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ENERGY AND CLIMATE CHANGE
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WASTE RESOURCE MANAGEMENT



RON HULL JNR. LIMITED

GRANGE MILL METAL RECYCLING FACILITY

OPERATING TECHNIQUES

APRIL 2024

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RON HULL JNR LTD

APPLICATION TO VARY PERMIT NUMBER EPR/KB3902KR

OPERATING TECHNIQUES

APRIL 2024

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APPENDICES

Appendix 1 List of additional waste types

Appendix 2 List of wastes that can be accepted as inert without testing

DRAWINGS

Drawing number	Drawing Title	Scale
ST20716-001	Site layout plan	1:500



1 INTRODUCTION

- 1.1 Wardell Armstrong have been commissioned by Ron Hull Jnr. Limited to prepare a permit variation application for their operation of metal recycling facility at 8 Grange Mill Lane, Sheffield, S9 1HW.
- 1.2 The permit reference is EPR/KB2902KR.
- 1.3 The variation is to change the list of accepted waste codes. It is proposed to re-introduce five waste codes that were originally on the site's waste management licence (EAWML65522). A range of other wastes will also be added to the list allowing the operation of a waste transfer station and allowing a more comprehensive service to be offered to customers.
- 1.4 Currently storage of waste is permitted but only as a directly associated activity to the metal shredding, vehicle depollution, metal recycling and WEEE recycling that takes place on site. The introduction of the new waste codes will therefore add two new activities to the permit, the storage of hazardous waste at a transfer station and the storage of non-hazardous waste at a transfer station. A maximum quantity of 50 tonnes of hazardous waste will be stored at any one time.
- 1.5 There is no proposed change to the throughput of the site, that is the total waste received will remain within the 295,000 tonne limit.
- 1.6 There is no proposed change to the site boundary.
- 1.7 The site has been designed, and currently operates, to provide comprehensive environmental protection. This includes a sealed drainage system which runs via an interceptor to foul sewer. All water draining from the new activities will run off via this system. Hazardous wastes will be fully contained so that there is no run-off.
- 1.8 The site is operated under an Environmental Management System, and in accordance with relevant Environment Agency guidance. This will remain valid and this report provides additional information regarding the new waste types.

2 SITE SETTING

- 2.1 The site is located to the Northeast of Sheffield, approximately 6km from the City centre and bordering the M1 Motorway, at National Grid Reference (NGR) SK 38043 93199.

- 2.2 The site is located in an industrial area along Grange Mill Lane, and currently operates as a Metal Recycling Facility. The variation will extend the activities on site to include waste transfer in order to provide a more comprehensive service to Ron Hull Jnr's customers.
- 2.3 A scrap yard lies to the Southeast of the site, a truck park to the Northwest, Blackburn Brook to the Southwest boundary (immediately adjacent to the Penistone Line railway and B6082 Ecclesfield Road) and Grange Mill Lane to the Northeast (running parallel to the M1 motorway which is situated on a raised embankment).
- 2.4 The site is accessed exclusively from Grange Mill Lane.
- 2.5 A plan is provided showing the proposed new layout with the waste storage areas, drawing number ST20716-001.

3 PROPOSED ACTIVITIES

- 3.1 The site is a metal recycling operation that includes baling, gas cutting, shearing, magnetic sorting, air blower sorting, hand sorting and shredding of up to 295,000 tonnes per annum of metal wastes.
- 3.2 The facility currently comprises:
- A metal shredding installation with capacity exceeding 75 tonnes per day;
 - A manual vehicle storage, depollution, and dismantling operation;
 - A WEEE storage and treatment operation;
 - A metal recycling operation; and
 - Storage of furnace ready scrap.
- 3.3 The new activities will comprise the storage of hazardous and non-hazardous waste, pending removal to a permitted recycling or disposal site.
- 3.4 No variations to the site's operating hours are proposed.
- 3.5 The new waste codes are provided in Appendix 1.

4 WASTE ACCEPTANCE

4.1.1 As with the existing waste types the new waste types will be subject to pre-acceptance and acceptance checks to ensure that all wastes are handled in an appropriate manner and the risks to the environment are minimised.

4.2 Waste Pre-acceptance

4.2.1 All waste will be received at the site by pre-arrangement. At the pre-acceptance stage the customer will be asked to provide details of the waste type, waste quantities and other pertinent information so that it can be assessed by a trained member of staff.

4.2.2 Staff assessing wastes for acceptance will have the appropriate training and qualifications to make an informed decision on whether the waste will meet the requirements of the environmental permit and whether the waste will be treated on site (currently permitted activities) or accepted for transfer only (new activity). Decisions will be made in accordance with a written procedure for waste enquiries.

