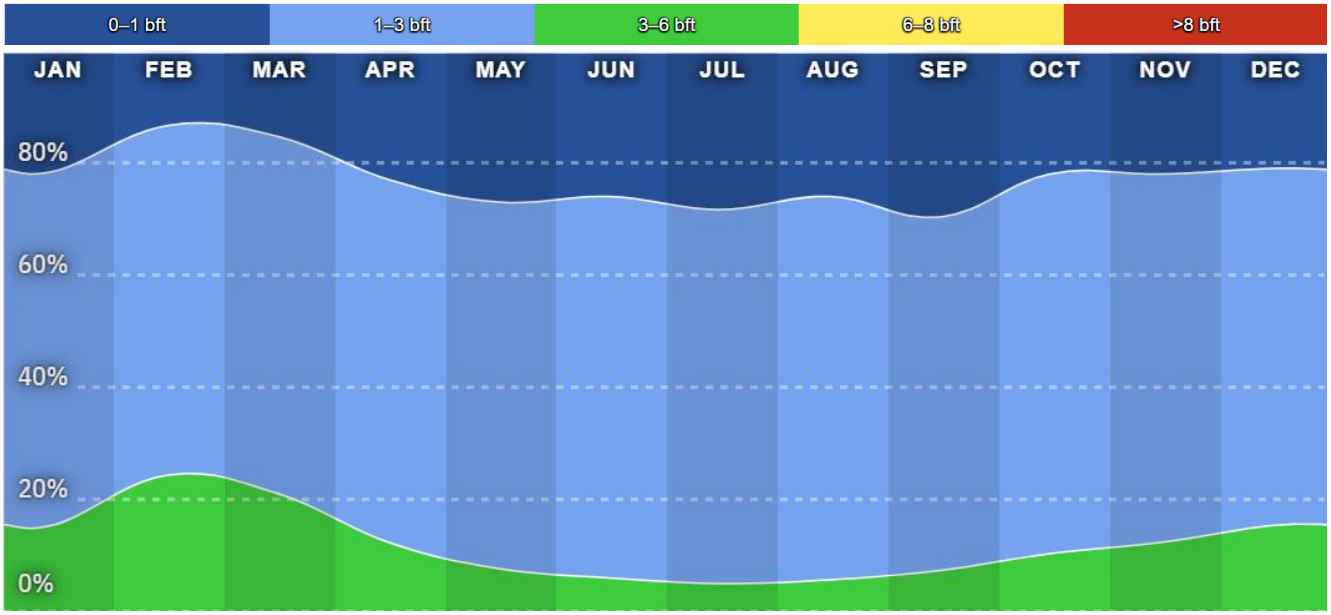


Fig. 2 Monthly wind direction and strength distribution



3 SENSITIVE RECEPTORS

3.1.1 Sensitive receptors at potential risk from any odorous emissions at the Site are shown on the Drawing 'Sensitive Receptors', DW02 and are listed in Table 1 below.

3.1.2 In terms of predicted exposure risk, levels have been determined via a qualitative assessment which evaluates the likelihood of exposure to odour emissions based on the receptors' proximity to the Site and the location of the sensitive receptors in regard to the prevailing wind direction as shown in Figure 1.

3.1.3 Due to the high number of sensitive receptors, not all residential properties and local businesses etc are individually assessed, as there are several thousand locations within the assessment distance. Table 1 assesses the most proximate receptors within each category to provide information on the highest level of risk that would be encountered. Where mitigation measures

demonstrate that the level of odour risk is low at the selected sites, it can be assumed that risk would also be low at more distant sites.

Table 1: Distance to Selected Sensitive Receptors

Receptor	Type of Facility	Distance (m) & Direction from Site	Overall Exposure Level Without Mitigation	Comments
Medical				
Cranstoun – Sandwell (Community Substance Misuse Service), Alberta Building, 128B Oldbury Road, Smethwick, West Midlands, B66 1JE	Medical	379m W	Medium	The receptor is upwind of the prevailing wind direction and over 250m distance.
Lodge Road Surgery, Smethwick, B67 7LU	Medical	413m SW	Medium	The receptor is upwind of the prevailing wind direction and over 250m distance.
Sandwell Maternity Hub, Oldbury Road, Smethwick, B66 1JA	Medical	455m W	Medium	The receptor is upwind of the prevailing wind direction and over 250m distance.
Hawthorns Medical Centre, 94 Lewisham Road, Smethwick, B66 2DD	Medical	716m E	Low / Medium	The receptor is downwind of the prevailing wind direction, but is relatively distant at over 500m.
St Paul's Surgery, 222 St Paul's Road, Smethwick B66, 1HB	Medical	813m W	Low	The receptor is upwind of the prevailing wind direction and is distant at over 750m.
Schools				
Stepping Stones Pre-School, West Smethwick Methodist Church, St Pauls Road, Smethwick B66 1EX	Pre-School	353m SW	Medium	The receptor is upwind of the prevailing wind direction and over 250m distance.
Bright Lights Day Care, Great Arthur Street, Smethwick, B66 1DH	Nursery School	537m SE	Low / Medium	The receptor is upwind of the Site and is relatively distant at over 500m.
Sandwell Community School - COPE Centre of Learning Campus, Holly Lane, Smethwick, B67 7JB	School	620m SSW	Low / Medium	The receptor is upwind of the Site and is relatively distant at over 500m.
Holly Lodge High School College of Science, Holly Lane, Smethwick, B67 7JG	School	630m SW	Low / Medium	The receptor is upwind of the Site and is relatively distant at over 500m.
Galton Valley Primary School	School	633m SE	Low / Medium	The receptor is upwind of the Site and is relatively distant at over 500m.

