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WALSALL COUNCIL

MIDDLEMORE LANE WTS AND HWRC

NON-TECHNICAL SUMMARY

JUNE 2024

DATE ISSUED: JUNE 2024
JOB NUMBER: BR10255
REPORT NUMBER: 0005/001
VERSION: V1.0
STATUS: FINAL

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DRAWINGS	TITLE	
BR10255-002	Proposed Permit Boundary	1:500@A0

1 INTRODUCTION

- 1.1.1 Wardell Armstrong LLP has been appointed to prepare an environmental permit application for Walsall Council (The Council). This report provides a non-technical summary of the activities expected to take place on site.
- 1.1.2 The Council proposes to develop and operate a combined Waste Transfer Station (WTS) and Household Waste Recycling Centre (including trade recycling scheme) on its site off Middlemore Lane, Walsall.
- 1.1.3 The site is located north of Middlemore Lane on the former McKechnie Brass Limited factory. It is bounded to the north by Daw End Branch canal, south by Middlemore Lane, west by Dumblederry Lane and existing commercial premises. Section 2 provides the site setting and nearby receptors.
- 1.1.4 The WTS will accept up to 125,000 tonnes per year of non-hazardous household, commercial and industrial waste, and the HWRC will accept up to 55,000 tonnes per year of hazardous and non-hazardous household and similar commercial and industrial waste. Treatment of wastes will be limited to manual sorting, separation or compaction. Section 3 provides further details of the permitted activities.
- 1.1.5 The environmental permit application has been developed to demonstrate that the site will be operated in accordance with relevant legislation and EA guidance. Section 4 outlines the documents provided in support of the permit application.
- 1.1.6 There will be two point-source emissions to air from the WTS building associated with the exhaust of the ventilation and air treatment system.
- 1.1.7 The Council will ensure that environmental control measures are in place to prevent pollution beyond the permit boundary, including odour, dust, noise, litter, pests and other fugitive emissions. Section 5 summarises the control measures in place and confirms that these are appropriate to protect human health and the environment, as evidenced by the supporting risk assessments and management plans.

2 SITE SETTING

- 2.1.1 The HWRC and WTS site is located on Middlemore Lane, Aldridge, northeast of Walsall. The nearest postcode is WS9 8DL, centred around grid reference NGR SK 04914 00815. A site layout plan, development boundary and permit boundary (shown in green) are shown on drawing BR10255-002.
- 2.1.2 The site sits on an industrial estate, with the surrounding area to the north and west predominantly industrial and commercial units. The east and south of the site is predominantly residential. The nearest residential property is located approximately 170m northeast of the Site on The Briars cul de sac. There is a field located 90m east of the site currently used for sports recreation purposes.
- 2.1.3 A number of designated habitat receptors have also been identified within 2km of the site. To the north, Stubbers Green Bog SSSI is located 630m from the permit boundary, Swan Pool & The Swag SSSI is a distance of 1,200m and Jockey Fields is 1,800m from the site. Local Nature Reserves (LNR) Hay Head Wood, and Cuckoo's Nook and the Dingle are located 1,600m and 1,650m south of the site, respectively, each containing areas of designated ancient woodland. Park Lime Pits LNR is located approximately 1,600m west of the permit boundary. Further ancient woodland is located approximately 750m northeast at Leigh's Wood. There are no further designated habitats or European sites within 2km of the permit boundary.

3 PERMITTED ACTIVITIES ON SITE

- 3.1.1 The WTS will accept up to 125,000 tonnes per year of non-hazardous household, commercial and industrial waste, and the HWRC will accept up to 55,000 tonnes per year of household and similar commercial and industrial waste, including hazardous wastes.
- 3.1.2 The WTS will accept wastes collected through the Council's services. This will primarily consist of household waste collections, with secondary streams from grounds maintenance and street sweepings services. Household waste streams will be mixed residual waste (black bin waste), garden waste, mixed dry recycling waste and material collected through bulky waste collections. The facility has been designed with capacity and capability to accept future segregated waste streams, for example food waste.
- 3.1.3 The HWRC will be located in the east of the site, and a small traders' scheme, offering disposal and recycling options for small businesses will be located to the south of the WTS, each accepting mixed household waste types (and similar commercial and industrial wastes) aligned with those permitted in Standard Rules SR2015 No20 75kte. A re-use shop (not forming part of the permitted activities) will also be located on the approach to the HWRC for refurbishment or immediate re-use of suitable unwanted furniture, bric-a-brac, toys, bicycles and electrical items.
- 3.1.4 The activities to be undertaken at the site under the regulations will largely align with Standard Rules SR2015 No4_75kte and Standard rules SR2015 No20_75kte at the WTS and HWRC respectively. The differences are in the waste quantities for the WTS and additional waste codes for non-hazardous health care wastes and animal carcasses. These arise from the Council's separate waste collection and road cleaning services. The activities are as set out in Table 3:1, below.

