

# Notice of variation and consolidation with introductory note

**The Environmental Permitting (England & Wales) Regulations 2010**

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Metal & Waste Recycling Limited  
Wallace Way Metal Recycling Facility  
Wallace Way  
Hitchin  
Hertfordshire  
SG4 0SE

**Variation application number**

EPR/DB3108GM/V002

**Permit number**

EPR/DB3108GM

# Metal & Waste Recycling Limited

## Permit number EPR/DB3108GM

### Introductory note

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

Under the Environmental Permitting (England & Wales) Regulations 2010 (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.

The Industrial Emissions Directive (IED) was transposed in England and Wales by the Environmental Permitting (England and Wales) (Amendment) Regulations 2013 on 27 February 2013. This variation implements the changes brought about by the IED for “existing facilities operating newly prescribed activities” and completes the transition of this facility from a waste operation to a multi-regime permitted site.

The site accepts inert scrap metal and end-of-life vehicles (ELV's) for processing by fragmentation followed by a range of automated and manual separation techniques. Input material is clean and free from putrescible organic content. The site allows for the following operations:

- Reception, sorting and storage of ferrous and non-ferrous metals
- Reception, depollution and storage of end-of-life vehicles
- Reception and storage of WEEE
- Treatment by shredding of metal wastes, non-hazardous WEEE and depolluted ELV's and associated metal separation processes
- The storage of processed shredder outputs including metal and not-metallic fractions.

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>
Permit EAWML 80264 determined	17/08/1992	Waste Management Licence issued to H. Williams & Sons Ltd.
EAWML 80264 Modified Licence issued	01/04/1996	Confirmation of site boundary.
EAWML 80264 Modified Licence issued	31/12/2003	ELV conditions modified.
EAWML 80264 (EPR/FP3191NC) Modified Licence issued	17/05/2008	A variety of conditions modified.
Transfer Application EPR/DB3108GM/T001	Duly Made 01/12/2014	Application to transfer the permit in full from H Williams & Sons Ltd to Metal & Waste Recycling Limited.
Transfer determined	29/07/2015	Full transfer of permit complete.
Application EPR/DB3108GM/V002 (variation	Duly made 01/12/2014	Application to vary and update the permit to IED conditions.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
and consolidation)		
Variation determined EPR/DB3108GM/V002 (Billing Reference – KP3939WJ)	22/03/2016	Varied and consolidated permit issued in modern condition format.

End of introductory note

# Notice of variation and consolidation

## The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

### Permit number

EPR/DB3108GM

### Issued to

**Metal & Waste Recycling Limited** ("the operator")

whose registered office is

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

company registration number **01031503**

to operate a regulated facility at

**Wallace Way Metal Recycling Facility  
Wallace Way  
Hitchin  
Hertfordshire  
SG4 0SE**

to the extent set out in the schedules.

The notice shall take effect from 22/03/2016

Name	Date
Rebecca Warren	22/03/2016

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.

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2010

### Permit number

**EPR/DB3108GM**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/DB3108GM/V002 authorising,

**Metal & Waste Recycling Limited** (“the operator”),

whose registered office is

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

company registration number **01031503**

to operate a regulated facility at

**Wallace Way Metal Recycling Facility  
Wallace Way  
Hitchin  
Hertfordshire  
SG4 0SE**

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

<b>Name</b>	<b>Date</b>
<b>Rebecca Warren</b>	<b>22/03/2016</b>

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 A1 to A6, 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 A1 to A6, 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 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, tables S1.2 to S1.4, 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, tables S1.2 to S1.4, 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 surface 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 and S2.3; 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 property 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 The storage (including temporary storage) and treatment of waste motor vehicles shall meet the requirements of article 6(1) of the End-of-Life Vehicles Directive.

## **2.6 WEEE storage and treatment**

- 2.6.1 Spillage collection facilities and, where appropriate, decanters and cleanser-degreasers shall be provided and used as necessary.
- 2.6.2 WEEE (disassembled spare parts, components and residues) shall be stored in areas provided with a weatherproof covering where appropriate or in containers providing a weatherproof covering where appropriate.
- 2.6.3 WEEE shall be treated using best available treatment, recovery and recycling techniques (BATRRRT).
- 2.6.4 All fluids contained within any WEEE shall be removed prior to further treatment.
- 2.6.5 As a minimum, the substances, preparations and components specified in table S1.3 shall be removed from any separately collected WEEE.
- 2.6.6 Separately collected components of WEEE specified in table S1.4 shall be treated in accordance with the methods specified in that table.
- 2.6.7 Any liquids including those in disassembled spare parts, batteries, capacitors containing PCBs/PCTs and any other hazardous waste shall be stored in suitable sealed and labelled containers.
- 2.6.8 Equipment shall be provided and used to record the weight of untreated WEEE accepted at, and components and materials leaving the site.

