

# Notice of variation and consolidation with introductory note

**The Environmental Permitting (England & Wales) Regulations 2016**

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European Metal Recycling Limited

Albert Works  
Kenninghall Road  
Edmonton  
London  
N18 2PD

**Variation application number**

EPR/HB3604TQ/V003

**Permit number**

EPR/HB3604TQ

# Albert Works

## Permit number EPR/HB3604TQ

### Introductory note

#### **This introductory note does not form a part of the notice.**

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. All the conditions of the permit have been varied and are subject to the right of appeal.

This permit variation has been issued to implement guidance “Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities” and “Treating metal waste in shredders: appropriate measures for permitted facilities”.

#### **Changes introduced by this variation notice/statutory review**

The Industrial Emissions Directive (IED) came into force on 7 January 2014 with the requirement to implement all relevant Best Available Techniques (BAT) Conclusions as described in the Commission Implementing Decision. Article 21(3) of the IED requires the Environment Agency to review conditions in permits that it has issued and to ensure that the permit delivers compliance with relevant standards, within four years of the publication of updated decisions on Best Available Techniques (BAT) Conclusions. The BAT Conclusions for Waste Treatment (the BREF) was published on 17 August 2018 following a European Union wide review of BAT, implementing decision (EU) 2018/1147 of 10 August 2018.

The appropriate measures for WEEE were published on gov.uk on 13 July 2022. The Treating metal waste in shredders: appropriate measures for permitted facilities guidance was published on gov.uk on 20 October 2021. The guidance explains the standards that are relevant to regulated facilities with an environmental permit to treat or transfer healthcare waste, providing indicative BAT for those sites.

This permit variation has been issued to update some of the conditions following a statutory review of the permits in the WEEE treatment and transfer and metal shredding sector and to implement the appropriate measures guidance. The opportunity has also been taken to consolidate the original permit and subsequent variations where appropriate.

#### **The site**

The Installation is located in Edmonton, North London at NGR TQ 35139 92336, adjacent to the A406 North Circular (Angel Road) to the South and is surrounded on the three other sides by Conduit Lane. A Railway line is present along the Eastern and South-eastern boundary of the site. Pymmes Brook is culverted along the southern boundary and Salmon Brook is approximately 500 metres to the East.

The site is within the boundary of an Air Quality Management Zone for particulates and oxides of Nitrogen. It is also within the prescribed distance of Lee Valley Ramsar, Lee Valley SPA (or proposed SPA) and Epping Forest SAC.

#### **Changes as a result of Operator Application to vary the permit**

The Operator has submitted a variation to add a new hazardous waste treatment Activity to the permit, to allow the shredding (physico-chemical treatment) of metal cable wastes. This Activity will also involve physical segregation and handling of incoming cable waste and the treated fractions as outputs from the treatment process. The Application also included the removal of the Section 5.4 Part A(1)(b)(iv) Non-

hazardous waste treatment Activity for shredding of metals as an Installation Activity, reassigning this as a Waste Operation as the Activity is below the 75 tonnes per day for treatment threshold.

### **Brief description of the process**

The site is permitted to store and treat ferrous and non-ferrous metals, End of Life Vehicles (ELVs) including hazardous components, oils and liquids and Waste Electrical and Electronic Equipment (WEEE). The site is currently permitted to accept 349,000 tonnes of waste per annum in total, this includes up to 69,000 tonnes of hazardous and 280,000 tonnes of non-hazardous waste.

The regulated facility comprises:

- Treatment of hazardous waste – granulation of cables Section 5.3 Part A(1)(a)(ii) – recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.
- Temporary storage of hazardous waste – Section 5.6 Part A(1)(a) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.

The following Directly Associated Activities:

- The storage of non-hazardous waste pending treatment.
- Storage of Raw Materials.
- Surface Water management.

The following Waste Operations:

- Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity lower than 75 tonnes per day involving treatment in shredders of metal waste.
- Vehicle storage, depollution and dismantling (authorised treatment) facility.
- Waste electrical and electronic equipment (authorised treatment) facility.
- Metal Recycling.
- Storage of Furnace Ready Scrap.
- The Activities on site are a potential source of emissions to air in the form of dust and other particulates. The water collected at the site is discharged to sewer is also a potential source of pollution to the environment, released to the downstream environment beyond any off-site water treatment facility. Due to the nature of the wastes accepted and treated at site, along with the limits and abatement of the Activities, Odour and Noise emissions are of limited impact to the local environment. Outputs from the waste treatment Activities are sent offsite for onward recovery or disposal.
- The emissions from site to air are discharged via filters to address any potential particulates released from the waste treatment process and discharges to both sewer and surface water are discharged via interceptors to allow for monitoring and where appropriate, alternative disposal, prior to any release from the site.
- The Operator has an Environmental Management System in place for the site, which is site-specific. The system contains an Environmental Management Plan, Environmental Policy, Emergency Plan, Environmental Risk Assessments and Environmental Protection procedures. The Operator is committed to continual improvement of this management system and reviewing documents and plans which form parts of the Operating Techniques for the site.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

| <b>Status log of the permit</b>                                                                                                         |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>                                                                                                                      | <b>Date</b>          | <b>Comments</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Waste Disposal Licence no.387 Issued                                                                                                    | 02/06/1992           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Waste Disposal Licence no.387 Modified                                                                                                  | 19/01/1993           | Modification to increase the working hours, height of waste stacks, management of waste stacks and training of site personnel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Waste Management Licence EAWML 80298 Modified                                                                                           | 07/11/2008           | Environment Agency Modification to bring in the storage and treatment standards required under the Waste Electrical and Electronic Equipment (WEEE) Regulations 2006 and WEEE Directive 2002/96/EC.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Application EPR/EP3091NT/S004                                                                                                           | Duly Made 19/07/2010 | Application to partially surrender an area of the site on the southern boundary.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Partial Surrender Notice issued EPR/EP3091NT/S004                                                                                       | 25/08/2010           | Varied permit issued.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Application EPR/EP3091NT/V005                                                                                                           | 28/06/2010           | Application to extend the boundary to the north and west, increase the annual throughput and maximum tonnage stored on site. Also, list the waste codes that are accepted into the site and delete conditions 2.1 and 2.2 of the original permit.                                                                                                                                                                                                                                                                                                                                                                                           |
| Varied Permit issued EPR/EP3091NT/V005                                                                                                  | 26/08/2010           | Varied permit issued to Metal & Waste Recycling Limited.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Application EPR/EP3091NT/V006                                                                                                           | 22/09/2015           | Application to vary and update the permit to IED conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Varied Permit issued EPR/EP3091NT/V006                                                                                                  | 29/06/2016           | Varied and consolidated permit issued in modern condition format.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Application EPR/HB3604TQ/T001 – Full Transfer of permit EPR/EP3091NT                                                                    | Duly Made 12/07/2019 | Application to transfer the permit in full to European Metal Recycling Limited.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Permit Transfer issued EPR/HB3604TQ                                                                                                     | 21/08/2019           | Full transfer of permit complete.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Application (variation and consolidation)<br>EPR/HB3604TQ/V002<br>Environment Agency Waste Treatment Sector Review<br>EPR/HB3604TQ/V003 | Duly Made 13/04/2022 | Permit variation to include removal of S5.4 A(1))b)(iv) Waste Installations Activity.<br>Addition of a hazardous waste treatment Activity for the shredding or granulation of metal cables.<br>Statutory review of permit occasioned by Waste Treatment BAT Conclusions published on 17 August 2018 and Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities published 13 July 2022. Treating metal waste in shredders: appropriate measures for permitted facilities published 20 October 2021.<br>Sector review – documents received in response to the Regulation 61 Notice dated 20/04/2022. |
| Regulation 61 Notice / Schedule 5 / Request for information (RFI) dated 05/08/2022 - Response from Operator                             | 14/10/2022           | Response for further information received via email.<br>Schedule 5 Notice issued to request additional information and clarification on items for variation to the existing permit. These include removal of the Non-hazardous waste treatment Activity, waste                                                                                                                                                                                                                                                                                                                                                                              |

| Status log of the permit                                                                                         |            |                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                                                                                                      | Date       | Comments                                                                                                                                                                                                                                     |
|                                                                                                                  |            | acceptance procedures information, waste code details and removal of an emission monitoring point. Also includes items requesting information related to replacement of a Regulation 61 Notice for the Hazardous Waste Sector Review.        |
| Schedule 5 (2) / Request for information (RFI) Response from Operator                                            | 12/05/2023 | Response received via email.<br>Second Schedule 5 Notice response included clarification of proposals for Hazardous Waste treatment Activity and additional information in relation to compliance with Metal Shredding Appropriate Measures. |
| Environment Agency Waste Treatment Sector Review<br>Permit reviewed<br>Variation determined<br>EPR/HB3604TQ/V003 | 29/07/2024 | Varied and consolidated permit issued.                                                                                                                                                                                                       |

End of introductory note

# Notice of variation and consolidation

## The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

### Permit number

EPR/HB3604TQ

### Issued to

**European Metal Recycling Limited** ("the operator")

whose registered office is

**Sirius House  
Delta Crescent  
Westbrook  
Warrington  
Cheshire  
WA5 7NS**

company registration number 02954623

to operate regulated facilities at

**Albert Works  
Kenninghall Road  
Edmonton  
London  
N18 2PD**

to the extent set out in the schedules.

The notice shall take effect from 29/07/2024

| Name       | Date       |
|------------|------------|
| Anne Lloyd | 29/07/2024 |

Authorised on behalf of the Environment Agency

## **Schedule 1**

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation and the variation application received from the Operator.

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/HB3604TQ**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/HB3604TQ/V003 authorising,

**European Metal Recycling Limited** ("the operator"),

whose registered office is

**Sirius House  
Delta Crescent  
Westbrook  
Warrington  
Cheshire  
WA5 7NS**

company registration number 02954623

to operate an installation and waste operations at

**Albert Works  
Kenninghall Road  
Edmonton  
London  
N18 2PD**

to the extent authorised by and subject to the conditions of this permit.

| Name       | Date       |
|------------|------------|
| Anne Lloyd | 29/07/2024 |

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
  - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

### 1.2 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR6) the operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
  - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
  - (c) take any further appropriate measures identified by a review.

### 1.3 Efficient use of raw materials

- 1.3.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR6) the operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
  - (b) maintain records of raw materials and water used in the activities;
  - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
  - (d) take any further appropriate measures identified by a review.

### 1.4 Avoidance, recovery and disposal of wastes produced by the activities

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
  - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
  - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

## **2 Operations**

### **2.1 Permitted activities**

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR6), waste authorised by this permit shall be clearly distinguished from any other waste on the site.

### **2.2 The site**

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in red on the site plan at schedule 7 to this permit.

### **2.3 Operating techniques**

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2 to S1.5, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 to S1.5, or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 All activities shall take place on impermeable surfaces with sealed drainage, unless otherwise specified in Table S1.1 or agreed in writing with the Environment Agency.
- 2.3.4 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.5 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.2, S2.3, S2.4, S2.5, S2.6, S2.7 or S2.8; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.6 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
  - (b) the composition of the waste;
  - (c) the handling requirements of the waste;
  - (d) the hazardous properties associated with the waste, if applicable; and
  - (e) the waste code of the waste.
- 2.3.7 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

### **2.4 Hazardous waste storage and treatment**

- 2.4.1 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

## **2.5 Vehicle depollution and dismantling**

- 2.5.1 As a minimum, all waste motor vehicles shall be treated to the standards specified in table S1.3.

## **2.6 Improvement programme**

- 2.6.1 The operator shall complete the improvements specified in schedule 1 table S1.4 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.6.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

# **3 Emissions and monitoring**

## **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

## **3.2 Emissions of substances not controlled by emission limits**

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
  - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

## **3.3 Odour**

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
- (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

### **3.4 Noise and vibration**

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 Emissions from the metal shredder shall be free from sudden noise or vibration at levels likely to cause pollution outside the site, unless the operator has used appropriate measures, including but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the sudden noise and vibration.
- 3.4.3 The operator shall:
  - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
  - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

### **3.5 Monitoring**

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
  - (a) point source emissions specified in tables S3.1, S3.2 and S3.3;
  - (b) ambient air monitoring specified in table S3.4; and
  - (c) noise specified in table S3.5.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

### **3.6 Monitoring for radioactive substances**

- 3.6.1 The operator shall carry out monitoring of all waste delivered to the site to determine, so far as reasonably practicable, whether it contains any radioactive substances.
- 3.6.2 Monitoring equipment shall be installed and operational 3 months from the issue of this permit.
- 3.6.3 The monitoring carried out to fulfil condition 3.6.1 shall include, as a minimum, use of:

- (a) fixed radiation detectors at all weighbridges at the site; and
- (b) a hand held detector to investigate alarms generated by the equipment in (a) above.