4.2.3 Where waste, such as soil and slags, is listed under a mirror entry in the List of Wastes, the customer must provide adequate sampling results to confirm that the waste is non-hazardous. The waste assessors will confirm whether appropriate sampling and testing has taken place and check that the results of testing show the waste is non-hazardous.

4.2.4 Where waste has been described as inert the customer must demonstrate that it falls on the list of wastes that are acceptable without testing (see appendix 2) or provide suitable WAC analysis to show that the waste can be forwarded to an inert landfill.

4.2.5 A record will be kept of all waste enquiries, including the following information:

- Date and source of enquiry (name, date and telephone number),
- Name of person dealing with enquiry,
- Name, address and SIC code of the waste producer,
- Waste type, quantity and form of load,
- Six figure waste catalogue code,
- Whether sampling and analysis is required,
- Copy of analysis (where required),
- Agreed date(s) and time(s) for delivery or reason for rejection,

- Whether the waste is to be accepted for transfer only or for waste treatment, and
- Name and telephone number of the waste carrier.

4.2.6 The assessor will record their decision, with reasons for rejecting the waste if necessary, and this information will be communicated clearly to weighbridge staff.

4.3 Waste Acceptance Procedures

4.3.1 Clear signage will be provided directing all vehicles to the weighbridge to be weighed in.

4.3.2 All customers' vehicles will be weighed before and after discharging their load, unless the tare weight of the vehicle is recorded, so that loads need only be weighed on entry. Records will be kept regarding the vehicle delivering the waste, the waste type and quantity, any special requirements and the location on site where the waste was tipped.

4.3.3 A record of the waste on site will be maintained and waste will only be accepted where there is sufficient capacity in the appropriate storage bays or containers.

4.3.4 Where possible the waste will be subject to visual inspection at the weighbridge to ensure that it appears in accordance with the pre-acceptance information.

4.3.5 A waste transfer note, including a waste description must be provided for each load (unless part of a series of deliveries under an approved season ticket). A check will be made against the waste transfer note and pre-acceptance information to ensure that the waste is as expected and is suitable for deposit on site. The driver will then be directed to appropriate unloading area.

4.3.6 For hazardous waste a consignment note must be provided. Where the consignment note is missing or incomplete the hazardous waste will be rejected and the reason will be recorded on the consignment note (or a separate record if there is no consignment note). Such waste may subsequently be accepted but only where the waste producer has provided properly completed paperwork.

4.3.7 A final visual inspection of all loads will be carried out prior to and during unloading by a suitably competent member of staff. This will identify any non-conforming materials which could have been hidden in the body of the waste container, a bulk vehicle or skip.

4.3.8 In the event that non-conforming material is identified at the weighbridge the vehicle will be directed to park until further checks can be made. This will include contacting the site manager and the carrier's base where necessary, to further confirm the nature of the waste. If these checks confirm the waste is acceptable within the terms of the permit the lorry will be allowed to proceed to the appropriate unloading point. If there is any doubt that the waste is acceptable the waste will be rejected.

4.4 **Rejection of loads**

4.4.1 Non-conforming waste will include any waste that is not specifically listed in the environmental permit, wastes that comprise mainly fine dusty material that may cause a dust nuisance and waste that is odorous and would pose a risk of causing odour beyond the site boundary.

4.4.2 If non-conforming waste is identified following tipping, the following action will be taken:

- the site manager will be informed;
- the waste will be moved to the quarantine area;
- the site manager will examine the waste transfer note and any other documentation and the waste to determine whether it is non-conforming waste;
- if the site manager is satisfied that the description of the waste is appropriate and there has been no contravention of the permit, he/she will authorise the continued treatment/disposal;
- if the site manager is not satisfied that the material conforms to the above requirements, he/she will reject the load;
- where possible the waste will be reloaded onto the delivery vehicle and returned to the waste producer;
- Where this is impractical or unsafe the waste will be kept in the quarantine area pending disposal at an appropriately permitted site.

4.4.3 Where waste is rejected, a record will be made in the site log and the Environment Agency will be informed.

4.5 Outgoing Waste

- 4.5.1 Waste will be managed on a first in first out basis with bays being cleared on a regular basis. The maximum waste storage times, set out in the fire prevention plan will be observed.
- 4.5.2 Waste will be transferred to a registered waste carrier and checks will be made to ensure that they are sent to a permitted site for recycling or disposal.
- 4.5.3 Transfer notes will be raised for loads of waste leaving the site, with consignment notes completed for all loads of hazardous waste.

5 WASTE STORAGE

5.1 General

- 5.1.1 The additional wastes will in general be stored for no more than 14 days before being sent off site to a permitted site for recycling or disposal, although different limits apply to different wastes.
- 5.1.2 Maximum waste quantities are set out in the fire prevention plan.
- 5.1.3 A record will be maintained recording where on site hazardous wastes are stored and the quantity in storage to ensure that the total quantity of waste is kept below 50 tonnes.