Receptor	Type of Facility	Distance (m) & Direction from Site	Overall Exposure Level Without Mitigation	Comments
GNG Nursery, Trinity Street, Smethwick, B67 7AA	Nursery School	865m SSE	Low	The receptor is upwind of the prevailing wind direction and is distant at over 750m.
Sandwell Academy, Halfords Lane, West Bromwich, B71 4LG	School	970m NE	Low	Although the receptor is downwind of the prevailing wind direction, it is distant at over 750m.
Care Homes				
ASRA Health and Social Care Centre, Asra House, Fenton Street, Smethwick, B66 1HR	Day Care	196m S	High / Medium	Although the receptor is upwind of the prevailing wind direction, it is in relatively close proximity at less than 250m of the Site. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
Dignus, 1 Chance Drive, Smethwick B66 1TT	Retirement Home	790m WNW	Low	The receptor is distant at over 750m from the Site.
Karam Court Care Home, Highbury Road, Smethwick, B66 1QX	Care Home	853m W	Low	The receptor is upwind of the prevailing wind direction and is distant at over 750m.
Poplars Nursing Home, 66 South Road, Smethwick, B67 7BP	Nursing Home	997m S	Low	The receptor is upwind of the prevailing wind direction and is distant at over 750m from the Site.
Residential				
Great Arthur Street	Residential	85m E	High	The receptor is downwind of the prevailing wind direction and is in close proximity at less than 100m. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
Holly Lane	Residential	143m S	High / Medium	Although the receptor is upwind of the prevailing wind direction, it is in relatively close proximity at less than 250m of the Site. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
Forest Close	Residential	170m W	High / Medium	Although the receptor is upwind of the prevailing wind direction, it is in relatively close proximity at less than 250m of the Site. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.

Receptor	Type of Facility	Distance (m) & Direction from Site	Overall Exposure Level Without Mitigation	Comments
Fenton Street	Residential	198m SSW	High / Medium	Although the receptor is upwind of the prevailing wind direction, it is in relatively close proximity at less than 250m of the Site. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
Draycott Road	Residential	200m SSW	High / Medium	Although the receptor is upwind of the prevailing wind direction, it is in relatively close proximity at less than 250m of the Site. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
Waterfield Close	Residential	223m W	High / Medium	Although the receptor is upwind of the prevailing wind direction, it is in relatively close proximity at less than 250m of the Site. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
Commercial and Industrial				
Summit Crescent Industrial Estate	Industrial	78m NW	High	The receptor is in close proximity to the Site at less than 100m. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
DPD Group UK Ltd, Roebuck Lane, Smethwick, B66 1BY	Commercial	110m N	High	The receptor is downwind of the prevailing wind direction and in close proximity at a little over 100m distant. Therefore it is considered high risk to any odorous emission that is not mitigated by the Site. It is therefore important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
Smith Brothers Stores Ltd, Unit 4 Alpha Park, Bevan Way Smethwick, B66 1BZ	Commercial	135m NE	High / Medium	The receptor is downwind of the prevailing wind direction and is in relatively close proximity at less than 250m of the Site. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
PHS Wastekit, Unit 6 Alpha Industrial Park, Bevan Way, Smethwick, B66 1BZ	Industrial	138m NNE	High / Medium	The receptor is downwind of the prevailing wind direction and is in relatively close proximity at less than 250m of the Site. It is

Receptor	Type of Facility	Distance (m) & Direction from Site	Overall Exposure Level Without Mitigation	Comments
				important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
LA Metals Ltd, Roebuck Lane, Smethwick, B66 1BY	Industrial	210m NNE	High / Medium	The receptor is downwind of the prevailing wind direction and is in relatively close proximity at less than 250m of the Site. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
Hadley Group Holdings Ltd, Downing Street, Smethwick, B66 2PA	Industrial	226m E	High / Medium	The receptor is downwind of the prevailing wind direction and is in relatively close proximity at less than 250m of the Site. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
MEP Hire Ltd, Unit 1, Alpha Park, Bevan Way, Smethwick B66 1BZ	Industrial	240m NE	High / Medium	The receptor is downwind of the prevailing wind direction and is in relatively close proximity at less than 250m of the Site. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
REM3DY Health Ltd, Unit 2 Alpha Business Park, Bevan Way, Smethwick, B66 1BZ	Industrial	271m NE	Medium	Although the receptor is upwind of the prevailing wind direction, it is over 250m distance.
Railway				
Railway Line	Railway	44m N	High / Medium	Downwind of the prevailing wind direction. However, trains will quickly travel beyond the proximity of the Site, meaning exposure time is likely to be very short. Rail personnel maintaining the railway line in proximity to the Site would have longer periods of occupancy. Odour control and mitigation measures set out in this OMP will be implemented to minimise impacts on the railway and sensitive receptors.
Railway Line	Railway	74m S	High / Medium	Although the train station is upwind of the prevailing wind direction, staff working at and passengers using the station will be in close proximity to the Site. Therefore, it is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.

Receptor	Type of Facility	Distance (m) & Direction from Site	Overall Exposure Level Without Mitigation	Comments
Galton Bridge Railway Station	Railway Station	93m W	High / Medium	Although the train station is upwind of the prevailing wind direction, staff working at and passengers using the station will be in close proximity to the Site. Therefore, it is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
Surface Water				
Birmingham Canal	Canal	27m N	High / Medium	Users of the canal and people accessing the canal tow path will be inclose proximity to the Site, although typically for relatively short periods. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.
Birmingham Level Canal	Canal	40m S	High / Medium	Users of the canal and people accessing the canal tow path will be inclose proximity to the Site, although typically for relatively short periods. It is important that the odour control measures detailed in this OMP are implemented to control fugitive emissions from the Site.

4 WASTE ACCEPTANCE

4.1 PERMITTED WASTES

4.1.1 The list of permitted wastes at the Site is detailed in Table 2 below. The proposed variation does not include the requirement for any additional waste types. All waste will be accepted in accordance with the waste pre-acceptance and acceptance procedures detailed in Sections 4.2 and 4.3 below.