3.6.4 The equipment referred to in condition 3.6.3 (a) shall:

- (a) include solid state scintillation detectors;
- (b) be positioned as close as reasonably practicable to the waste being monitored;
- (c) have a sensitivity to gamma radiation consistent with the minimum performance as specified in the International Atomic Energy Agency recommendations in Annex IV of 'Recommendations on Monitoring and Response Procedures for Radioactive Scrap Metal', UNECE, 2006;
- (d) include visual and audible alarms which activate on detection of radiation above a defined action level.

3.6.5 All radiation monitoring equipment shall be subject to a regular calibration and testing programme to ensure satisfactory performance is maintained.

3.6.6 The operator shall establish and maintain procedures for responding to alarms generated by the equipment referred to in condition 3.6.3.

3.6.7 The operator shall, without delay, inform the Environment Agency of each confirmed detection of radiation in accordance with this condition and the action taken in accordance with condition 4.3.1.

### **3.7 Pests**

3.7.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.7.2 The operator shall:

- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

### **3.8 Fire prevention**

3.8.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

3.8.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
- (b) implement the fire prevention plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **4 Information**

### **4.1 Records**

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
  - (i) off-site environmental effects; and
  - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

## 4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 For the following activities referenced in schedule 1, table S1.1 AR1 to AR6 report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
  - (b) the annual production/treatment data set out in schedule 4 table S4.2; and
  - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
  - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous year.

## 4.3 Notifications

- 4.3.1 In the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—

- (i) inform the Environment Agency,
- (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
- (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
  - (i) inform the Environment Agency, and
  - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

- (a) a decision by the Secretary of State not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

## **4.4 Interpretation**

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “immediately”, in which case it may be provided by telephone.

# Schedule 1 – Operations

| Table S1.1 activities |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Activity reference    | Activity listed in Schedule 1 of the EP Regulations                                                                                                       | Description of specified activity and WFD Annex I and II operations                                                                                                                                                                                                                                                                  | Limits of specified activity and waste types                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| AR1                   | Section 5.3 Part A(1)(a)(ii)<br>Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment. | Granulation of hazardous electrical and communications cable.<br><br>R3:<br>Recycling/reclamation of organic substances which are not used as solvents.<br><br>R4:<br>Recycling/reclamation of metals and metal compounds.                                                                                                           | From treatment of waste by granulation to storage of treated waste.<br><br>Granulation of cable and mechanical separation of metal from insulation material.<br><br>Treatment of waste shall be carried out within a building and provided with a weatherproof covering.<br><br>Buildings shall meet the following requirements: <ul style="list-style-type: none"> <li>Buildings shall be designed, constructed and maintained to prevent ingress of rain and surface water; and</li> <li>Rain and uncontaminated surface water shall be kept separate from contaminated water and other liquids.</li> </ul> WEEE derived cable must be granulated separately from non-WEEE derived cable.<br><br>Granulated cable insulation from WEEE and non-WEEE must be kept segregated.<br><br>No more than 10,000 tonnes of waste shall be treated per year.<br><br>No more than 75 tonnes of waste shall be treated per day.<br><br>Waste types suitable for acceptance are limited to those specified in Table S2.2. |
| AR2                   | Section 5.3 Part A(1)(a)(ii)<br>Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment. | Manual and mechanical sorting, segregation and grading of hazardous fractions resulting from the granulation of cable wastes containing ferrous and non-ferrous metals.<br><br>R3:<br>Recycling/reclamation of organic substances which are not used as solvents.<br><br>R4:<br>Recycling/reclamation of metals and metal compounds. | From treatment of waste by manual and mechanical sorting, segregation and grading to storage of treated waste.<br><br>No more than 10,000 tonnes of waste shall be treated per year.<br><br>No more than 75 tonnes of waste shall be treated per day.<br><br>All hazardous waste storage following this treatment shall not exceed 6 months, without prior written approval from the Environment Agency.<br><br>No wastes other than those output hazardous waste fractions derived from Activity AR1 or Activity AR9 shall be submitted to this treatment Activity.                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| Table S1.1 activities                 |                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AR3                                   | Section 5.6 Part A(1)(a)<br>Temporary storage of hazardous waste in a facility with a total capacity exceeding 50 tonnes. | Storage of hazardous waste pending on-site treatment or off-site transfer.<br>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced). | From receipt and storage of hazardous waste on site to its treatment on site; or its transfer off-site.<br><br>There shall be no treatment of lead acid batteries, other than sorting and separating from other wastes and repackaging for third party processing.<br><br>All batteries shall be stored in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system.<br><br>Lead acid batteries shall be stored upright with terminals taped off or capped, in acid proof containers to prevent leaks and short circuits.<br><br>All hazardous waste storage including batteries, pending treatment shall not exceed 6 months, without prior written approval from the Environment Agency.<br><br>Storage of hazardous waste pending treatment or transfer shall not exceed 940 tonnes at any one time.<br><br>Hazardous waste accepted at the site shall not exceed a total of 69,000 tonnes per year.<br><br>Hazardous waste types suitable for acceptance for storage are limited to those specified in Table S2.2 and S2.8. |
| <b>Directly Associated Activities</b> |                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| AR4                                   | Raw materials storage                                                                                                     | Storage of raw materials                                                                                                                                                                                                                  | Raw materials can include foam, diesel and lubrication oils.<br><br>From the receipt of raw materials to despatch for use within the facility.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| AR5                                   | Surface water collection and storage                                                                                      | Collection and storage of uncontaminated and potentially contaminated site surface water, via gullies, silt traps and a retention interceptor. Cumulatively a 35,000-litre capacity collection arrangement.                               | From the collection of uncontaminated and contaminated site surface water to discharge to sewer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AR6                                   | Abatement system                                                                                                          | Cyclones and Bag filters serving Activities AR1 and AR9 and serving the treatment building ambient air extraction.                                                                                                                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Table S1.1 activities |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | Waste Operations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Activity reference    | Description of activities for waste operations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Limits of activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| AR7                   | Storage of non-hazardous waste pending shredding sorting, separation and grading.<br>R13: Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).                                                                                                                                                                                                                                                                                                                     | From receipt of waste to storage of waste prior to treatment by Activity AR8.<br><br>Storage for no more than 6 months prior to treatment or transfer.<br><br>Maximum storage of non-hazardous wastes is 300 tonnes at any one time.<br><br>Waste types suitable for acceptance are limited to those specified in Table S2.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| AR8                   | Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity lower than 75 tonnes per day involving treatment in shredders of metal waste, including waste electrical and electronic equipment and end-of-life vehicles and their components.<br><br>R4: Recycling/reclamation of metals and metal compounds.<br><br>R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).<br><br>R5: Recycling/reclamation of other inorganic compounds. | From receipt of metal waste to treatment by granulation.<br><br>Treatment consisting only of shredding and granulating of ferrous and non-ferrous metals for recovery.<br><br>No more than 75 tonnes per day of non-hazardous waste is to be subjected to shredding or granulation.<br><br>Treatment of waste shall be carried out within a building and provided with a weatherproof covering.<br><br>Buildings shall meet the following requirements: <ul style="list-style-type: none"> <li>• Buildings shall be designed, constructed and maintained to prevent ingress of rain and surface water; and</li> <li>• Rain and uncontaminated surface water shall be kept separate from contaminated water and other liquids.</li> </ul> Waste types suitable for acceptance for shredding and granulating are limited to the non-hazardous wastes specified in Table S2.3. |
| AR9                   | Manual and mechanical sorting, segregation and grading of non-hazardous fractions resulting from the shredding of wastes containing ferrous and non-ferrous metals.<br><br>R3: Recycling/reclamation of organic substances which are not used as solvents.<br><br>R4: Recycling/reclamation of metals and metal compounds.                                                                                                                                                                                                                                    | From treatment of ferrous and non-ferrous metals to consisting of sorting, separation and grading to storage of treated waste.<br><br>Treatment only of sorting, separation and grading of granulated materials.<br><br>Wastes derived from this Activity shall be stored on site for no longer than 12 months prior to disposal or onward recovery.<br><br>No wastes other than those non-hazardous waste fractions derived from Activity AR1 or Activity AR8 shall be submitted to this treatment Activity.                                                                                                                                                                                                                                                                                                                                                               |
| AR10                  | Vehicle storage, depollution and dismantling (authorised treatment) facility.<br><br>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding                                                                                                                                                                                                                                                                                                                                                                                        | From receipt of waste to treatment and storage of recovered non-hazardous components.<br><br>No more than 100 tonnes of hazardous and non-hazardous waste shall be stored at the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Table S1.1 activities |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <p>temporary storage, pending collection, on the site where it is produced).</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).</p> <p>R4: Recycling/reclamation of metals and metal compounds.</p> <p>R5: Recycling/reclamation of other inorganic compounds.</p>                               | <p>site for treatment under this Activity at any one time.</p> <p>No more than 20 tonnes of intact waste vehicle tyres (waste code 16 01 03) shall be stored at the site.</p> <p>Subject to any other requirements of this permit, wastes shall be stored for no longer than 12 months prior to disposal and 36 months prior to recovery.</p> <p>Uncontaminated plastic, glass and ferrous and non-ferrous metal wastes (including depolluted waste motor vehicles) arising from the treatment of end-of-life vehicles shall be stored on hard standing or an impermeable surface with sealed drainage system.</p> <p>There shall be no treatment of batteries, other than sorting and separating from other wastes, and repackaging for third party processing.</p> <p>All batteries shall be stored in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system.</p> <p>Lead acid batteries shall be stored upright with terminals taped off or capped in acid proof containers to prevent leaks and short circuits.</p> <p>Nickel metal hydride (Ni-MH) batteries shall be stored in a way that will prevent them being damaged.</p> <p>Li-ion batteries from electric vehicles shall be stored separately from other batteries.</p> <p>Li-ion batteries shall be stored to prevent them from:</p> <ul style="list-style-type: none"> <li>• coming into contact with any liquids</li> <li>• being damaged or shorting</li> <li>• being exposed to high temperatures</li> </ul> <p>Batteries shall be stored on site for no longer than 6 months.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.4.</p> |
| AR11                  | <p>Waste electrical and electronic equipment authorised treatment facility.</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).</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>Treatment operations shall be limited to treatment consisting of sorting only.</p> <p>No more than 40,000 tonnes of non-hazardous and hazardous wastes accepted under this Activity can be treated per annum.</p> <p>There shall be no treatment of batteries, other than sorting and separating from other wastes for third party processing.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Table S1.1 activities |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | R5: Recycling/reclamation of other inorganic compounds.                                                                                                                                                                                                    | <p>Nickel metal hydride (Ni-MH) batteries shall be stored in a way that will prevent them being damaged.</p> <p>Batteries shall be stored on site for no longer than 6 months.</p> <p>Subject to any other requirements of this permit, wastes shall be stored for no longer than 6 months.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.5.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| AR12                  | <p>Metal Recycling.</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).</p> <p>R4: Recycling/reclamation of metals and metal compounds.</p> | <p>Treatment operations shall be limited to:</p> <ul style="list-style-type: none"> <li>Treatment consisting only of sorting, separation, grading, shearing, bailing, compaction, crushing or cutting of non-hazardous waste into different components for recovery.</li> </ul> <p>No more than 850 tonnes of non-hazardous wastes accepted for treatment under this Activity are to be stored on site at any one time.</p> <p>No more than 40,000 tonnes of non-hazardous waste shall be treated per annum under this Activity.</p> <p>Subject to any other requirements of this permit, wastes shall be stored for no longer than 6 months.</p> <p>Uncontaminated ferrous metal wastes or alloys and uncontaminated non-ferrous metal wastes shall be stored on hard standing or an impermeable surface.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.6.</p> |
| AR13                  | <p>Storage of Furnace Ready Scrap.</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).</p>                                                  | <p>Subject to any other requirements of this permit, wastes shall be stored for no longer than 6 months.</p> <p>Uncontaminated furnace ready scrap metal waste shall be stored on hard standing or an impermeable surface.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.7.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Table S1.2 Operating techniques            |                                                                                                                                                                                                                                                                                             |                         |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Description                                | Parts                                                                                                                                                                                                                                                                                       | Date Received           |
| Application variation<br>EPR/HB3604TQ/V002 | <p>Application Forms Parts C2 and C3 and the following, not including parts superseded by subsequent requests for information;</p> <ul style="list-style-type: none"> <li>Non-Technical Summary and Supporting Statement Document</li> <li>Edmonton EMP (YEDE-03) dated May 2021</li> </ul> | Duly Made<br>13/04/2022 |