5.2 Construction Demolition and Industrial Wastes

- 5.2.1 Wastes such as concrete, soils, compost, filter cakes and slags will be stored in purpose built bays. The bays will be provided with impermeable surfacing which drains towards the existing sealed drainage system. This directs water to foul sewer via an interceptor.
- 5.2.2 Wastes will be stored within the confines of the bay and below the height of the bay wall to help minimise windblown dust.
- 5.2.3 Glass and wood will be stored in a similar manner, that is in a designated bay within the sealed drainage system.
- 5.2.4 Gypsum waste will be stored in a dedicated bay, separate to other wastes, to ensure that it is sent for recycling and not sent to landfill (where it might give rise to toxic gas).

5.2.5 Materials that might give rise to litter, such as lighter fractions of wood, textiles and plastics will be provided with litter netting around the bay to prevent litter being blown off site.

5.3 **Gas Cylinders**

5.3.1 A properly constructed cage or cages will be provided for the storage of empty gas cylinders to guard against the possibility of explosions caused by residual gas. Gas cylinders will be placed in the cage and stored upright.

5.4 **Batteries, Fluorescent tubes and equipment containing hazardous materials**

5.4.1 Batteries will be stored in dedicated battery boxes which are watertight and are kept under cover or provided with suitable lids to exclude rainwater.

5.4.2 WEEE containing hazardous materials will be stored in separate containers. The containers will be fully watertight to prevent hazardous chemicals entering the drainage system. The containers will be kept under cover or will be provided with lids.

5.5 **Frag Wastes**

5.5.1 Where frag wastes are accepted these will be stored in the same manner as similar wastes produced on site. They will be stored in a dedicated bay within the sealed drainage system.

5.6 **Anti-freeze and brake fluid**

5.6.1 Any liquid waste accepted will be in suitable containers. Containers will be inspected on arrival at site to ensure there are no leaks. The contents of damaged containers will be over drummed or transferred to an intact container.

5.6.2 Liquid containers will be kept within a bunded area providing containment for at least 20% of the capacity of all the containers or 110% of the capacity of the largest container (whichever is more).

5.7 **POPs Waste**

5.7.1 POPs waste is accepted on site for storage only. POPs waste is stored in a dedicated container segregated from other wastes. It will be transferred off site for authorised disposal.

6 ENVIRONMENTAL MANAGEMENT SYSTEMS

- 6.1.1 Ron Hull Jnr Limited operate the site in compliance with an EMS. The Company have complete control over site operations, maintenance, competence and training, prevention of accidents, organisation and document management and records.
- 6.1.2 Adherence to the management system will ensure that regular training, checks and preventative maintenance are carried out at the facility, along with promoting an ethos of continuous improvement to site operations.
- 6.1.3 The site will be under the control of a Technically Competent Manager who holds the appropriate qualifications. The TCM will ensure that their site attend will comply with Environment Agency requirements.
- 6.1.4 In large part the site will continue to operate in accordance with the existing management system. Additional information regarding waste storage is provided below.

7 AMENITY MEASURES

7.1 Dust and Litter

- 7.1.1 Wastes that comprise mainly fine dusty materials will not be accepted on site.
- 7.1.2 Measures will be taken to minimise any emissions of dust. Any wastes that may give rise to dust will be received in vehicles that are sheeted or enclosed. Tipping heights will be minimised.
- 7.1.3 Wastes will be stored within the confines of a bay and below the height of the bay wall to provide shelter from the wind.
- 7.1.4 A water supply will be available on site to damp down wastes in hot, dry or windy weather.
- 7.1.5 Litter netting will be provided around bays for any lighter materials that may give rise to windblown litter.
- 7.1.6 The site will be inspected daily and any litter will be collected and placed in an appropriate bay or container.
- 7.1.7 The site may close to the receipt of light wastes when conditions are extremely windy.

7.2 Pests and Odour

- 7.2.1 Pests and odour are not considered likely as no putrescible waste is to be accepted. Odorous wastes will not be permitted on site.
- 7.2.2 Wastes will be turned round on a regular basis and in line with the maximum storage times set out in the fire prevention plan and procedures for waste removed from depolluted vehicles.
- 7.2.3 A daily inspection of the site will be carried out by the site manager or another trained member of staff. They will record any incidence of dust, litter, odour or evidence of pests. This will be reported to the site manager and the cause will be investigated,
- 7.2.4 Wastes causing an odour will be prioritised for removal from site.
- 7.2.5 Should evidence of pests be detected a pest contractor will be brought to site to deal with the problem.