Table 2: List of Permitted Wastes

Waste Code	Description
01	**Waste resulting from exploration, mining, quarrying and physical and chemical treatment of minerals**
01 01	**Wastes from mineral excavation**
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	**Wastes from physical and chemical processing of metalliferous minerals**
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
01 04	**Wastes from physical and chemical processing of non-metalliferous minerals**
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 02 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY
02	**Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing**
02 01	**Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing**
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 07	wastes from forestry
02 01 10	waste metal
02 02	**Wastes from the preparation and processing of meat, fish and other foods of animal origin**
02 02 03	materials unsuitable for consumption of processing
02 03	Waste 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
02 03 04	materials unsuitable for consumption or processing
02 04	**Wastes from sugar processing**
02 04 01	soil from cleaning and washing beet

Waste Code	Description
02 04 02	off specification calcium carbonate
02 05	**Wastes from the dairy products industry**
02 05 01	materials unsuitable for consumption or processing
02 06	**Wastes from the baking and confectionery industry**
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 07	**Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**
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
03	**Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard**
03 01	**Wastes from wood processing and the production of panels and furniture**
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
03 03	**Wastes from pulp, paper and cardboard production and processing**
03 03 01	waste bark and wood
03 03	**Wastes from pulp, paper and cardboard production and processing**
03 03 01	waste bark and wood
03 03 07	mechanically separated rejects from pulping of wastepaper 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
04	**Wastes from the leather, fur and textile industries**
04 01	**Waste from the leather and fur industry**
04 01 08	waste from tanned leather (blue sheeting, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	**Waste from the textile industry**
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
06	**Wastes from inorganic chemical processes**
06 09	**Wastes from the manufacture, formulation, supply and use (MFSU) of phosphorous chemicals and phosphorus chemical processes**
06 09 02	phosphorus slag
06 09 04	calcium based reaction wastes other than those mentioned in 6 09 03
06 11	**Wastes from the manufacture of inorganic pigments and opacifiers**
06 11 01	Calcium based reaction wastes from titanium dioxide production
07	**Wastes from organic chemical processes**

Waste Code	Description
07 02	**Wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
07 02 13	waste plastic
09	**Wastes from the photographic industry**
09 01	**wastes from the photographic industry**
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
10	**Wastes from thermal processes**
10 01	**Wastes from power stations and other combustion plants (except 19)**
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
10 02	**Wastes from the iron and steel industry**
10 02 01	wastes from the processing of slag
10 02 02	unprocessed slag
10 02 08	solid waste from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	**Wastes from aluminium thermal metallurgy**
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 waste from gas treatment other than those mentioned in 10 03 23
10 03 26	sludges and 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
10 04	**Wastes from lead thermal metallurgy**
10 04 10	wastes from cooling water treatment other than those mentioned in 10 04 09
10 05	**Wastes from zinc thermal metallurgy**
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

Waste Code	Description
10 06	**Wastes from copper thermal metallurgy**
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
10 07	**Wastes from silver, gold and platinum thermal metallurgy**
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	sludges and filter cakes from gas treatment
10 07 08	wastes from cooling water treatment other than those mentioned in 10 07 07
10 08	**Wastes from other non-ferrous thermal metallurgy**
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	sludges and 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
10 09	**Wastes from casting of ferrous pieces**
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
10 10	**Wastes from casting of non-ferrous pieces**
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
10 11	**Wastes from manufacture of glass and glass products**
10 11 03	waste glass based fibrous material
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	sludges and filter cakes from flue gas treatment other than those mentioned in 10 11 17

Waste Code	Description
10 12	**Wastes from manufacture of ceramic goods, bricks, tiles and construction products**
10 12 01	waste preparation mixture before thermal processing
10 12 05	sludges and 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
10 13	**Wastes from manufacture of cement, lime and plaster and articles and products made from them**
10 13 01	waste preparation mixture before thermal processing
10 13 04	waste from calcination and hydration of lime
10 13 07	sludges and 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 and concrete sludge
11	**Wastes from chemical surface treatment and coating of metals and other materials**
11 01	**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)**
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 02	**Wastes from non-ferrous hydrometallurgical processes**
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
11 05	**Wastes from hot galvanising processes**
11 05 01	hard zinc
11 05 02	zinc ash
12	**Wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01	**Wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 01	ferrous metal filings and turnings
12 01 03	non-ferrous metal filings and turnings
12 01 05	plastic 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
15	**Waste packaging**
15 01	Packaging (including separately collected municipal packaging waste)
15 01 01	paper and cardboard packaging

Waste Code	Description
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 - Clean glass only
15 01 09	textile packaging
15 02	**Absorbents, filter materials, wiping cloths and protective clothing**
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	**Wastes not otherwise specified in the list**
16 01	**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)**
16 01 03	end-of-life tyres
16 02	**Wastes from electrical and electronic equipment**
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
16 03	**Off specification batches and unused products**
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
16 06	**Batteries and accumulators**
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
16 11	**Waste linings and refractories**
16 11 02	carbon based linings and refractories from metallurgical processes other 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 other than those mentioned in 16 11 05
17	**Construction and demolition wastes (including excavated soil from contaminated sites)**
17 01	**Concrete, bricks, tiles and ceramics**
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
17 02	**Wood, glass and plastic**
17 02 01	wood
17 02 02	clean glass only
17 02 03	plastic

Waste Code	Description
17 03	**Bituminous mixtures, coal tar and tarred products**
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	**Metals (including their alloys)**
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
17 05	**Soils (excluding soils from excavated sites), stones and dredgings**
17 05 04	soils and stones including chalk other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	**Insulation materials and asbestos-containing construction materials**
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 08	**Gypsum based construction material**
17 08 02	gypsum based construction materials other than those mentioned in 17 08 01
17 09	**Other construction and demolition wastes**
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	**Wastes from waste management facilities, off-site waste water treatment plants and preparation of water intended for human consumption/industrial use**
19 01	wastes from incineration or pyrolysis of waste
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
19 02	**Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
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
19 04	**Vitrified waste and wastes from vitrification**
19 04 01	vitrified waste
19 05	**Wastes from aerobic treatment of solid wastes**
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 (compost from source segregated biodegradable waste only)

Waste Code	Description
19 12	**Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
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 wastes (refuse derived fuel)
19 13	**Waste from soil and groundwater remediation**
19 13 02	Solid waste from soil and groundwater remediation other than those mentioned in 19 13 01
20	**Municipal wastes (household waste and similar commercial, industrial**
20 01	**Separately collected fractions**
20 01 01	paper and cardboard
20 01 02	clean glass only
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
20 02	**Garden and park wastes (including cemetery waste)**
20 02 01	biodegradable waste
20 02 02	soils and stones
20 03	**Other municipal wastes**
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street cleaning residues
20 03 07	bulky waste

4.1.2 All waste received at the Site shall be documented in accordance with all legal requirements including but not limited to the Environmental Permit, The Waste (England and Wales) Regulations 2011 and the Duty of Care. Non-hazardous waste movements will be in accordance with Waste Transfer Note or Season Ticket procedures.