Table 3:1 Permitted Activities	
Listed Activities	Limits of activities
Transfer Station	
D15: 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 sorting or manual separation of waste into different components for disposal, (no more than 50 tonnes per day) or recovery.
R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	
D14: Repackaging prior to submission to any of the operations numbered D1 to 13	No more than a total of 50 tonnes of intact and shredded waste vehicle tyres (waste

Table 3:1 Permitted Activities	
Listed Activities	Limits of activities
Transfer Station	
<p>D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R4: Recycling/reclamation of metals and metal compounds</p> <p>R5: Recycling/reclamation of other inorganic materials</p>	<p>codes 16 01 03 and 19 12 04) shall be stored at the site.</p>
Civic Amenity Site (including small trader scheme)	
<p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>D14: Repackaging prior to submission to any of the operations numbered D1 to 13</p> <p>D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R4: Recycling/reclamation of metals and metal compounds</p> <p>R5: Recycling/reclamation of other inorganic materials</p>	<p>The maximum quantity of hazardous waste and waste oils (in aggregate) that can be accepted, stored or treated at the site in connection with a disposal operation shall not exceed 10 tonnes per day.</p> <p>Treatment consisting only of manual sorting or compaction of waste into different components for disposal, (no more than 50 tonnes per day) or recovery.</p> <p>There shall be no treatment of asbestos waste.</p> <p>No more than 1 tonne of intact waste vehicle tyres (waste code 16 01 03) shall be stored at the site.</p>

- 3.2.1 Full details of the site operations and waste types to be accepted are provided in the Operating Techniques document supporting this application.
- 3.2.2 There will be two point-source emissions to air from the WTS building associated with the exhaust of the ventilation and air treatment system, which will be designed to remove and abate odour and dust originating from within the building. There are no further point-source emissions to land, air and/or water.

4 APPLICATION FOR A BESPOKE WASTE OPERATION

4.1.1 The environmental permit application has been developed to demonstrate that the site will be operated in accordance with relevant legislation and EA guidance, including *Non-hazardous and inert waste: appropriate measures for permitted facilities*.

4.1.2 The permit application includes the following supporting documents:

- completed application forms;
- an Operating Techniques report;
- an Odour Management Plan;
- a Dust Management Plan;
- a Fire Prevention Plan;
- an Accident and Amenity Risk Assessment;
- a Habitats Risk Assessment; and
- site layout and drainage drawings.

5 ENVIRONMENTAL CONTROL MEASURES

- 5.1.1 The main risk from the proposed activities to local receptors will be odour, dust, noise, pests and litter. An Environmental Accident and Amenity and Habitats Risk Assessment has been undertaken, demonstrating that the environmental controls employed at the site will be effective in eliminating unacceptable risk of emissions to nearby receptors.
- 5.1.2 A Dust Management Plan and Odour Management Plan are provided in support of the application, and will be regularly reviewed and updates in accordance with the EMS. The site has been designed to provide environmental protection for land, water and air. Potential hazards that could cause harm are subject to strict preventative or control measures to ensure that all risks are minimised, as set out in the supporting Operating Techniques document.
- 5.1.3 Two point-source emission to air will originate from the air extraction systems located on the Waste Transfer Station building. Each abatement system will include dust abatement designed to reduce emissions of dust to $<5\text{mg/m}^3$, and carbon filtration to remove odours. There are no further point-source emissions proposed from the site.
- 5.1.4 All waste in the HWRC and small trader's scheme will be confined within containers to prevent contaminated run-off. The WTS building and external bays benefit from impermeable surfacing draining to foul sewer. Water that has come in contact with waste will not be allowed to enter the surface water drainage system. Fuels and any other liquids stored on site will be stored within bunded containers with spill-kits available nearby.
- 5.1.5 A Fire Prevention Plan has been provided with the application describing the fire prevention, detection and suppression techniques which will be implemented across the site, including the provision of fire-fighting water and its subsequent containment.
- 5.1.6 Stringent waste acceptance procedures, efficient management of waste and good housekeeping will ensure that risk of pollution to nearby receptors is maintained at a minimum.
- 5.1.7 Site monitoring and reporting procedures will be in place to ensure the site operates in accordance with the permit and the relevant guidance. Overall, the site will be operated minimising the risk to human health and the environment.

6 SITE MANAGEMENT

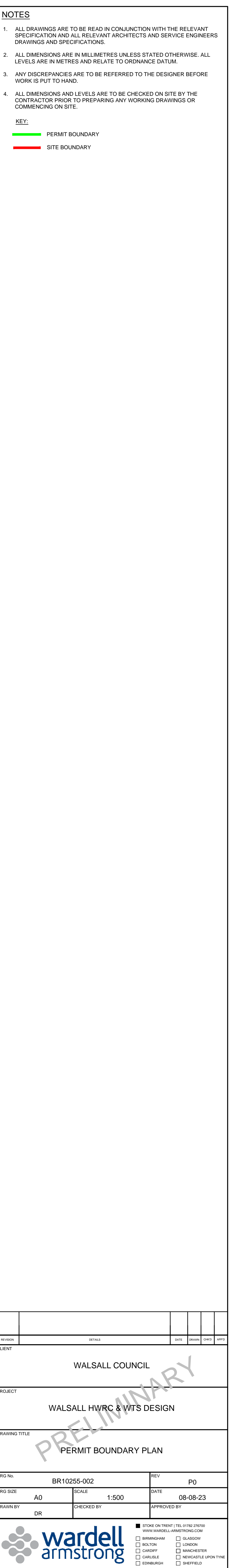
6.1.1 Walsall Council operate a comprehensive environmental management system to ensure compliance with relevant legislation and the conditions of the Environmental Permit as well as seeking continuous improvement in environmental matters. The EMS covers:

- Quality Management;
- Environmental Policy;
- Compliance with environmental permit and environmental legislation;
- Staff training;
- Accident prevention and management;
- Site infrastructure and maintenance; and
- Record keeping.

6.1.2 Operations will be undertaken in a manner compliant with relevant guidance and the EMS, ensuring good housekeeping and minimising any potential impacts.

6.1.3 Site operatives will be trained to follow the measures in the EMS and to understand their responsibilities under the site's environmental permit. Training will be provided to all operatives in the proper procedure for start-up, operation, monitoring and shutdown of new equipment to minimise emissions.

DRAWINGS



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