| Table S1.2 Operating techniques                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Description                                                                                                                                  | Parts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Date Received                   |
|                                                                                                                                              | <ul style="list-style-type: none"> <li>Environmental Risk Assessment – Cable Storage and Processing in Granulator (ref E02-02-04) dated 23<sup>rd</sup> May 2021</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| Schedule 5 Notice Response                                                                                                                   | <p>Schedule 5 Response for additional information and clarification, not including those parts superseded by subsequent requests for information;</p> <ul style="list-style-type: none"> <li>Edmonton Schedule 5 Comments EMR Comments; and</li> <li>EMR Edmonton EA Schedule 5 Response (002) ABAOCEMR.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                 | 12/05/2023                      |
| Request for Further Information Response                                                                                                     | <p>Email from Mayer Environmental, dated 18<sup>th</sup> July 2023, confirming storage arrangements for cable and batteries including;</p> <ul style="list-style-type: none"> <li>Flow Chart Non-WEEE Cable vs 2; and</li> <li>Flow Chart WEEE Cable vs 2.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Received by email<br>18/07/2023 |
| Response to Improvement Conditions                                                                                                           | <p>Email received from Mayer Environmental, dated 28<sup>th</sup> July 2023, confirming completion of Improvement Conditions 1 to 5, including the following documents:</p> <ul style="list-style-type: none"> <li>Dust and Emissions Management Plan (v5);</li> <li>Appendix B (Dust Suppression Water Site Plan);</li> <li>Appendix D1 (Sensitive Receptors Map);</li> <li>Appendix D2 (Sensitive Receptors);</li> <li>Appendix D3 (Sensitive Receptors);</li> <li>Appendix E (Visual Monitoring Checklist);</li> <li>Appendix E(2) (Sensitive Receptors Map);</li> <li>EMR Edmonton – IC2 – Management of Dust and Particulates (processing); and</li> <li>E04-03 Fire Prevention Plan (Edmonton) dated October 2021.</li> </ul> | Received by email<br>28/07/2023 |
| <p>Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities</p> <p>Version published 13 July 2022</p> | <p>The following parts of the appropriate measures guidance shall apply:</p> <ul style="list-style-type: none"> <li>4. Waste storage, segregation and handling appropriate measures – measures 4.1.1 to 4.1.23 (to the extent they relate to the types of WEEE being stored) and 4.2.16 d Section 5 (Waste Treatment appropriate measures).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                              | -                               |
| <p>Treating metal waste in shredders: appropriate measures for permitted facilities</p> <p>Version published 20 October 2021</p>             | <p>All parts of the appropriate measures guidance shall apply, unless otherwise agreed in writing with the Environment Agency, other than:</p> <ul style="list-style-type: none"> <li>those parts to which an improvement programme requirement applies in Table S1.4 and until the agreed completion date for that improvement.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                         | -                               |

**Table S1.3 Waste motor vehicle treatment minimum technical requirements**

## 1. Treatment operations for depollution of end-of-life vehicles:

- removal of batteries and liquefied gas tanks,
- removal or neutralisation of potential explosive components, (e.g. air bags), removal and separate collection and storage of fuel, motor oil, transmission oil, gearbox oil, hydraulic oil, cooling liquids, antifreeze, brake fluids, air-conditioning system fluids and any other fluid contained in the end-of-life vehicle, unless they are necessary for the re-use of the parts concerned,
- removal, as far as feasible, of all components identified as containing mercury.

## 2. Treatment operations in order to promote recycling:

- removal of catalysts,
- removal of metal components containing copper, aluminium and magnesium if these metals are not segregated in the shredding process,
- removal of tyres, glass and large plastic components (bumpers, dashboard, fluid containers, etc), if these materials are not segregated in the shredding process in such a way that they can be effectively recycled as materials.

**Table S1.4 Improvement programme requirements**

| Reference | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date      |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| IC1       | <p>The Operator shall submit to Environment Agency for written approval.</p> <p>The management system must ensure that all installation activities (Activities reference AR1 to A7* in Table S1.1) are undertaken in accordance with Best Available Techniques.</p> <p>The management system shall include but no be limited to:</p> <ul style="list-style-type: none"> <li>a) a clearly documented and auditable waste acceptance procedure which details: <ul style="list-style-type: none"> <li>i) assessment of potential in-feed including pre-acceptance checks to ensure that the wastes received are suitable for shredding;</li> <li>ii) procedures for the identification, confiscation and repatriation of gas cylinders and other prohibited items;</li> <li>iii) a dedicated waste reception area with suitably trained staff controlling inspection, reception and validation of wastes;</li> <li>iv) a dedicated quarantine area for wastes that are prohibited; awaiting full inspection, testing or removal.</li> </ul> </li> <li>b) clearly documented and auditable material handling procedures that ensure emissions including dust and noise from material handling are prevented or where that is not practicable minimised, and</li> <li>c) clearly documented and auditable procedures for the management of shredder residues which ensure that: <ul style="list-style-type: none"> <li>i) all residues are stored on impermeable surface with sealed drainage in a way that prevents or where that is not practicable, minimises emissions and prevents wind-blown dispersion</li> <li>ii) all residues are characterised and assessed for appropriate further processing, recovery or disposal.</li> </ul> </li> </ul> <p>The operator shall implement the management system in accordance with the Environment Agency's written approval.</p> <p>*As referenced in EPR/HB3604TQ/T001.</p> | Completed |

| Table S1.4 Improvement programme requirements |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| IC2                                           | <p>The operator shall submit proposals to the Environment Agency that demonstrate they are preventing, or where that is not practicable, minimising emissions of dust and particulates by the movement and handling of materials by using conveyor belt. This should include as appropriate:</p> <ul style="list-style-type: none"> <li>a) covering of conveyors, transfer points and drop points downstream of the shredder; and</li> <li>b) spraying and misting shall be used in dry or windy conditions.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Completed |
| IC3                                           | <p>The operator shall develop and submit a fire prevention plan to the Environment Agency in writing.</p> <p>The plan shall take into account the required information as specified in the Environment Agency's technical guidance, Fire Prevention Plans (version 2, dated March 2015). The appropriate measures for fire prevention shall include:</p> <ul style="list-style-type: none"> <li>• the management of storage of feedstock, product and/or waste piles</li> <li>• measures to prevent, detect and contain fires; and</li> <li>• the management of firewater.</li> </ul> <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the written proposals.</p> <p>The operator shall implement the procedures and measures in accordance with the Environment Agency's written approval.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Completed |
| IC4                                           | <p>The operator shall submit a written plan to the Environment Agency for approval that includes:</p> <ul style="list-style-type: none"> <li>a. proposals to undertake representative monitoring of the air discharged from point A1 including the parameters to be monitored, frequencies of monitoring and methods to be used;</li> <li>b. confirmation that a written report will be submitted to the Environment Agency for approval that includes: <ul style="list-style-type: none"> <li>i) the results of an assessment of the impact of the emission to air from the site using the Environment Agency's 'H1 Environmental Risk Assessment' tool (or equivalent as agreed with the Environment Agency) based on the parameters monitored in (a) above; and</li> <li>ii) proposals for appropriate measures to mitigate the impact of the emission where the assessment determines they are significant, including emissions limits and monitoring and dates for implementation of individual measures; and</li> <li>iii) details of appropriate measures for the operation and maintenance of the abatement system to ensure that where emission limits are proposed they are met or, where emission limits are not required, emissions remain insignificant.</li> </ul> </li> </ul> <p>The operator shall carry out the monitoring in accordance with the Environment Agency's written approval.</p> | Completed |
| IC5                                           | <p>The operator shall submit a written proposal to the Environment Agency to carry out tests to determine the size distribution of the particulate matter in the exhaust gas emissions to air from emission point A1, identifying the fractions within the PM10, and PM2.5 ranges. The proposal shall include a timetable for approval by the Environment Agency to carry out such tests and produce a report on the results.</p> <p>On receipt of written agreement by the Environment Agency to the proposal and the timetable, the Operator shall carry out the tests and submit to the Environment Agency a report on the results.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Completed |

| Table S1.4 Improvement programme requirements          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                     |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IC6 Updated emissions inventory and H1 (air and water) | <p>The operator shall submit a written report to the Environment Agency for approval that proposes a monitoring programme to characterise and assess the facility's point source emissions to air and water (including sewer) in accordance with the Emissions monitoring and limits appropriate measures of technical guidance Waste electrical and electronic equipment: appropriate measures for permitted facilities, dated 13 July 2022 and Treating metal waste in shredders: appropriate measures for permitted facilities, dated 22 October 2021.</p> <p>The report shall detail the parameters and substances that will be tested for, the monitoring methods and equipment that will be used, and a timetable for undertaking the monitoring. The monitoring programme shall be carried out as approved by the Environment Agency.</p> <p>A written report shall submitted to the Environment Agency for approval detailing the results and conclusions of the emissions monitoring and assessment undertaken, including a completed H1 Environmental Risk Assessment and proposals for any ongoing monitoring or further assessment.</p> | <p>Submission of written report proposing monitoring programme<br/>Issue date + 2 months.</p> <p>Submission of subsequent written report detailing monitoring and assessment results<br/>Issue date + 6 months.</p> |
| IC7 Site Drainage                                      | The operator shall review and resubmit their site drainage plan to the Environment Agency for approval. The plan shall demonstrate that adequate segregation of clean and dirty water control measures, impermeable surfacing and a sealed drainage system are in place for external areas of the site where waste is stored or handled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Within 3 months of issue of this permit                                                                                                                                                                             |
| IC8 General Updates to the Management System           | <p>The operator shall review and update their written management system to ensure that they meet the requirements of the Environment Agency's guidance Treating metal waste in shredders: appropriate measures for permitted facilities Version published 20 October 2021 and Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities Version published 13 July 2022, both referred to in Table S1.2. Specifically, the operator must demonstrate that the following appropriate measure(s) of the guidance will be met:</p> <ul style="list-style-type: none"> <li>i) Section 2.1 – items relating to Maintenance Programme and Residues Management Plan and any associated risk assessments</li> <li>ii) Section 2.3 – Accident Management Plan; and</li> <li>iii) Section 4.3 – Updated DSEAR Survey (for Metal Shredding only).</li> </ul> <p>A copy of the updated procedure shall be submitted to the Environment Agency for approval.</p>                                                                                                                                                            | Within [3] months from permit issue                                                                                                                                                                                 |