4.2 WASTE PRE-ACCEPTANCE PROCEDURES

4.2.1 Waste producers are required to provide pre-acceptance documentation that includes details of:

- The waste description;
- The European Waste Classification (EWC) code;
- The source and nature of the waste, including its physical form;
- Any special handling measures;
- Any potential risks to process safety, occupational safety and the environment (e.g. from odour or dust);
- Details of the waste producer (name, address and contact details);
- Where the waste holder is not the producer, details of the waste holder (name, address and contact details);
- Information on the nature and variability of the waste production process and the waste;
- Age of the waste;
- Type of packaging;
- An estimate of the quantity to be received in each load and in a year.

4.2.2 Waste pre-acceptance details are checked by the Operator to make sure that only authorised wastes are delivered to the Site. Any non-permitted or unsuitable waste is rejected prior to delivery.

4.3 WASTE ACCEPTANCE PROCEDURES

4.3.1 All vehicles delivering wastes to the Site will stop at the weighbridge and will be weighed.

4.3.2 Checks will be made to confirm whether the haulier is a Registered Waste Carrier or has a valid exemption from registration. Only registered carriers or those who are lawfully exempt from registration will be permitted to use the Site.

4.3.3 Waste will not be accepted if for any reason there is insufficient storage capacity available or if the Site is inadequately manned. This is to ensure that all waste is managed effectively to prevent pollution or loss of amenity.

4.3.4 Site operatives are suitably trained and will follow documented procedures. The weighbridge operator will examine waste descriptions at the weighbridge and the information will be checked against the pre-acceptance documentation, six figure European Waste Catalogue Code(s) and other details on the Waste Transfer Note or Season Ticket and against the waste types permitted by the Environmental Permit.

4.3.5 Every delivery of waste will be recorded, detailing the date of the transaction, weight, waste type, registered carrier, Waste Transfer Note number, vehicle registration and other pertinent information against a unique reference number. It will allow for tracking of wastes, the generation of reports and

waste returns, as well as providing comprehensive, auditable information.

4.3.6 A banksman will instruct waste delivery drivers to the appropriate part of the Site for off-loading, according to the type of waste being delivered, to ensure materials are stored and processed separately.

4.3.7 A visual inspection of the contents of all waste loads, including those received in enclosed containers, will be made during deposit.

4.3.8 Any discrepancies found as a result of the checks detailed above will result in the vehicle being detained whilst some, or all, of the following supplementary management decisions are taken:

- Referral to a Technically Competent Person (TCP) on site;
- Referral to the waste producer to confirm the nature of the waste load;
- Referral to the waste carrier's base;
- Referral to the Environment Agency;
- Redirection of delivery vehicle off site, to a suitably authorised facility; and
- If the waste has been discharged, removal of the waste to the secure quarantine area, prior to off-site removal either to the waste producer or suitably authorised facility.

4.4 NON-CONFORMING WASTES

4.4.1 Any loads which contain non-permitted wastes shall be rejected prior to delivery or unloading. In the event that non-permitted waste has been inadvertently deposited and the delivery vehicle has left the Site, it will be temporarily stored in the quarantine area or inside a sealed skip, pending its removal to the waste producer or an authorised facility.

4.4.2 Material rejected from the Site shall be issued with a record stating why, when and from which contract it was provided. This record shall be held on Site for the Environment Agency to inspect.

4.4.3 A Waste Transfer Note will be raised for any load of non-permitted, non-hazardous waste that has been inadvertently deposited on site and requires removal where the delivery vehicle has already left the Site. In the unlikely event that any inadvertently deposited hazardous waste requires removal, a Hazardous Waste Consignment Note will be raised for the transfer.

4.4.4 The Operator will ensure that any non-permitted wastes requiring removal from the Site will be transferred by a Registered Waste Carrier to a facility authorised to receive such wastes.

4.4.5 Small amounts of contrary material present shall be removed by hand or machine and temporarily stored in the quarantine skip. Material in quarantine shall be removed from site to a suitably permitted facility, capable of dealing with the waste types.

5 WASTE STORAGE

5.1.1 Wastes will arise predominantly from inert and non-hazardous general skip waste from municipal, commercial and industrial sources.

5.1.2 Waste storage and processing areas will comprise:

- A new 3-sided roofed building with concrete base and fitted with 7 No fireproof concrete bays for the storage of incoming general skip waste, wood, mixed construction waste, soil and stones, trommel fines and a quarantine bay
- 6 No bays below the existing picking station, used for the storage of separated cardboard, plastics, plasterboard, general waste, wood and scrap metal for recycling. The picking station building is roofed and comprises an impermeable concrete base;
- An external yard area comprising engineered concrete surface, used for the storage and bulking up of inert hardcore wastes;
- Mobile plant (currently comprising 3 No skip vehicles, 2 No roll-on-off hook-lift vehicles, 2 No 360° excavators, 2 No loading shovels);
- A quarantine area for the inadvertent storage of non-permitted waste;
- Crushwer/screener;
- Empty skip storage area;
- A weighbridge.

5.1.3 All materials are inspected to ensure that they are fit for purpose for the intended use. Processed materials are stored in separate dedicated bays, prior to being loaded and sheeted for removal from the Site. Materials are transferred off site in accordance with the Duty of Care.

6 WASTE TREATMENT

6.1.1 Incoming skips of general wastes that have been approved following the pre-acceptance procedures, acceptance procedures and initial visual inspection detailed above are currently deposited in a designated tipping area on the external concrete yard, where they are subject to further visual inspection, with the removal of any unauthorised or otherwise unsuitable materials to a quarantine skip.

6.1.2 Authorised wastes are transferred by 360° excavator from the tipping area into the trommel hopper, which feeds the trommel. The trommel rotates and screens the materials into a fine fraction and a larger fraction. The fine fraction is gravity fed into an engineered 3-sided bay immediately beneath the trommel, whereas the larger fraction is transferred from the trommel to an inclined conveyor, which feeds a horizontal conveyor that conveys materials to the picking station. The picking station staff separate and sort the wastes into cardboard, plastics, plasterboard, general waste, wood and scrap metal. The site operatives place the separated recyclables into one of 6 No chutes, which each gravity feeds the materials into a dedicated, engineered storage bay beneath the picking station for bulking up and recycling.