## Schedule 2 – Waste types, raw materials and fuels

| Table S2.1 Raw materials and fuels |               |
|------------------------------------|---------------|
| Raw materials and fuel description | Specification |
| Diesel Fuel                        | Low Sulphur   |

| Table S2.2 Permitted waste types and quantities for Hazardous Metal Shredding (AR1).                                                |                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Quantities</b>                                                                                                           | The total quantity of waste accepted at the site for treatment shall not exceed 10,000 tonnes per year for Activities AR1 and AR2.<br>Annual throughput for all waste at the site shall not exceed 349,000 tonnes per year.<br>Total waste storage capacity for Activities AR1 and AR2 is 300 tonnes at any one time. |
| <b>Exclusions</b>                                                                                                                   | Wastes having any of the following characteristics shall not be accepted:<br>consisting solely or mainly of dusts, powders or loose fibres; and<br>wastes that are in a form which is either a sludge or liquid.                                                                                                      |
| <b>Waste code</b>                                                                                                                   | <b>Description</b>                                                                                                                                                                                                                                                                                                    |
| <b>16</b>                                                                                                                           | <b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>                                                                                                                                                                                                                                                                     |
| 16 01 21*                                                                                                                           | hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14 (consisting of cable only)                                                                                                                                                                                          |
| 16 01 21* and 16 01 22                                                                                                              | hazardous components commingled with other non-hazardous components not otherwise specified (consisting of cable only)                                                                                                                                                                                                |
| <b>16 02</b>                                                                                                                        | <b>Wastes from electrical and electronic equipment</b>                                                                                                                                                                                                                                                                |
| 16 02 15*                                                                                                                           | Hazardous components removed from discarded equipment (consisting of cable only)                                                                                                                                                                                                                                      |
| 16 02 15* and 16 02 16                                                                                                              | Hazardous components removed from discarded equipment commingled with non-hazardous components removed from discarded equipment (consisting of cable only)                                                                                                                                                            |
| <b>17</b>                                                                                                                           | <b>CONSTRUCTION AND DEMOLITION WASTES</b>                                                                                                                                                                                                                                                                             |
| <b>17 04</b>                                                                                                                        | <b>Metals (including their alloys)</b>                                                                                                                                                                                                                                                                                |
| 17 04 10*                                                                                                                           | Cables containing oil, coal tar and other hazardous substances <sup>Note 1</sup>                                                                                                                                                                                                                                      |
| 17 04 10* and 17 04 11                                                                                                              | Cables containing oil, coal tar and other hazardous substances commingled with non-hazardous cable wastes <sup>Note 1</sup>                                                                                                                                                                                           |
| <sup>Note 1</sup> Waste cables accepted under this code must not contain oil or coal tar to avoid contamination of treatment plant. |                                                                                                                                                                                                                                                                                                                       |

| <b>Table S2.3 Permitted waste types and quantities for Metal Shredding (AR9)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Quantities</b>                                                        | <p>The total quantity of waste accepted at the site shall not exceed 27,375 tonnes per year for Activities AR7 and AR8.</p> <p>Annual throughput for all waste at the site shall not exceed 349,000 tonnes per year.</p> <p>Total daily waste storage capacity for Activity AR8 is 300 tonnes.</p> <p>No more than 75 tonnes per day of non-hazardous waste is to be subjected to shredding or granulation carried out on site.</p> |
| <b>Exclusions</b>                                                                | <p>Wastes having any of the following characteristics shall not be accepted: consisting solely or mainly of dusts, powders or loose fibres; and wastes that are in a form which is either a sludge or liquid.</p>                                                                                                                                                                                                                   |
| <b>Waste code</b>                                                                | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>17</b>                                                                        | <b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>                                                                                                                                                                                                                                                                                                                                        |
| <b>17 04</b>                                                                     | <b>Metals (including their alloys)</b>                                                                                                                                                                                                                                                                                                                                                                                              |
| 17 04 11                                                                         | Cables other than those mentioned in 17 04 10                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>19</b>                                                                        | <b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE</b>                                                                                                                                                                                                                                                      |
| <b>19 10</b>                                                                     | <b>Wastes from shredding of metal containing wastes</b>                                                                                                                                                                                                                                                                                                                                                                             |
| 19 10 02                                                                         | Non-ferrous wastes                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>19 12</b>                                                                     | <b>Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>                                                                                                                                                                                                                                                                                               |
| 19 12 03                                                                         | Non-ferrous metal                                                                                                                                                                                                                                                                                                                                                                                                                   |

| <b>Table S2.4 Permitted waste types and quantities for Vehicle storage, depollution and dismantling (authorised treatment) facility (AR10)</b> |                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Quantities</b>                                                                                                                      | <p>The total quantity of waste accepted at the site shall not exceed 20,000 tonnes per year for Activity AR10.</p> <p>The Annual Throughput for all waste accepted at the site shall not exceed 349,000 tonnes per year.</p> <p>Total daily waste storage and treatment capacity for Activity AR10 is 100 tonnes.</p> |
| <b>Exclusions</b>                                                                                                                              | <p>Wastes having any of the following characteristics shall not be accepted: consisting solely or mainly of dusts, powders or loose fibres; and wastes that are in a form which is either a sludge or liquid.</p>                                                                                                     |
| <b>Waste code</b>                                                                                                                              | <b>Description</b>                                                                                                                                                                                                                                                                                                    |
| <b>16</b>                                                                                                                                      | <b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>                                                                                                                                                                                                                                                                     |
| <b>16 01</b>                                                                                                                                   | <b>end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)</b>                                                                                                             |
| 16 01 03                                                                                                                                       | end of life tyres                                                                                                                                                                                                                                                                                                     |
| 16 01 04*                                                                                                                                      | end-of-life vehicles                                                                                                                                                                                                                                                                                                  |
| 16 01 06                                                                                                                                       | end-of life vehicles (containing neither liquids nor other hazardous components)                                                                                                                                                                                                                                      |
| 16 01 12                                                                                                                                       | brake pads other than those mentioned in 16 01 11                                                                                                                                                                                                                                                                     |
| 16 01 16                                                                                                                                       | tanks for liquefied gas                                                                                                                                                                                                                                                                                               |
| 16 01 17                                                                                                                                       | ferrous metal                                                                                                                                                                                                                                                                                                         |

| <b>Table S2.4 Permitted waste types and quantities for Vehicle storage, depollution and dismantling (authorised treatment) facility (AR10)</b> |                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Quantities</b>                                                                                                                      | <p>The total quantity of waste accepted at the site shall not exceed 20,000 tonnes per year for Activity AR10.</p> <p>The Annual Throughput for all waste accepted at the site shall not exceed 349,000 tonnes per year.</p> <p>Total daily waste storage and treatment capacity for Activity AR10 is 100 tonnes.</p> |
| <b>Exclusions</b>                                                                                                                              | <p>Wastes having any of the following characteristics shall not be accepted: consisting solely or mainly of dusts, powders or loose fibres; and wastes that are in a form which is either a sludge or liquid.</p>                                                                                                     |
| <b>Waste code</b>                                                                                                                              | <b>Description</b>                                                                                                                                                                                                                                                                                                    |
| 16 01 18                                                                                                                                       | non-ferrous metal                                                                                                                                                                                                                                                                                                     |
| 16 01 19                                                                                                                                       | plastic                                                                                                                                                                                                                                                                                                               |
| 16 01 20                                                                                                                                       | glass                                                                                                                                                                                                                                                                                                                 |
| 16 01 22                                                                                                                                       | components not otherwise specified                                                                                                                                                                                                                                                                                    |
| <b>16 06</b>                                                                                                                                   | <b>batteries and accumulators</b>                                                                                                                                                                                                                                                                                     |
| 16 06 05                                                                                                                                       | other batteries and accumulators                                                                                                                                                                                                                                                                                      |

| <b>Table S2.5 Permitted Waste types and quantities for Waste Electrical and Electronic Equipment authorised treatment facility (AR11)</b> |                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Quantities</b>                                                                                                                 | <p>The total quantity of waste accepted at the site for processing under Activity AR11 shall be less than 40,000 tonnes a year.</p> <p>Annual throughput for all waste accepted at the site shall not exceed 349,000 tonnes per year.</p> <p>Total daily waste treatment capacity for Activity AR11 is 350 tonnes.</p> |
| <b>Exclusions</b>                                                                                                                         | <p>Wastes having any of the following characteristics shall not be accepted: Consisting solely or mainly of dusts, powders or loose fibres</p> <p>Wastes highlighted in red should only be included where specifically requested and justified.</p>                                                                    |
| <b>Waste Code</b>                                                                                                                         | <b>Description</b>                                                                                                                                                                                                                                                                                                     |
| <b>16</b>                                                                                                                                 | <b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>                                                                                                                                                                                                                                                                      |
| <b>16 02</b>                                                                                                                              | <b>wastes from electrical and electronic equipment</b>                                                                                                                                                                                                                                                                 |
| 16 02 14                                                                                                                                  | discarded equipment other than those mentioned in 16 02 09 to 16 02 13                                                                                                                                                                                                                                                 |
| 16 02 16                                                                                                                                  | components removed from discarded equipment other than those mentioned in 16 02 15                                                                                                                                                                                                                                     |
| <b>16 06</b>                                                                                                                              | <b>batteries and accumulators</b>                                                                                                                                                                                                                                                                                      |
| 16 06 04                                                                                                                                  | alkaline batteries (except 16 06 03)                                                                                                                                                                                                                                                                                   |
| 16 06 05                                                                                                                                  | other batteries and accumulators                                                                                                                                                                                                                                                                                       |
| <b>20</b>                                                                                                                                 | <b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>                                                                                                                                                                         |
| <b>20 01</b>                                                                                                                              | <b>separately collected fractions (except 15 01)</b>                                                                                                                                                                                                                                                                   |
| 20 01 34                                                                                                                                  | batteries and accumulators other than those mentioned in 20 01 33                                                                                                                                                                                                                                                      |

| <b>Table S2.5 Permitted Waste types and quantities for Waste Electrical and Electronic Equipment authorised treatment facility (AR11)</b> |                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Quantities</b>                                                                                                                 | <p>The total quantity of waste accepted at the site for processing under Activity AR11 shall be less than 40,000 tonnes a year.</p> <p>Annual throughput for all waste accepted at the site shall not exceed 349,000 tonnes per year.</p> <p>Total daily waste treatment capacity for Activity AR11 is 350 tonnes.</p> |
| <b>Exclusions</b>                                                                                                                         | <p>Wastes having any of the following characteristics shall not be accepted:</p> <p>Consisting solely or mainly of dusts, powders or loose fibres</p> <p>Wastes highlighted in red should only be included where specifically requested and justified.</p>                                                             |
| <b>Waste Code</b>                                                                                                                         | <b>Description</b>                                                                                                                                                                                                                                                                                                     |
| 20 01 36                                                                                                                                  | discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35                                                                                                                                                                                                            |

| <b>Table S2.6 Permitted Waste types and quantities for Metal Recycling (AR12)</b> |                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Quantities</b>                                                         | <p>The total quantity of waste accepted at the site for processing under Activity AR12 shall be less than 265,000 tonnes a year.</p> <p>The annual throughput for all waste accepted at the site shall not exceed 349,000 tonnes.</p> <p>Total daily waste storage and treatment capacity for Activity AR12 is 850 tonnes.</p> |
| <b>Exclusions</b>                                                                 | <p>Wastes having any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> <li>Consisting solely or mainly of dusts, powders or loose fibres; or</li> <li>Wastes that are in a form which is either sludge or liquid.</li> </ul>                                                      |
| <b>Waste Code</b>                                                                 | <b>Description</b>                                                                                                                                                                                                                                                                                                             |
| <b>16</b>                                                                         | <b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>                                                                                                                                                                                                                                                                              |
| <b>16 01</b>                                                                      | <b>end-of-life vehicles from different means of transport (including off-road machinery) and waste from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)</b>                                                                                                                       |
| 16 01 06                                                                          | end-of life vehicles (containing neither liquids nor other hazardous components)                                                                                                                                                                                                                                               |
| 16 01 17                                                                          | ferrous metal                                                                                                                                                                                                                                                                                                                  |
| 16 01 18                                                                          | non-ferrous metal                                                                                                                                                                                                                                                                                                              |
| 16 01 22                                                                          | components not otherwise specified                                                                                                                                                                                                                                                                                             |
| <b>17</b>                                                                         | <b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>                                                                                                                                                                                                                                   |
| <b>17 04</b>                                                                      | <b>metals (including their alloys)</b>                                                                                                                                                                                                                                                                                         |
| 17 04 01                                                                          | copper, bronze, brass                                                                                                                                                                                                                                                                                                          |
| 17 04 02                                                                          | aluminium                                                                                                                                                                                                                                                                                                                      |
| 17 04 03                                                                          | lead                                                                                                                                                                                                                                                                                                                           |
| 17 04 04                                                                          | zinc                                                                                                                                                                                                                                                                                                                           |
| 17 04 05                                                                          | iron and steel                                                                                                                                                                                                                                                                                                                 |
| 17 04 06                                                                          | tin                                                                                                                                                                                                                                                                                                                            |

| <b>Table S2.6 Permitted Waste types and quantities for Metal Recycling (AR12)</b> |                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Quantities</b>                                                         | The total quantity of waste accepted at the site for processing under Activity AR12 shall be less than 265,000 tonnes a year.<br>The annual throughput for all waste accepted at the site shall not exceed 349,000 tonnes.<br>Total daily waste storage and treatment capacity for Activity AR12 is 850 tonnes. |
| <b>Exclusions</b>                                                                 | Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> <li>• Consisting solely or mainly of dusts, powders or loose fibres; or</li> <li>• Wastes that are in a form which is either sludge or liquid.</li> </ul>                                          |
| 17 04 07                                                                          | mixed metals                                                                                                                                                                                                                                                                                                    |
| 17 04 11                                                                          | cables other than those mentioned in 17 04 10                                                                                                                                                                                                                                                                   |
| <b>19</b>                                                                         | <b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE</b>                                                                                                                                  |
| <b>19 01</b>                                                                      | <b>wastes from incineration or pyrolysis of waste</b>                                                                                                                                                                                                                                                           |
| 19 01 02                                                                          | ferrous materials removed from bottom ash                                                                                                                                                                                                                                                                       |
| <b>19 10</b>                                                                      | <b>wastes from shredding of metal-containing wastes</b>                                                                                                                                                                                                                                                         |
| 19 10 01                                                                          | iron and steel waste                                                                                                                                                                                                                                                                                            |
| 19 10 02                                                                          | non-ferrous wastes                                                                                                                                                                                                                                                                                              |
| <b>19 12</b>                                                                      | <b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>                                                                                                                                                                           |
| 19 12 02                                                                          | ferrous metal                                                                                                                                                                                                                                                                                                   |
| 19 12 03                                                                          | non-ferrous metal                                                                                                                                                                                                                                                                                               |
| <b>20</b>                                                                         | <b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>                                                                                                                                                                  |
| <b>20 01</b>                                                                      | <b>separately collected fractions (except 15 01)</b>                                                                                                                                                                                                                                                            |
| 20 01 40                                                                          | metals                                                                                                                                                                                                                                                                                                          |

| <b>Table S2.7 Permitted Waste types and quantities for Furnace Ready Scrap Storage (AR13)</b> |                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Quantities</b>                                                                     | The total quantity of waste accepted at the site for processing under Activity AR13 shall be less than 245,000 tonnes a year.<br>Annual throughput for all waste accepted at the site shall not exceed 349,000 tonnes per year.<br>Total daily waste storage and treatment capacity for Activity AR13 is 550 tonnes. |
| <b>Exclusions</b>                                                                             | Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> <li>• Consisting solely or mainly of dusts, powders or loose fibres</li> <li>• Wastes that are in a form which is either sludge or liquid</li> </ul>                                                    |
| <b>Waste Code</b>                                                                             | <b>Description</b>                                                                                                                                                                                                                                                                                                   |
| <b>16</b>                                                                                     | <b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>                                                                                                                                                                                                                                                                    |

| <b>Table S2.7 Permitted Waste types and quantities for Furnace Ready Scrap Storage (AR13)</b> |                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Quantities</b>                                                                     | <p>The total quantity of waste accepted at the site for processing under Activity AR13 shall be less than 245,000 tonnes a year.</p> <p>Annual throughput for all waste accepted at the site shall not exceed 349,000 tonnes per year.</p> <p>Total daily waste storage and treatment capacity for Activity AR13 is 550 tonnes.</p> |
| <b>Exclusions</b>                                                                             | <p>Wastes having any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> <li>• Consisting solely or mainly of dusts, powders or loose fibres</li> <li>• Wastes that are in a form which is either sludge or liquid</li> </ul>                                                            |
| <b>Waste Code</b>                                                                             | <b>Description</b>                                                                                                                                                                                                                                                                                                                  |
| <b>16 01</b>                                                                                  | <b>end-of-life vehicles from different means of transport (including off-road machinery) and waste from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)</b>                                                                                                                            |
| 16 01 17                                                                                      | ferrous metal                                                                                                                                                                                                                                                                                                                       |
| 16 01 18                                                                                      | non-ferrous metal                                                                                                                                                                                                                                                                                                                   |
| 16 01 22                                                                                      | components not otherwise specified (ferrous and non-ferrous metal waste only)                                                                                                                                                                                                                                                       |
| <b>16 02</b>                                                                                  | <b>discarded equipment and its components</b>                                                                                                                                                                                                                                                                                       |
| 16 02 14                                                                                      | discarded equipment other than those mentioned in 16 02 09 to 16 02 13 (ferrous and non-ferrous metal waste only)                                                                                                                                                                                                                   |
| 16 02 16                                                                                      | components removed from discarded equipment other than those mentioned in 16 02 15 (ferrous and non-ferrous metal waste only)                                                                                                                                                                                                       |
| <b>17</b>                                                                                     | <b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>                                                                                                                                                                                                                                        |
| <b>17 04</b>                                                                                  | <b>metals (including their alloys)</b>                                                                                                                                                                                                                                                                                              |
| 17 04 01                                                                                      | copper, bronze, brass                                                                                                                                                                                                                                                                                                               |
| 17 04 02                                                                                      | aluminium                                                                                                                                                                                                                                                                                                                           |
| 17 04 03                                                                                      | lead                                                                                                                                                                                                                                                                                                                                |
| 17 04 04                                                                                      | zinc                                                                                                                                                                                                                                                                                                                                |
| 17 04 05                                                                                      | iron and steel                                                                                                                                                                                                                                                                                                                      |
| 17 04 06                                                                                      | tin                                                                                                                                                                                                                                                                                                                                 |
| 17 04 07                                                                                      | mixed metals                                                                                                                                                                                                                                                                                                                        |
| 17 04 11                                                                                      | cables other than those mentioned in 17 04 10                                                                                                                                                                                                                                                                                       |
| <b>19</b>                                                                                     | <b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE</b>                                                                                                                                                      |
| <b>19 01</b>                                                                                  | <b>wastes from incineration or pyrolysis of waste</b>                                                                                                                                                                                                                                                                               |
| 19 01 02                                                                                      | ferrous materials removed from bottom ash                                                                                                                                                                                                                                                                                           |
| <b>19 10</b>                                                                                  | <b>wastes from shredding of metal-containing wastes</b>                                                                                                                                                                                                                                                                             |
| 19 10 01                                                                                      | iron and steel waste                                                                                                                                                                                                                                                                                                                |
| 19 10 02                                                                                      | non-ferrous wastes                                                                                                                                                                                                                                                                                                                  |

| <b>Table S2.7 Permitted Waste types and quantities for Furnace Ready Scrap Storage (AR13)</b> |                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Quantities</b>                                                                     | <p>The total quantity of waste accepted at the site for processing under Activity AR13 shall be less than 245,000 tonnes a year.</p> <p>Annual throughput for all waste accepted at the site shall not exceed 349,000 tonnes per year.</p> <p>Total daily waste storage and treatment capacity for Activity AR13 is 550 tonnes.</p> |
| <b>Exclusions</b>                                                                             | <p>Wastes having any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> <li>• Consisting solely or mainly of dusts, powders or loose fibres</li> <li>• Wastes that are in a form which is either sludge or liquid</li> </ul>                                                            |
| <b>Waste Code</b>                                                                             | <b>Description</b>                                                                                                                                                                                                                                                                                                                  |
| <b>19 12</b>                                                                                  | <b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>                                                                                                                                                                                               |
| 19 12 02                                                                                      | ferrous metal                                                                                                                                                                                                                                                                                                                       |
| 19 12 03                                                                                      | non-ferrous metal                                                                                                                                                                                                                                                                                                                   |
| <b>20</b>                                                                                     | <b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>                                                                                                                                                                                      |
| <b>20 01</b>                                                                                  | <b>separately collected fractions (except 15 01)</b>                                                                                                                                                                                                                                                                                |
| 20 01 40                                                                                      | metals                                                                                                                                                                                                                                                                                                                              |

| <b>Table S2.8 Permitted hazardous waste types and quantities for storage (AR3)</b> |                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum quantity</b>                                                            | <p>Total hazardous wastes shall not exceed 940 tonnes present on site, at any one time.</p> <p>Total hazardous wastes accepted at the site per year, shall not exceed 69,000 tonnes.</p>                  |
| <b>Waste code</b>                                                                  | <b>Description</b>                                                                                                                                                                                        |
| <b>16</b>                                                                          | <b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>                                                                                                                                                         |
| <b>16 01</b>                                                                       | <b>end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)</b> |
| 16 01 07*                                                                          | oil filters                                                                                                                                                                                               |
| 16 01 08*                                                                          | Components containing mercury                                                                                                                                                                             |
| 16 01 09*                                                                          | Components containing PCBs                                                                                                                                                                                |
| 16 01 10*                                                                          | Explosive components (for example, air bags)                                                                                                                                                              |
| 16 01 11*                                                                          | brake pads containing asbestos                                                                                                                                                                            |
| 16 01 21*                                                                          | hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14                                                                                                         |
| 16 01 21* and 16 01 22                                                             | hazardous components commingled with other non-hazardous components not otherwise specified (consisting of cable only)                                                                                    |
| <b>16 02</b>                                                                       | <b>discarded equipment and its components</b>                                                                                                                                                             |
| 16 02 09*                                                                          | transformers and capacitors containing PCBs                                                                                                                                                               |
| 16 02 10*                                                                          | discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09                                                                                                             |

| <b>Table S2.8 Permitted hazardous waste types and quantities for storage (AR3)</b> |                                                                                                                                                                               |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum quantity</b>                                                            | Total hazardous wastes shall not exceed 940 tonnes present on site, at any one time.<br>Total hazardous wastes accepted at the site per year, shall not exceed 69,000 tonnes. |
| <b>Waste code</b>                                                                  | <b>Description</b>                                                                                                                                                            |
| 16 02 12*                                                                          | discarded equipment containing free asbestos                                                                                                                                  |
| 16 02 13*                                                                          | discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12                                                                        |
| 16 02 15*                                                                          | hazardous components removed from discarded equipment                                                                                                                         |
| 16 02 15* and 16 02 16                                                             | Hazardous components removed from discarded equipment commingled with non-hazardous components removed from discarded equipment (consisting of cable only)                    |
| <b>16 06</b>                                                                       | <b>batteries and accumulators</b>                                                                                                                                             |
| 16 06 01*                                                                          | lead batteries                                                                                                                                                                |
| 16 06 02*                                                                          | Ni-Cd batteries                                                                                                                                                               |
| 16 06 03*                                                                          | mercury-containing batteries                                                                                                                                                  |
| <b>17</b>                                                                          | <b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>                                                                                  |
| <b>17 04</b>                                                                       | <b>metals (including their alloys)</b>                                                                                                                                        |
| 17 04 10*                                                                          | Cables containing oil, coal tar and other hazardous substances                                                                                                                |
| 17 04 10* and 17 04 11                                                             | Cables containing oil, coal tar and other hazardous substances commingled with non-hazardous cable wastes                                                                     |
| <b>20</b>                                                                          | <b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>                                |
| <b>20 01</b>                                                                       | <b>separately collected fractions (except 15 01)</b>                                                                                                                          |
| 20 01 33*                                                                          | batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries                                      |
| 20 01 35*                                                                          | discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components                                             |