6.1.3 The inclined conveyor, horizontal conveyor and picking station are located in the existing roofed building. The trommel hopper and trommel will be located in the new building (along with 7 No waste storage bays). This will ensure that all general wastes will be tipped, stored and processed in roofed buildings.

7 ODOUR RISK ASSESSMENT

7.1.1 An Odour Risk Assessment has been prepared for the Site (see below). Odour Control Measures are detailed in Section 8 below.

7.1.2 It is important to note that the Site has no history of odour complaints or odour incidents and was first permitted and operated in October 2006.

Hazard	Receptor	Pathway	Risk Management	Probability of Exposure	Consequence	What is the Overall Risk
Odour						
Odour from waste delivery, off-loading and storage and processing inside the building.	The nearest residential properties to the Site are located on: - Great Arthur Street, circa 85m east of the facility; - Holly Lane, circa 143m south of the facility; - Forest Close, circa 170m west of the facility; - Fenton Street, circa 198m south southwest of the facility; - Draycott Road, circa 200m south southwest of the facility; and - Waterfield Close, circa 223m west. Nearby industrial premises. The nearest are circa 78m northwest of the Site on the Summit Crescent Industrial Estate. Other industrial and commercial properties	Air	Detailed waste pre-acceptance procedures will be used to ensure that significantly or highly odorous wastes or putrescible materials such as kitchen and canteen wastes or wastes from the food industry, fishing or agriculture are rejected prior to delivery and are not accepted. The Site does not accept these types of wastes. In addition, the Site does not accept black bag waste from kerbside collections from domestic dwellings etc. Wastes that are approved for delivery following the pre-acceptance and acceptance checks will be delivered to the Site and deposited inside the appropriate waste storage bay inside the new building. All wastes will be visually inspected on deposit. Any inadvertently deposited wastes that are odorous or inherently dusty will be placed in a sealed and lidded quarantine skip for urgent removal off-site to an authorised facility. The Site operates on a fast turnover basis so that wastes are typically stored, processed and dispatched to off-site customers within 7 days of receipt. Wastes are processed on a first in first out basis to ensure that materials are not allowed to accumulate over time and become potentially odorous. As part of the first in first out policy, care will be taken to ensure that when a waste storage bay is emptied, the corners are swept out and cleared, so that all materials are removed and do not accumulate and become potentially odorous. Additional sweeping and cleaning will take place if noticeable waste, dust or fluff accumulation is present or if there is the potential for associated emissions from the Site. In the unlikely event that significant odour is detected or a complaint is received about odour, it will be monitored and logged in accordance with the Environmental Management	Unlikely as the site has no history of odour complaints and does not accept putrescible wastes such as kitchen and canteen wastes or wastes from the food industry, fishing or agriculture etc.	Odour annoyance to anyone living or working close to the Site.	Low

Hazard	Receptor	Pathway	Risk Management	Probability of Exposure	Consequence	What is the Overall Risk
	are located circa 110m north of the Site off Roebuck Lane and circa 135m northeast of the facility off Bevan Way.		System procedures in place. Mitigation measures will be implemented, as appropriate, to ensure a high level of control. A detailed Odour Management Plan has been prepared for the site.			
Odour from recovered materials, prior to off-Site dispatch.	See above. Residential, industrial and commercial properties in the vicinity of the Site.	Air	See above.	Unlikely, see above.	Odour annoyance to anyone living or working close to the Site.	Low
Odour from oil storage tank.	See above. Residential, industrial, commercial properties.	Air	Any fuels or oils stored on Site, e.g. for use in mobile plant, will be stored in dedicated tanks or containers. These will be either double skinned tanks or located in an impermeable bunded area, with a capacity of at least 110% of the largest tank's contents. The use of enclosed containers or tanks will prevent the escape of leaks and odours. Notwithstanding the above, the Operator will undertake daily olfactory monitoring at the Site boundary and if odour is detected at levels that may cause a nuisance, the incident will be investigated and any actions necessary discussed with the Environment Agency and implemented as a priority.	Unlikely as emission from the tank or containers would be minimal.	Odour annoyance to anyone living or working close to the Site.	Very Low

8 ODOUR CONTROL MEASURES

8.1 BACKGROUND

8.1.1 The odour controls set out in the sections below will be used as the 'appropriate measures' to minimise and, wherever possible, prevent odour associated with operations at the Site.

8.2 WASTE TYPES

8.2.1 The Site is not authorised to accept inherently odorous waste types such as 20 01 08 biodegradable kitchen and canteen waste, 02 02 02 animal-tissue waste, sewage sludge or manure, fish processing wastes etc. These waste types will not be accepted.

8.2.2 The Site is authorised to accept EWC Codes 20 02 01 'biodegradable wastes from parks and gardens' and 20 03 01 'mixed municipal wastes', which have the potential to generate odour if they are stored for a prolonged period of time and allowed to degrade.

8.2.3 The first in first out policy at the Site and the rapid turnover of wastes, together with the housekeeping measures specified in Section 8.13 below, ensures suitable odour control and there is no history of odour nuisance or odour complaints at the facility.

8.3 WASTE ACCEPTANCE PROCEDURES

8.3.1 The waste acceptance procedures detailed in Sections 4.2 and 4.3 above will be the initial method of preventing any potentially odorous loads being accepted at Site. The requirements for waste producers to provide pre-acceptance documentation that includes identification of any potential risks to the environment, including from odorous materials, will help to identify any potential loads that should be rejected from the Site prior to delivery.

8.4 WASTE STORAGE AND PROCESSING

8.4.1 The Site operates on a first in first out basis to ensure that wastes are received, processed and dispatched typically within 7 days. The fast turnaround time of wastes on site ensures that materials are not stored for an extended period of time before processing and dispatch off-site to authorised facilities.

8.4.2 Housekeeping measures include daily sweeping during the course of the working day and at the end of the working day to ensure the Site is clean and tidy. The corners of the waste storage bays and processing areas are swept and cleaned as a minimum every 7 days, although durations are typically shorter.

8.4.3 The purpose of the sweeping and cleaning is to ensure all wastes and debris are removed and the potential for residual materials to accumulate over time and become odorous is minimised.

8.4.4 Checks are made during inspections by the Site Manager or, in his absence, company Director, Technically Competent Person or other suitably trained person to ensure all waste storage areas are emptied and cleared completely and that all materials are processed and dispatched from the Site and are not allowed to accumulate over extended periods of time, which minimises the risks of any

wastes becoming odorous.

8.4.5 Additional sweeping and cleaning will take place:

- During periods of dry weather;
- During daily site inspections if noticeable odour is present or if there is the potential for odour emissions from the Site.

8.4.6 In the event that circumstances beyond the control of the Operator (such as the breakdown of critical plant on site or the closure and general non-availability of sites that the recycled and processed materials are typically sent to) result in the quantity of waste building up to levels approaching the maximum authorised in the permit, alternative authorised facilities will be sought as a matter of urgency to ensure that waste levels are quickly controlled and materials do not give rise to odorous emissions.

8.5 MATERIAL EXPORTED OFF-SITE

8.5.1 All recycled and dispatched materials from the Site will be in suitably sheeted vehicles or in enclosed containers to control the potential for fugitive emissions during transfer off site.

8.5.2 Material rejected from the Site will be issued with a record stating why, when and from which contract the waste was provided. This record is held on Site for the Environment Agency to inspect.

8.6 PLANNED TEMPORARY ODOROUS ACTIVITIES

8.6.1 In the unlikely event that it is necessary to complete planned temporary activities at the Site that have an associated high risk of off-site odour impact (e.g. plant refurbishment or removal of odorous unauthorised waste from the Site), the Site Manager, company Director or other suitably trained person will ensure that the Environment Agency and any local public liaison group representatives are contacted before such actions commence to advise them of:

- The operation being undertaken;
- The reason(s) for doing so;
- Planned additional odour mitigation measures; and
- Timescales for completion.

8.6.2 Consideration shall be given to the prevailing weather conditions when undertaking such activities in order to minimise any potential off-site odour impact. If the weather conditions are likely to lead to odour issues (e.g. if the wind direction is towards the nearest residential receptors) the work will be postponed until conditions are favourable. The exception to this is where it is essential to complete works that day in order to minimise emissions from the Site or to prevent another emission or accident (for example unblocking a drain which may cause odour but prevent flooding or water pollution). In these exceptions control measures will be deployed to minimise the risk, for example the use of a temporary odour treatment spray.

8.6.3 Weekly checks will be made on weather conditions by the Site Manager using Meteorological Office

predictions and recordings of local weather data (https://weather.metoffice.gov.uk/) to allow forward planning.

8.6.4 Unplanned temporary odorous activities (e.g. in the event of a site emergency) will be addressed in accordance with the Odour Action Plan set out below.

8.7 PLANT MAINTENANCE

8.7.1 Site infrastructure and plant will be inspected regularly for damage and wear by the Site Manager or other suitably trained person. Records of these checks will be maintained. All maintenance on the plant is programmed into the company's Planned Preventative Maintenance (PPM) system which generates work orders for up-coming maintenance and logs when that maintenance has been completed.

8.7.2 Trained maintenance staff can be called on to effect plant repairs quickly where required. Typically plant repairs can be undertaken within one working day, depending on the availability of spares.

8.8 TRAINING

8.8.1 All site personnel working at the facility will be subject to a formal documented training programme in accordance with the Operator's procedures and EMS. Matters relating to this OMP, the control of odour and the prevention of any odorous emissions from the Site form part of this core training programme for all individuals. Additional training is also provided for personnel required to complete subjective olfactory monitoring.

8.9 COMMUNITY LIAISON

8.9.1 A1 Sandwell Skips Ltd operates an open-door policy and members of the public are welcome to contact the Site to discuss any issues with the site management team. Prior arrangement will be made with site personnel, where possible, for any site visit that may be required.

8.9.2 Site contact details and 24 hours contact number are shown on the Company website. Direct feedback to site is encouraged at all times in relation to any perceived issues associated with operational activities.

8.10 CONTINGENCY ARRANGEMENTS

8.10.1 Contingency arrangements are available at short notice to divert incoming waste loads or transfer wastes already received at the Site to other suitably authorised facilities should the need arise.

8.10.2 Incidents that may cause contingency arrangements to be implemented include:

- Extreme weather that prevents vehicles or staff safely reaching the Site or compromises the operational efficiency of the facility;
- If the Site reaches a capacity where further waste loads cannot be received without compromising operational efficiency or compliance with the Environmental Permit;
- Identification of a waste load that is unacceptable for receipt or may cause odour emissions

that cannot be adequately controlled;

- Any major incidents such as fire or flooding which prevent or compromise the safe and efficient operation of the Site.

8.10.3 The requirement to implement contingency measures is only likely to arise infrequently, if at all. However, contingency arrangements will be maintained throughout the life of the Site as a necessary safeguard.

8.11 EMERGENCY

8.11.1 In the event of a site emergency, the Site Manager and company Director will be notified without delay. The emergency measures will be implemented as a priority to mitigate the incident, as appropriate.

8.12 SITE INSPECTIONS

8.12.1 The Site Manager (or during his absence for leave etc, the company Director, Technically Competent Person or other suitably trained person) will undertake both daily and weekly inspections of the Site. The daily inspections will include the waste storage and processing areas. The weekly inspections will be recorded and include the external perimeter area of the Site.

8.12.2 Monthly management meetings will include a review of current and planned site operations with respect to their potential for generating odour or any odorous emissions. Identified actions arising from the meetings and responsibilities for their completion will be recorded.

8.13 HOUSEKEEPING

8.13.1 The Operator will ensure efficient and regular housekeeping are used to maintain the Site in a tidy condition and minimise any risks of dust, litter or odour escaping the Site boundary.

8.13.2 The use of first in first out principles will ensure the Site operates a rapid turnover of waste materials and that the waste bays are emptied frequently so that all materials are removed and the bays are totally emptied (including the corners of the bay). This prevents the potential for any build-up of dust or odour and ensures that all materials are rapidly removed.

8.13.3 Site cleaning procedures include sweeping out the bays, including the corners, to ensure all material is removed and potentially odorous residues do not remain in-situ.

8.13.4 Typically, the Site will be swept during the course of the working day and at the end of the working day to ensure the facility is left clean and tidy both during and outside of operational hours. Site sweeping will be carried out by site operatives under the supervision of the Site Manager, company Director or other suitably trained person.