## Schedule 3 – Emissions and monitoring

| Table S3.1 Point source emissions to air – emission limits and monitoring requirements |                                                                                                            |                                                        |                        |                                                                    |                      |                               |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------|--------------------------------------------------------------------|----------------------|-------------------------------|
| Emission point ref. & location                                                         | Source                                                                                                     | Parameter                                              | Limit (including unit) | Reference period                                                   | Monitoring frequency | Monitoring standard or method |
| A1 (E1 on the Site Plan shown in Schedule 7 of this permit)                            | Metal shredder air extraction and abatement system<br>Emissions control system exhaust from metal shredder | Dust                                                   | 5 mg/m <sup>3</sup>    | Average value of 3 consecutive measurements of at least 30 minutes | 6 monthly            | EN 13284-1                    |
|                                                                                        |                                                                                                            | Total VOCs                                             | No limit set           | Average value of 3 consecutive measurements of at least 30 minutes | 6 monthly            | EN 12619                      |
|                                                                                        |                                                                                                            | Brominated flame retardants                            | No limit set           | Average value of 3 consecutive measurements of at least 30 minutes | Annually<br>Note 1   | BS EN 1948                    |
|                                                                                        |                                                                                                            | Dioxin-like polychlorinated biphenyls (PCBs)           | No limit set           | Average value of 3 consecutive measurements of at least 30 minutes | Annually<br>Note 1   | EN 1948-1, 2, 4.              |
|                                                                                        |                                                                                                            | Metals (As, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V) | No limit set           | Average value of 3 consecutive measurements of at least 30 minutes | Annually<br>Note 1   | EN 14385                      |
|                                                                                        |                                                                                                            | Dioxins and furans (PCDD/F)                            | No limit set           | Average value of 3 consecutive measurements of at least 30 minutes | Annually<br>Note 1   | EN 1948-1, 2, 3               |
| A2 - (E4 on the Site Plan in Schedule 7 of this permit)                                | Secondary Dust Extraction from treatment building                                                          | Dust                                                   | 5 mg/m <sup>3</sup>    | Average value of 3 consecutive measurements of at least 30 minutes | 6 monthly            | EN 13284-1                    |
|                                                                                        |                                                                                                            | Total VOCs                                             | No limit set           | Average value of 3 consecutive measurements of at least 30 minutes | 6 monthly            | EN 12619                      |

| Table S3.1 Point source emissions to air – emission limits and monitoring requirements                                    |                                                   |                                                        |                        |                                                                    |                      |                               |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------|------------------------|--------------------------------------------------------------------|----------------------|-------------------------------|
| Emission point ref. & location                                                                                            | Source                                            | Parameter                                              | Limit (including unit) | Reference period                                                   | Monitoring frequency | Monitoring standard or method |
| A2 - (E4 on the Site Plan in Schedule 7 of this permit)                                                                   | Secondary Dust Extraction from treatment building | Brominated flame retardants                            | No limit set           | Average value of 3 consecutive measurements of at least 30 minutes | Annually<br>Note 1   | BS EN 1948                    |
|                                                                                                                           |                                                   | Dioxin-like polychlorinated biphenyls (PCBs)           | No limit set           | Average value of 3 consecutive measurements of at least 30 minutes | Annually<br>Note 1   | EN 1948-1, 2, 4.              |
|                                                                                                                           |                                                   | Metals (As, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V) | No limit set           | Average value of 3 consecutive measurements of at least 30 minutes | Annually<br>Note 1   | EN 14385                      |
|                                                                                                                           |                                                   | Dioxins and furans (PCDD/F)                            | No limit set           | Average value of 3 consecutive measurements of at least 30 minutes | Annually<br>Note 1   | EN 1948-1, 2, 3               |
| Note 1: An alternative monitoring frequency may be agreed in writing with Environment Agency following completion of IC6. |                                                   |                                                        |                        |                                                                    |                      |                               |

| Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements |                                                                                               |               |                    |                  |                      |                               |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------|--------------------|------------------|----------------------|-------------------------------|
| Emission point ref. & location                                                                                       | Source                                                                                        | Parameter     | Limit (incl. unit) | Reference Period | Monitoring frequency | Monitoring standard or method |
| W1 ( E3 on the Site Plan in Schedule 7 of this permit) emission to land                                              | Uncontaminated site surface water from roofs and non-operational areas via an oil interceptor | Oil or grease | None visible       | -                | Daily                | Visual assessment             |

| Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements |                                |                       |                    |                           |                               |                               |
|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------|--------------------|---------------------------|-------------------------------|-------------------------------|
| Emission point ref. & location                                                                                                                 | Source                         | Parameter             | Limit (incl. unit) | Reference period (Note 1) | Monitoring frequency (Note 2) | Monitoring standard or method |
| S1 ( E2 on the Site Plan in Schedule 7 of                                                                                                      | Process water and site surface | Hydrocarbon oil index | 10 mg/l            | -                         | Monthly                       | EN ISO 9377-2                 |

| Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements |                   |                          |                    |                           |                               |                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------|--------------------|---------------------------|-------------------------------|--------------------------------------------------|
| Emission point ref. & location                                                                                                                 | Source            | Parameter                | Limit (incl. unit) | Reference period (Note 1) | Monitoring frequency (Note 2) | Monitoring standard or method                    |
| the permit)<br>emission to<br>Thames Water<br>Sewage<br>Treatment Works                                                                        | water<br>drainage | Arsenic                  | 0.05 mg/l          | -                         | Monthly                       | EN ISO 11885<br>EN ISO 17294-2<br>BS ISO 17378-1 |
|                                                                                                                                                |                   | Cadmium                  | 0.05 mg/l          | -                         | Monthly                       | EN ISO 11885<br>EN ISO 17294-2<br>BS EN ISO 5961 |
|                                                                                                                                                |                   | Chromium                 | 0.15 mg/l          | -                         | Monthly                       | EN ISO 11885<br>EN ISO 17294-2<br>BS EN 1233     |
|                                                                                                                                                |                   | Copper                   | 0.5 mg/l           | -                         | Monthly                       | EN ISO 11885<br>EN ISO 17294-2                   |
|                                                                                                                                                |                   | Lead                     | 0.1 mg/l           | -                         | Monthly                       | EN ISO 11885<br>EN ISO 17294-2                   |
|                                                                                                                                                |                   | Nickel                   | 0.5 mg/l           | -                         | Monthly                       | EN ISO 11885<br>EN ISO 17294-2                   |
|                                                                                                                                                |                   | Zinc                     | 1.0 mg/l           | -                         | Monthly                       | EN ISO 11885<br>EN ISO 17294-2                   |
|                                                                                                                                                |                   | Mercury                  | 0.005 mg/l         | -                         | Monthly                       | BS EN ISO 17852                                  |
|                                                                                                                                                |                   | PFOA<br>PFAS<br>Deca BDE | -                  | -                         | 6 monthly                     | BS ISO 25101                                     |

| Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |           |                    |                           |                               |                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|--------------------|---------------------------|-------------------------------|-------------------------------|
| Emission point ref. & location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Source | Parameter | Limit (incl. unit) | Reference period (Note 1) | Monitoring frequency (Note 2) | Monitoring standard or method |
| <p>Note 1 - Relevant reference period:</p> <ul style="list-style-type: none"> <li>• In the case of continuous discharge, daily average values, i.e. 24-hour flow-proportional composite samples.</li> <li>• In the case of batch discharge, average values over the release duration taken as flow-proportional composite samples, or, provided that the effluent is appropriately mixed and homogeneous, a spot sample taken before discharge.</li> </ul> <p>Note 2 – Monitoring frequencies may be reduced by written agreement of the Environment Agency if emission levels are proven to be sufficiently stable.</p> |        |           |                    |                           |                               |                               |

| Table S3.4 Ambient monitoring requirements                                                                                                                                                |                                                                                                    |                                                                           |                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Location or description of point of measurement                                                                                                                                           | Parameter                                                                                          | Monitoring frequency                                                      | Monitoring standard or method                                                                                                                                                                                                                                            | Other specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| At a location or locations agreed in writing with the Environment Agency that will obtain reliable and representative data on particulate emissions from the waste management operations. | Total suspended particulates (TSP) unless otherwise agreed in writing with the Environment Agency. | Quarterly unless otherwise agreed in writing with the Environment Agency. | <p>The equipment shall be operated to a procedure agreed in writing with the Environment Agency.</p> <p>The emissions management plan must include action levels and regular review cycles with an overriding aim to reduce particulate emissions from the facility.</p> | <p>Monitoring equipment shall meet the MCERTS Performance Standards for Indicative Ambient Particulate Monitors or similar standard agreed in writing with the Environment Agency.</p> <p>The equipment shall be calibrated in accordance with the manufacturer's recommendations or 6 monthly, whichever is first.</p> <p>The system must be managed and maintained by suitably trained personnel.</p> <p>The system must obtain representative data that must accurately reflect TSP levels produced by the site's activities.</p> |

| Table S3.5 Noise monitoring requirements                             |           |                                                  |                               |                      |
|----------------------------------------------------------------------|-----------|--------------------------------------------------|-------------------------------|----------------------|
| Location or description of point of measurement                      | Parameter | Monitoring frequency                             | Monitoring standard or method | Other specifications |
| Perimeter noise survey at grid reference TQ 35044 92545 – Rays Road. | Noise     | As agreed in writing with the Environment Agency | BS 4142:2014                  | -                    |

## Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

| <b>Table S4.1 Reporting of monitoring data</b>                      |                                                 |                                                                                           |                      |
|---------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------|
| <b>Parameter</b>                                                    | <b>Emission or monitoring point/reference</b>   | <b>Reporting period</b>                                                                   | <b>Period begins</b> |
| Ambient Air monitoring<br>Parameters as required by condition 3.5.1 | As agreed in writing by the Environment Agency. | Quarterly or as agreed in writing by the Environment Agency.                              | 1 January            |
| Emissions to Air<br>Parameters as required by condition 3.5.1       | As agreed in writing by the Environment Agency. | Every 6 months, or as agreed in writing by the Environment Agency.                        | 1 January            |
| Noise monitoring<br>Parameters as required by condition 3.5.1       | As agreed in writing by the Environment Agency. | As specified in noise management plan or as agreed in writing with the Environment Agency | 1 January            |
| Emissions to water<br>Parameters as required by condition 3.5.1     | W1, S1                                          | Every 6 months, or as agreed in writing by the Environment Agency.                        | 1 January, 1 July    |

| <b>Table S4.2 Annual production/treatment</b> |              |
|-----------------------------------------------|--------------|
| <b>Parameter</b>                              | <b>Units</b> |
| Metal treated                                 | tonnes       |
| Ferrous metal recovered                       | tonnes       |
| Non-ferrous metal recovered                   | tonnes       |
| Non-metallic shredder residue                 | tonnes       |
| WEEE treated                                  | tonnes       |
| Other fractions recovered                     | tonnes       |

| <b>Table S4.3 Performance parameters</b> |                                |                |
|------------------------------------------|--------------------------------|----------------|
| <b>Parameter</b>                         | <b>Frequency of assessment</b> | <b>Units</b>   |
| Water usage                              | Annually                       | m <sup>3</sup> |
| Energy usage                             | Annually                       | MWh            |
| Total raw material used                  | Annually                       | tonne          |

| <b>Table S4.4 Reporting forms</b> |                                                                                        |                     |
|-----------------------------------|----------------------------------------------------------------------------------------|---------------------|
| <b>Media/parameter</b>            | <b>Reporting format</b>                                                                | <b>Date of form</b> |
| Air                               | Form air 1 or other form as agreed in writing by the Environment Agency                | 08/03/2021          |
| Water and Land                    | Form water 1 or other form as agreed in writing by the Environment Agency              | 08/03/2021          |
| Sewer                             | Form sewer 1 or other form as agreed in writing by the Environment Agency              | 08/03/2021          |
| Ambient air monitoring            | Form ambient monitoring 1 or other form as agreed in writing by the Environment Agency | 08/03/2021          |
| Water usage                       | Form water usage 1 or other form as agreed in writing by the Environment Agency        | 08/03/2021          |
| Energy usage                      | Form energy 1 or other form as agreed in writing by the Environment Agency             | 08/03/2021          |
| Other performance indicators      | Form performance 1 or other form as agreed in writing by the Environment Agency        | 08/03/2021          |
| Waste returns                     | E-waste returns                                                                        | --                  |

## Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

### Part A

|                                |  |
|--------------------------------|--|
| Permit Number                  |  |
| Name of operator               |  |
| Location of Facility           |  |
| Time and date of the detection |  |

|                                                                                                                                                                                                                                                     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution</b> |  |
| <b>To be notified within 24 hours of detection</b>                                                                                                                                                                                                  |  |
| Date and time of the event                                                                                                                                                                                                                          |  |
| Reference or description of the location of the event                                                                                                                                                                                               |  |
| Description of where any release into the environment took place                                                                                                                                                                                    |  |
| Substances(s) potentially released                                                                                                                                                                                                                  |  |
| Best estimate of the quantity or rate of release of substances                                                                                                                                                                                      |  |
| Measures taken, or intended to be taken, to stop any emission                                                                                                                                                                                       |  |
| Description of the failure or accident.                                                                                                                                                                                                             |  |

|                                                                                     |  |
|-------------------------------------------------------------------------------------|--|
| <b>(b) Notification requirements for the breach of a limit</b>                      |  |
| <b>To be notified within 24 hours of detection unless otherwise specified below</b> |  |
| Emission point reference/ source                                                    |  |
| Parameter(s)                                                                        |  |
| Limit                                                                               |  |
| Measured value and uncertainty                                                      |  |
| Date and time of monitoring                                                         |  |

|                                                                                     |  |
|-------------------------------------------------------------------------------------|--|
| <b>(b) Notification requirements for the breach of a limit</b>                      |  |
| <b>To be notified within 24 hours of detection unless otherwise specified below</b> |  |
| Measures taken, or intended to be taken, to stop the emission                       |  |

|                                                                                 |                            |
|---------------------------------------------------------------------------------|----------------------------|
| <b>Time periods for notification following detection of a breach of a limit</b> |                            |
| <b>Parameter</b>                                                                | <b>Notification period</b> |
|                                                                                 |                            |
|                                                                                 |                            |
|                                                                                 |                            |

|                                                                                                |  |
|------------------------------------------------------------------------------------------------|--|
| <b>(c) Notification requirements for the breach of permit conditions not related to limits</b> |  |
| <b>To be notified within 24 hours of detection</b>                                             |  |
| Condition breached                                                                             |  |
| Date, time and duration of breach                                                              |  |
| Details of the permit breach i.e. what happened including impacts observed.                    |  |
| Measures taken, or intended to be taken, to restore permit compliance.                         |  |

|                                                                                                        |  |
|--------------------------------------------------------------------------------------------------------|--|
| <b>(d) Notification requirements for the detection of any significant adverse environmental effect</b> |  |
| <b>To be notified within 24 hours of detection</b>                                                     |  |
| Description of where the effect on the environment was detected                                        |  |
| Substances(s) detected                                                                                 |  |
| Concentrations of substances detected                                                                  |  |
| Date of monitoring/sampling                                                                            |  |

## Part B – to be submitted as soon as practicable

|                                                                                                                                                        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Any more accurate information on the matters for notification under Part A.                                                                            |  |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident                                                                       |  |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission |  |
| The dates of any unauthorised emissions from the facility in the preceding 24 months.                                                                  |  |

|           |  |
|-----------|--|
| Name*     |  |
| Post      |  |
| Signature |  |
| Date      |  |

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“baling” means baling that utilises a hydraulic machine that using compressive forces compacts various materials into regular-shaped dense bales (typically a cube). Bales may be belted with straps or steel wire to keep the bale in its compacted state; although for most metal bales this is not necessary. Baled scrap metal may be easier to handle, store and transport than loose scrap.

“compacting” means compacting involving the flattening or crushing of compactable metal wastes to aid storage and economic transportation to the scrap processor; it is often a preparation for shredding. Compacting may be achieved using a waste handler’s loading shovel (known as “tapping”) or specially-designed hydraulic flattener.

“Contained environment” means an environment where there is atmospheric containment. This includes areas where air egress may only be facilitated through air extraction and blowing agent capture systems.

“controlled substances” means chlorofluorocarbons, other fully halogenated chlorofluorocarbons, halons, carbon tetrachloride, 1,1,1-trichloroethane, methyl bromide, hydrobromofluorocarbons and hydrochlorofluorocarbons listed in Annex I of Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer, including their isomers, whether alone or in a mixture, and whether they are virgin, recovered, recycled or reclaimed.

“cutting” means cutting typically utilising either an oxy-acetylene gas cutting torch or abrasive disc cutter to cut and/or resize large pieces of scrap metal into more manageable sizes; powder torches and plasma torches may be used to cut heat-resistant scrap e.g. pig iron, copper, bronze).

“Defective unit” means a WTEE unit that does not have any gas pressure in the cooling circuit.

“disposal” means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“dust” means total particulate matter (in air).

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“grading” means the sorting of metals to industry-agreed specifications ready for use, without the need for further treatment, by the end consumer to manufacture new metals.

“granulating” means granulated to a very small size with metal/non-metal separation by air classification and flotation.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

“impermeable surface” means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface.

“independent conformance testing” means independent sampling and testing of residual materials and emission points to confirm whether or not the standards set in the permit for fridge destruction are being fulfilled, carried out by an external laboratory and using accredited methods where they are available.

“Industrial Emissions Directive” means Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“Insulation panel” means rigid polyurethane foam insulation boards, typically removed from the internal and external walls, roofs and ceilings of buildings, cold stores or commercial or domestic cooling equipment, which contain CFC, HCFC, HFC or HC blowing agents.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“Lower Explosive Limit” means the lowest concentration (specified as a percentage) of a combustible gas in air capable of burning in the presence of an ignition source.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“ozone-depleting substances” “ODS” means “controlled substances” contained in refrigeration, air-conditioning and heat pump equipment (WTEE); equipment containing solvents; fire protection systems and fire extinguishers.

“pests” means Birds, Vermin and Insects.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Reference 1” means the International Atomic Energy Agency recommendations in Annex IV of ‘Recommendations on Monitoring and Response Procedures for Radioactive Scrap Metal’, UNECE, 2006.

“Refrigerant” means refrigerant gas contained in the compressor and cooling circuit of the WTEE unit. Refrigerants include chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), hydrofluorocarbons (HFCs), hydrocarbons (HCs) and ammonia.

“WTEE unit type” are four identified types of refrigeration unit, as set out in the table below:

|        |                                                                                                                                                                           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type 1 | Refrigerators with storage capacity less than 0.18m <sup>3</sup>                                                                                                          |
| Type 2 | Refrigerators or combined fridge-freezers with storage capacity between 0.18m <sup>3</sup> & 0.35m <sup>3</sup>                                                           |
| Type 3 | Freezers with storage capacity less than 0.50m <sup>3</sup> and combined fridge-freezers with capacity greater than 0.35m <sup>3</sup> and no more than 0.5m <sup>3</sup> |
| Type 4 | any refrigerators, freezers or fridge-freezers with a capacity greater than 0.5m <sup>3</sup>                                                                             |

“Residual materials” means both materials and wastes resulting from the specified operations.

“sealed drainage system” in relation to an impermeable surface, means a drainage system with impermeable components which does not leak and which will ensure that:

- no liquids will run off the surface otherwise than via the system

- all liquids entering the system are collected in a sealed sump, except where liquids may be lawfully discharged.

“separation” means separating wastes into different material types, components and grades.

“shearing” means utilises a range of hydraulic machinery that comprise hard steel blades which cut metals into manageable sizes. It may be hand-held, static or attached to mobile plant (e.g. cranes).

“sorting” means sorting that may be undertaken by hand or machinery. Sorting enables materials to be processed and recycled appropriately. It may involve separation of different waste types or the separation of different metal types including different ferrous metals, non-ferrous metals and non-metallic materials (e.g. paper and plastic). The sorted metals are graded by visual inspection, supplemented by chemical and other laboratory tests. The physical sorting may be assisted by conveyors and electromagnets.

“shredding” includes treatment in plant such as hammer mills, chain mills, rotary shears and other similar equipment that is designed to fragment metal into smaller pieces to allow the separation of the metallic and the non metallic fractions. It does not include shearers and guillotines which utilise a range of hydraulic machinery that comprise hard steel blades to cut metals into manageable sizes.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“waste motor vehicle” means a wheeled vehicle for use on land and that does not operate on rails that is waste within the meaning of Article 3(1) of the Waste framework Directive.

“WEEE” means waste electrical and electronic equipment.

“WEEE Directive” means Directive 2012/19/EU of the European Parliament and of the Council of 4th July 2012 on waste electrical and electronic equipment (WEEE).

“WTEE” means waste temperature exchange equipment, as defined in guidance Waste temperature exchange equipment: appropriate measures.

“year” means calendar year ending 31 December.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

Where the following terms appear in the waste code lists in Schedule 2 of this permit, they have the meaning given below.

“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“heavy metal” means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances.

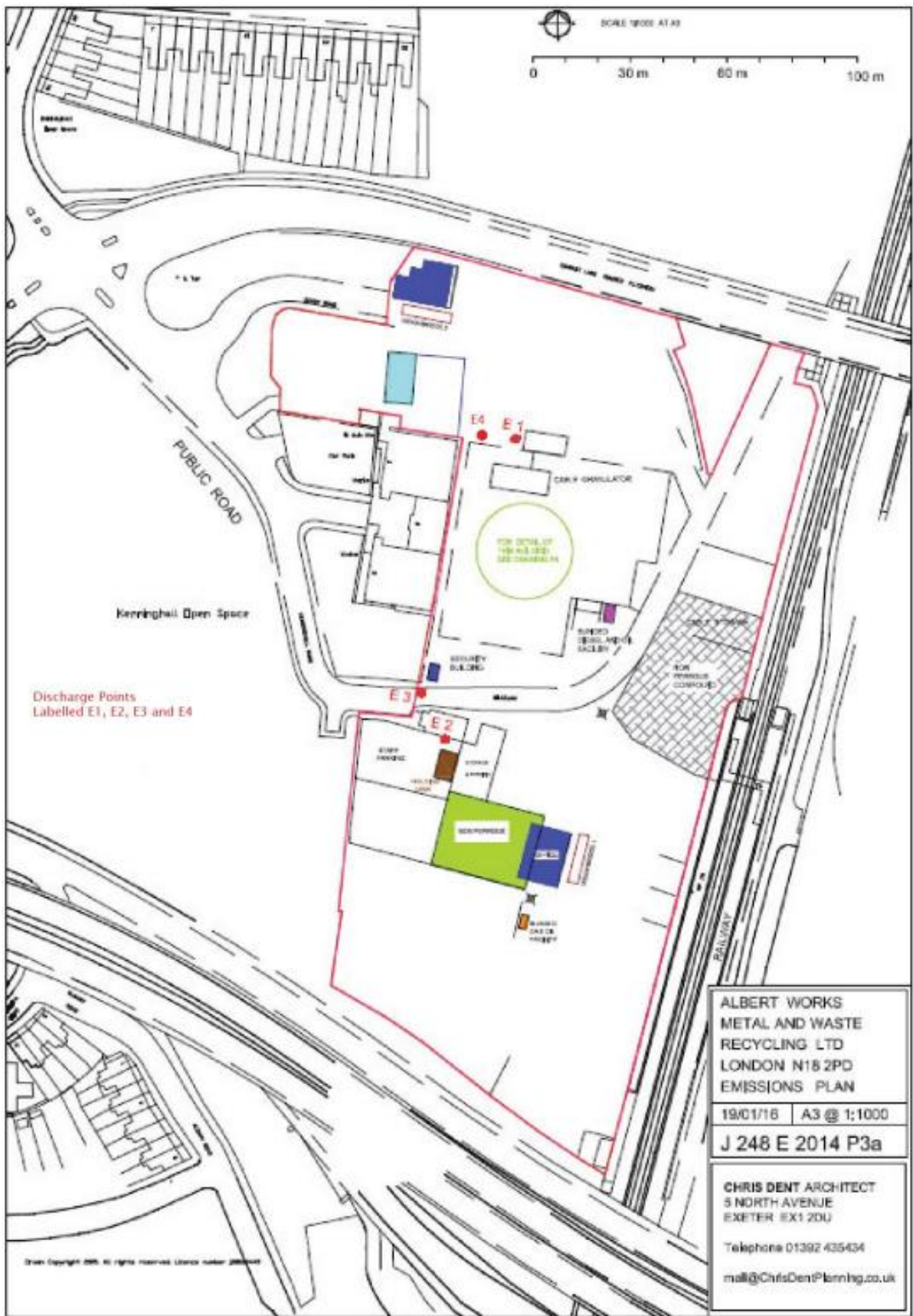
“polychlorinated biphenyls and polychlorinated terphenyls” (“PCBs”) means PCBs as defined in Article 2(a) of Council Directive 96/59/EC.

Article 2(a) says that “PCBs” means:

- polychlorinated biphenyls;
- polychlorinated terphenyls;
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane; and
- any mixture containing any of the above mentioned substances in a total of more than 0.005% by weight.

“transition metals” means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances.