8.13.5 The trigger for additional sweeping and cleaning will be during periods of dry weather, which may give rise to dusty conditions, during daily site inspections if noticeable dust, litter or debris accumulation is present.

8.13.6 It is important to note that all the Site surfaces comprise concrete and engineered pavement and

there is no requirement for vehicles to drive over unmade roads or surfaces or for wastes to be stored and processed on unmade land.

8.13.7 In the unlikely event that mud or dust is identified as an ongoing issue a road sweeper can be sourced from a local supplier.

8.13.8 In the event that circumstances beyond the control of the Operator (such as the breakdown of critical plant on site or the closure and general non-availability of sites that the recycled and recovered materials are typically sent to) result in the quantity of waste building up to levels approaching the maximum authorised in the permit, alternative authorised facilities will be sought as a matter of urgency to ensure that waste levels are quickly controlled and materials do not give rise to fugitive emissions off site.

8.13.9 All wastes are dispatched from the Site in suitably enclosed or sheeted vehicles to authorised facilities in accordance with the Duty of Care and Waste Transfer Note / Season Ticket procedure.

9 FACILITY ODOUR MONITORING

9.1 METEOROLOGICAL CONDITIONS

9.1.1 The predominant wind direction at the Site is from the south (see Section 2.1, Figures 1 and 2). Weekly checks will be made on weather conditions to allow forward planning. However, daily observations of weather conditions, including wind speed, direction and temperature will also be checked so that site operations can be rearranged to adapt to changing conditions and any meteorological conditions identified that may cause poor dispersion in the atmosphere (e.g. temperature inversion events, which can result in still air and a reduction in atmospheric dilution rates in the immediate locality).

9.1.2 With a number of receptors around the Site the emphasis will be on controlling odour by good housekeeping rather than closing the facility on windy days.

9.1.3 In promoting proactive management of the risks arising at the Site, the Site Manager, company Director or other suitably trained person will review the forecast of local meteorological conditions at the start of each working week; with the details of these conditions being used to assess against proposed activities for the period. Key data to assist the Site Manager and company Director will be the assessment of wind speed, wind direction and potential atmospheric pressure changes. This will enable potential odour issues to be predicted and appropriate or necessary remedial action to be implemented.

9.2 SUBJECTIVE ODOUR SURVEYS

9.2.1 All site personnel are responsible for reporting any odour problems immediately to the Site Manager or company Director.

9.2.2 A suitably trained site operative undertakes a routine inspection of the Site boundary every working day, with any relevant observations recorded and retained on-site. If odour is detected beyond the Site boundary, the matter will be treated as a priority incident and reported to the Site Manager or company Director for further investigation and mitigation.

9.2.3 The Site Manager or company Director will check to ensure that the above inspections are made of the Site boundary during operational periods in order to establish whether any significant odours are discernible. The frequency will be increased in the unlikely event that significant odour is detected at the boundary or an odour complaint is received. The increased frequency will continue until any odour is suitably mitigated and levels have been reduced.

10 ODOUR ACTION PLAN

10.1 ODOUR COMPLAINT INVESTIGATION

10.1.1 The following actions will be taken on receipt of an external odour complaint:

- The person receiving the complaint at the Site will immediately record the key details, initiating the investigation process. Details will be entered on an odour complaint report form (see Complaint Form below). The form sets out the key information that should be recorded at this time in order to facilitate further suitable investigation.
- Site Manager or company Director or other suitably trained person will be informed of the odour complaint as soon as possible, including the location, time and date of the complaint being lodged (where available).

Complaints Form	
Who made the complaint?	
Name:	
Address:	
Phone No:	
Date and time of complaint	
What caused it?	
Was anyone else aware of this? If so who	

What was the source of the problem, what went wrong? If source is unknown contact a suitably qualified person to investigate.	
What have you done to make sure it won't happen again?	
Was there any significant pollution – for example oil entering a surface water drain?	
If there was then you must notify the EA Have you done so? You must also notify the local EA Office via email or letter.	Yes/No/not applicable Date and Time: EA Incident number:
Please print name and sign:	

10.1.2 In recognising that odour can be transient and short-lived, timely notification of odour complaints directly from the complainant or the Environment Agency is imperative to allow for appropriate investigation. If the odour complaint occurs more than 12 hours before notification is provided to the Operator, it may not be possible to substantiate the complaint or pinpoint the cause. The Operator will, however, contact the complainant where possible, review any operations at the time which had the potential to generate odour and complete and record a comprehensive complaint investigation. For complaints received within 12 hours of the incident the following actions will be undertaken:

- The Site Manager, company Director or other suitably trained person will visit the complaint location as soon as possible, with the aim of undertaking monitoring within 2 hours if this is possible within the working day. The Site Manager, company Director or other suitably trained person will subjectively determine odour presence or absence. Opportunities to meet the complainant to discuss the matter directly will be pursued, wherever possible.
- If an odour is present, the key 'FIDOR' criteria will be assessed at the complaint location, as follows:
    - **Frequency** – is the odour intermittent or persistent; is there a history of complaints at this location?
    - **Intensity** – is the odour faint, moderate, strong, or very strong?
    - **Duration** – how long is the odour present at this location?

- **Offensiveness** – provide a description of the odour; is it high, moderate, or low offensiveness?
- **Receptor sensitivity** – is the odour present at a remote or highly sensitive location; is the odour plume localised or widespread?

10.1.3 The Site Manager, company Director or other suitably trained person will subsequently undertake the following further assessment process:

- Review of the operations at the Site prior to and at the time of the complaint;
- Review of the environmental control systems prior to and at the time of the complaint;
- Review of the meteorological conditions (wind speed, wind direction, rainfall, atmospheric pressure) prior to and at the time of the complaint – to establish whether a pathway can be established between the Site and the complainant;
- Review of any previous complaint history at the location identified (currently there is no recorded odour complaint history associated with the Site).

10.1.4 The odour complaint will be substantiated (or otherwise) by the Site Manager, company Director or other suitably trained person in accordance with the following (in order of priority):

(I) The Environment Agency has visited the complaint location and has provided confirmation that the odour exists, is significant, and is attributable to the facility;

(ii) The Site Manager, company Director or other suitably trained person has visited the complaint location and has provided confirmation that the odour exists, is significant (see FIDOR assessment, above) and is attributable to the facility.

10.1.5 The Operator will contact the Environment Agency to discuss any major incident as soon as possible following receipt of the complaint details, allowing sufficient time for the above investigation to be completed, and within a maximum target response period of 24 hours from complaint receipt. If the necessary contact details are available and direct feedback has been requested, the Operator will also contact the complainant directly to discuss the issue, the findings of the subsequent investigation, and any actions arising.

10.1.6 Once actions have been completed the Site Manager, company Director or other suitably trained person will visit the complaint location to ensure that the odour has subsided.

10.1.7 Under the Operator's complaints procedure any necessary action must be identified and a timetable for implementation agreed. If necessary, particular operations will be suspended whilst remedial measures are put in place. Where procedures are changed, this OMP will be formally updated and the changes will be notified to all relevant staff. Records are kept and audited to ensure that these actions are followed up.

10.1.8 Any amendments to the OMP will be notified to the Environment Agency. Where immediate implementation is required to prevent or reduce odorous emissions, the Environment Agency will be contacted by telephone.

10.2 NON-CONFORMANCES

10.2.1 Odour 'non-conformances' may be determined at the Site as follows:

- Receipt of an odour complaint that is clearly attributable to the facility;
- Detection of significant / offensive odour beyond the Site boundary during routine odour surveys that relates specifically to site operations;
- Damage to or failure of on-site environmental control infrastructure.

10.2.2 In the event that any of the above odour 'non-conformances' are determined at the Site, the actions detailed below will be undertaken.

10.3 RESPONSIBLE PERSON(S):

10.3.1 The Operator's primary point of contact will be the Site Manager for all matters associated with site operations and environmental performance. In the event that the Site Manager is unavailable or non-contactable, the contingency management staff to be contacted will be as follows:

- First call to: Site Manager
- Thereafter: Company Director
- Thereafter: Other suitably trained person.

10.3.2 The Site Manager, company Director or other suitably trained person will undertake a site investigation in order to determine the likely cause(s) of the off-site odour.

10.3.3 The site investigation will incorporate detailed assessment of the site infrastructure and waste operations against the specific requirements of the facility odour controls set out above, to determine any diversion away from 'normal' site operating conditions.

10.3.4 Key items for consideration will be as follows:

- Material inputs – change in waste type, volume, odour characteristics;
- Mechanical breakdown – e.g. blocked drains, delays in waste handling;
- Procedural failure (human error);
- Short-term abnormal weather patterns – wind direction, temperature, inversions, etc;
- Abnormal operating conditions – temporary odorous activities.

10.3.5 Upon identification of the likely odour source(s), the appropriate corrective and preventative measures will be identified and implemented under the direction of the Site Manager or company Director or other suitably trained person. Additional support and technical expertise will be provided by internal / external technical specialists, as required.

10.3.6 Where necessary, this OMP requirements will also be reviewed in order to ensure they continue to represent 'all appropriate measures'.

10.4 TIMESCALES

10.4.1 In the event that it proves impracticable to carry out adequate remedial measures within one working day, the Site Manager or company Director or other suitably trained person will notify and agree with the Environment Agency the proposed actions and the timescales for their completion as a programme of works.

10.5 RECORDS

10.5.1 Details of odour 'non-conformances' including subsequent investigations, timescales and remedial measures taken, and notifications of the relevant internal and external bodies will be recorded.

10.5.2 All odour complaints received at the Site will be recorded on a Complaint Form (see above). Analysis of the site operations at the time of the complaint, proximity and location of the complainant, assessment of other third-party odour sources in the area, date and time will be recorded.

10.6 ADDITIONAL SUPPORTIVE ODOUR MONITORING

10.6.1 Where an odour issue is identified the requirement for (and frequency of) additional supportive odour monitoring will be identified, taking into consideration any comments from the Environment Agency. This may include, but not be limited to:

- Additional on-site subjective odour inspections;
- Additional site perimeter subjective odour inspections;
- Additional off-site subjective odour inspections.

11 DOCUMENT AUDIT AND REVIEW

11.1 REVIEW REQUIREMENT AND TIMESCALE

11.1.1 This OMP will be formally reviewed by the Operator at annual intervals or in the event of a substantiated odour incident in order to ensure the stated management controls and conditions continue to reflect best available techniques and the operational requirements/sensitivities at the Site, which may change over time.

11.1.2 An updated copy of this OMP will be submitted to the Environment Agency following review, as required. Where the Operator recognises the requirement for the immediate implementation of changes to this OMP to prevent or reduce significant odorous emissions, measures will put in place to prevent any pollution or harm.

11.2 AUDIT

11.2.1 The processes described in this document will be audited in accordance with the Operator`s auditing procedures. Audit reports will be maintained at the site office or other secure location off-site.

11.3 REVIEW AND PLAN UPDATE

11.3.1 This OMP sets out the appropriate measures the Operator will undertake in controlling any odorous or potentially odorous activities from the facility. If, on review of the performance of the facility, the Operator and/or the Environment Agency propose to seek revision of this plan, then the following course of action will be undertaken by both parties:

(I) In potentially critical circumstances where the Operator recognises the requirement for the immediate implementation of changes to the OMP to prevent or reduce significant odorous emissions, these changes will be discussed with the Environment Agency without delay but may be actioned by the Operator, as necessary.

(ii) Where the Operator proposes changes to this OMP that involve a more strategic and/or phased approach rather than a need for immediate implementation, a formal proposal will be submitted by the Operator to the Environment Agency setting out the specific issues arising from document review, and the options/issues requiring the Operator's further attention following Environment Agency approval. The agreed required changes will then form the future 'appropriate measures' for the Site with regard to odour management and control.

11.3.2 Where any changes to the OMP are proposed by the Environment Agency, these will be discussed with the Operator setting out the Environment Agency's clear expectation from the changes, in addition to timescales for their implementation. It is recognised that these changes may range from matters that require immediate implementation to those that may be implemented over an extended timeframe. In each case, the required changes will be agreed and implemented. The Operator will (wherever possible) undertake the identified changes in accordance with the timescales proposed for the work, at which point the updated 'appropriate measures' will take effect.