Schedule 7 – Site plan



END OF PERMIT

## Emissions to Air Reporting Form

**Permit number:** *[EPR/AB1234CB]*

**Operator:** *[A Company Name Limited]*

**Facility name:** *[Unit A, Anytown]*

**Emissions to Air Reporting Form: version 1, 08/03/2021**

Reporting of emissions to air for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

| Emission point   | Substance / parameter                                                                | Emission Limit Value               | Reference period            | Test method <sup>1</sup>  | Result <sup>2</sup>   | Sample dates and times <sup>3</sup>            | Uncertainty <sup>4</sup>                                  |
|------------------|--------------------------------------------------------------------------------------|------------------------------------|-----------------------------|---------------------------|-----------------------|------------------------------------------------|-----------------------------------------------------------|
| <i>[e.g. A1]</i> | <i>[e.g. Oxides of nitrogen (NO and NO<sub>2</sub> expressed as NO<sub>2</sub>)]</i> | <i>[e.g. 200 mg/m<sup>3</sup>]</i> | <i>[e.g. daily average]</i> | <i>[e.g. BS EN 14181]</i> | <i>[State result]</i> | <i>[State relevant dates and time periods]</i> | <i>[State uncertainty if not 95% confidence interval]</i> |
|                  |                                                                                      |                                    |                             |                           |                       |                                                |                                                           |
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**Signed:** *[Name]*

**Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report your monitoring results.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

- <sup>1</sup> Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
- <sup>2</sup> Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
- <sup>3</sup> For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
- <sup>4</sup> Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

## Emissions to Water Reporting Form

**Permit number:** *[EPR/AB1234CB]*

**Operator:** *[A Company Name Limited]*

**Facility name:** *[Unit A, Anytown]*

**Emissions to Water Reporting Form: version 1, 08/03/2021**

Reporting of emissions to water (other than to sewer) for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

| <b>Emission point</b> | <b>Substance / parameter</b>         | <b>Emission Limit Value</b> | <b>Reference period</b>                                                               | <b>Test method <sup>1</sup></b> | <b>Result <sup>2</sup></b> | <b>Sample dates and times <sup>3</sup></b>     | <b>Uncertainty <sup>4</sup></b>                           |
|-----------------------|--------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|---------------------------------|----------------------------|------------------------------------------------|-----------------------------------------------------------|
| <i>[e.g. W1]</i>      | <i>[e.g. Total suspended solids]</i> | <i>[e.g. 30 mg/l]</i>       | <i>[e.g. For 95% of all measured values of periodic samples taken over one month]</i> | <i>[e.g. BS EN 872:2005]</i>    | <i>[State result]</i>      | <i>[State relevant dates and time periods]</i> | <i>[State uncertainty if not 95% confidence interval]</i> |
|                       |                                      |                             |                                                                                       |                                 |                            |                                                |                                                           |
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**Signed:**     *[Name]*

**Date:**       *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report your monitoring results.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

- <sup>1</sup> Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
- <sup>2</sup> Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
- <sup>3</sup> For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
- <sup>4</sup> Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

## Emissions to Sewer Reporting Form

**Permit number:** *[EPR/AB1234CB]*

**Operator:** *[A Company Name Limited]*

**Facility name:** *[Unit A, Anytown]*

**Emissions to Sewer Reporting Form: version 1, 08/03/2021**

Reporting of emissions to sewer for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

| <b>Emission point</b> | <b>Substance / parameter</b>         | <b>Emission Limit Value</b> | <b>Reference period</b>                                                               | <b>Test method <sup>1</sup></b> | <b>Result <sup>2</sup></b> | <b>Sample dates and times <sup>3</sup></b>     | <b>Uncertainty <sup>4</sup></b>                           |
|-----------------------|--------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|---------------------------------|----------------------------|------------------------------------------------|-----------------------------------------------------------|
| <i>[e.g. S1]</i>      | <i>[e.g. Total suspended solids]</i> | <i>[e.g. 30 mg/l]</i>       | <i>[e.g. For 95% of all measured values of periodic samples taken over one month]</i> | <i>[e.g. BS EN 872:2005]</i>    | <i>[State result]</i>      | <i>[State relevant dates and time periods]</i> | <i>[State uncertainty if not 95% confidence interval]</i> |
|                       |                                      |                             |                                                                                       |                                 |                            |                                                |                                                           |
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| Emission point | Substance / parameter | Emission Limit Value | Reference period | Test method <sup>1</sup> | Result <sup>2</sup> | Sample dates and times <sup>3</sup> | Uncertainty <sup>4</sup> |
|----------------|-----------------------|----------------------|------------------|--------------------------|---------------------|-------------------------------------|--------------------------|
|                |                       |                      |                  |                          |                     |                                     |                          |

**Signed:** *[Name]*

**Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report your monitoring results.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

<sup>1</sup> Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.

<sup>2</sup> Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.

<sup>3</sup> For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.

<sup>4</sup> Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

## Surface Water and/or Groundwater Monitoring Form

Permit number: *[EPR/AB1234CB]*

Operator: *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]*

Surface Water and/or Groundwater Monitoring Form: version 1, 08/03/2021

Reporting of surface water and/or groundwater monitoring for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

| Monitoring point  | Substance / parameter | Trigger level                          | Reference period            | Test method <sup>1</sup>         | Result <sup>2</sup>   | Sample dates and times <sup>3</sup>            | Uncertainty <sup>4</sup>                                  |
|-------------------|-----------------------|----------------------------------------|-----------------------------|----------------------------------|-----------------------|------------------------------------------------|-----------------------------------------------------------|
| <i>[e.g. GW1]</i> | <i>[e.g. pH]</i>      | <i>[e.g. &gt;5 and &lt;9 pH units]</i> | <i>[e.g. instantaneous]</i> | <i>[e.g. BS ISO 5667-11:200]</i> | <i>[State result]</i> | <i>[State relevant dates and time periods]</i> | <i>[State uncertainty if not 95% confidence interval]</i> |
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**Signed:**     *[Name]*

**Date:**       *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report your monitoring results.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

- <sup>1</sup> Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
- <sup>2</sup> Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
- <sup>3</sup> For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
- <sup>4</sup> Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

## Ambient Air Monitoring Form

**Permit number:** *[EPR/AB1234CB]*

**Operator:** *[A Company Name Limited]*

**Facility name:** *[Unit A, Anytown]*

**Ambient Air Monitoring Form: version 1, 08/03/2021**

Reporting of monitoring ambient air for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

| Monitoring point | Substance / parameter                                      | Compliance limit                  | Reference period         | Test method <sup>1</sup>       | Result <sup>2</sup>   | Sample dates and times <sup>3</sup>            | Uncertainty <sup>4</sup>                                  |
|------------------|------------------------------------------------------------|-----------------------------------|--------------------------|--------------------------------|-----------------------|------------------------------------------------|-----------------------------------------------------------|
| <i>[e.g. P1]</i> | <i>[e.g. PM<sub>10</sub> suspended particulate matter]</i> | <i>[e.g. 50 µg/m<sup>3</sup>]</i> | <i>[24 hour average]</i> | <i>[e.g. BS EN 12341:2014]</i> | <i>[State result]</i> | <i>[State relevant dates and time periods]</i> | <i>[State uncertainty if not 95% confidence interval]</i> |
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**Signed:**     *[Name]*

**Date:**       *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

---

**Guidance for use:** Use this form to report your monitoring results.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

- <sup>1</sup> Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
- <sup>2</sup> Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
- <sup>3</sup> For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
- <sup>4</sup> Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

## Process Monitoring Form

Permit number: [EPR/AB1234CB]

Operator: [A Company Name Limited]

Facility name: [Unit A, Anytown]

Process Monitoring Form: version 1, 08/03/2021

Reporting of process monitoring for the period from [DD/MM/YY] to [DD/MM/YY]

| Monitoring point description or source | Parameter                               | Reference period     | Test method <sup>1</sup> | Result <sup>2</sup> | Sample dates and times <sup>3</sup>     | Uncertainty <sup>4</sup> |
|----------------------------------------|-----------------------------------------|----------------------|--------------------------|---------------------|-----------------------------------------|--------------------------|
| [e.g. Condenser V 2345]                | [e.g. cooling water outlet temperature] | [e.g. instantaneous] | [if applicable]          | [State result]      | [State relevant dates and time periods] | [if applicable]          |
|                                        |                                         |                      |                          |                     |                                         |                          |
|                                        |                                         |                      |                          |                     |                                         |                          |
|                                        |                                         |                      |                          |                     |                                         |                          |
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### Operator's comments

Signed: [Name]

Date: [DD/MM/YY]

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report your monitoring results.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

- <sup>1</sup> Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
- <sup>2</sup> Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
- <sup>3</sup> For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
- <sup>4</sup> Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

## Water Usage Reporting Form

**Permit number:**    *[EPR/AB1234CB]*

**Operator:**    *[A Company Name Limited]*

**Facility name:**    *[Unit A, Anytown]*

**Water Usage Reporting Form: version 1, 08/03/2021**

Reporting of water usage for the year *[YYYY]*

| Water source                                                                              | Water usage (m <sup>3</sup> )                                                          | Specific water usage (m <sup>3</sup> /unit) <sup>2</sup>                                    |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Mains water                                                                               | <i>[insert annual usage in m<sup>3</sup> where mains water is used]</i>                | <i>[insert annual usage in m<sup>3</sup>/unit where mains water is used]</i>                |
| Site borehole                                                                             | <i>[insert annual usage in m<sup>3</sup> where water is used from a site borehole]</i> | <i>[insert annual usage in m<sup>3</sup>/unit where water is used from a site borehole]</i> |
| River abstraction                                                                         | <i>[insert annual usage in m<sup>3</sup> where abstracted river water is used]</i>     | <i>[insert annual usage in m<sup>3</sup>/unit where abstracted river water is used]</i>     |
| Other – <i>[specify other water source where applicable. Add extra rows where needed]</i> | <i>[insert annual usage in m<sup>3</sup> where applicable]</i>                         | <i>[insert annual usage in m<sup>3</sup>/unit where applicable]</i>                         |
| Total water usage                                                                         | <i>[insert total annual water usage in m<sup>3</sup>]</i>                              | <i>[insert total annual water usage in m<sup>3</sup>/unit]</i>                              |

|                            |
|----------------------------|
| <b>Operator's comments</b> |
|                            |

**Signed:**     *[Name]*

**Date:**         *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report your annual water usage.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

## Energy Usage Reporting Form

**Permit number:** [EPR/AB1234CB]

**Operator:** [A Company Name Limited]

**Facility name:** [Unit A, Anytown]

**Energy Usage Reporting Form: version 1, 08/03/2021**

Reporting of energy usage for the year [YYYY]

| Energy source                                                                                                                                       | Energy consumption / production (MWh)                            | Specific energy consumption (MWh/unit) <sup>2</sup>                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------|
| Electricity imported as delivered - source [specify source, e.g. supplied from the national grid]                                                   | [insert annual consumption in MWh where electricity is imported] | [insert annual consumption in MWh/unit where electricity is imported] |
| Electricity imported as primary energy 1 – conversion factor of [specify conversion factor used to convert electricity delivered to primary energy] | [insert annual consumption in MWh where electricity is imported] | [insert annual consumption in MWh/unit where electricity is imported] |
| Natural gas                                                                                                                                         | [insert annual consumption in MWh where natural gas is used]     | [insert annual consumption in MWh/unit where natural gas is used]     |
| Gas oil – conversion factor of [specify conversion factor used to convert tonnes to MWh]                                                            | [insert annual consumption in MWh where gas oil is used]         | [insert annual consumption in MWh/unit where gas oil is used]         |
| Imported heat                                                                                                                                       | [insert annual consumption in MWh where heat is imported]        | [insert annual consumption in MWh/unit where heat is imported]        |
| Other – [specify other energy source and conversion factors where applicable, e.g. renewable fuel. Add extra rows where needed]                     | [insert annual consumption in MWh where applicable]              | [insert annual consumption in MWh/unit where applicable]              |
| Electricity exported                                                                                                                                | [insert annual production in MWh where electricity is exported]  | Not applicable                                                        |
| Heat exported                                                                                                                                       | [insert annual production in MWh where heat is exported]         | Not applicable                                                        |

|                            |
|----------------------------|
| <b>Operator's comments</b> |
|                            |

**Signed:** *[Name]*

**Date:** [DD/MM/YY]

(Authorised to sign as representative of the operator)

**Guidance for use:** Use this form to report your annual energy usage.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

- <sup>1</sup> Multiply delivered electricity by 2.4 to convert to primary energy where the electricity is supplied from the national grid. If the electricity is supplied from another source, specify the conversion factor used. Add additional rows as needed if electricity is imported from multiple sources.
- <sup>2</sup> Divide energy consumption by an appropriate unit of raw material processed or product output.

## Other Performance Parameters Reporting Form

Permit number: [EPR/AB1234CB]

**Operator:** *[A Company Name Limited]*

**Facility name:** *[Unit A, Anytown]*

Other Performance Parameters Reporting Form: version 1, 08/03/2021

Reporting of other performance parameters for the period from [DD/MM/YY] to [DD/MM/YY]

[illegible]

### Operator's comments

**Signed:**     *[Name]*

**Date:**        *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report the performance parameters (other than water and energy) required by your permit. Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. The parameters to report and units to be used can be found in the 'Performance parameters' table in schedule 4 of your permit. Add additional rows as necessary.