## **2.7 Improvement programme**

- 2.7.1 The operator shall complete the improvements specified in schedule 1 table S1.5 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.7.2 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 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

### **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 and S3.2;
  - (b) ambient air monitoring specified in table S3.3;
- 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 and S3.2 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 A1 to A6, a 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 1 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 quarter.

### **4.3 Notifications**

- 4.3.1 For the following activities referenced in schedule 1, table S1.1 A1 to A6, 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 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, 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 For the following activities referenced in schedule 1, table S1.1 A7 to A10, the Environment Agency shall be notified without delay following the detection of:
- (a) 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) the breach of a limit specified in the permit; or
  - (c) any significant adverse environmental effects.
- 4.3.4 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.

- 4.3.5 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.
- 4.3.6 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:
- (c) any change in the operator's name or address; and
  - (d) any steps taken with a view to the dissolution of the operator.
- In any other case:
- (e) the death of any of the named operators (where the operator consists of more than one named individual);
  - (f) any change in the operator's name(s) or address(es); and
  - (g) 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.
- 4.3.7 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.
- 4.3.8 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.9 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 For the following activities referenced in schedule 1, table S1.1, A1 to A6, 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.
- 4.4.3 For the following activities referenced in schedule 1, table S1.1, A7 to A9, in this permit, references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

# Schedule 1 – Operations

<b>Table S1.1 activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity and WFD Annex I and II operations</b>	<b>Limits of specified activity and waste types</b>
A1	S5.4 A(1) (b) (iv) Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 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.	R3: Recycling/reclamation of organic substances which are not used as solvents  R4: Recycling/reclamation of metals and metal compounds  R5: Recycling/reclamation of other inorganic materials	From receipt of metal waste to recovery of shredded materials.  Treatment consisting only of shredding and granulation of ferrous and non-ferrous metals for recovery.  Waste types suitable for acceptance are limited to those specified in Table S2.2.
<b>Directly Associated Activity</b>			
A2	Physical treatment for the purpose of recycling	R3: Recycling/ reclamation of organic substances which are not used as solvents  R4: Recycling/reclamation of metals and metal compounds  R5: Recycling/reclamation of other inorganic materials	From shredding of ferrous and non-ferrous metals to storage of processed materials.  Treatment consisting only of sorting, separation and grading of shredded materials.  Waste types suitable for acceptance are limited to those specified in Table S2.2.
A3	Storage of waste prior to recovery	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 treatment.  Waste types suitable for acceptance are limited to those specified in Table S2.2.
A4	Storage of processed materials	R13: Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	From storage of processed materials to despatch off site for recovery.  Storage of recovered fractions and shredder residue following treatment.
A5	Raw materials storage	Storage of raw materials including foam, lubrication oil and diesel.	From the receipt of raw materials to despatch for use within the facility.
A6	Discharge of process and/or surface water	Discharge of process and/or surface water from the treatment and storage areas of the site.	In accordance with the trade effluent consent.

Table S1.1 activities		
Activity reference	Description of activities for waste operations	Limits of activities
A7 Vehicle storage, depollution and dismantling (authorised treatment) facility.	<p><b>R13:</b> Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p><b>R5:</b> Recycling/ reclamation of other inorganic compounds</p> <p><b>R4:</b> Recycling/ reclamation of metals and metal compounds</p> <p><b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)</p>	<p>From receipt of waste to treatment and storage of recovered components.</p> <p>Treatment consisting only of depollution of waste motor vehicles and sorting, separation, grading, baling, shearing, compacting, crushing or cutting of waste into different components for recovery of wastes.</p> <p>Except for waste motor vehicles, the maximum quantity of hazardous waste (in aggregate) that can be stored at the site shall not exceed 50 tonnes at any one time.</p> <p>Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery.</p> <p>Buildings, covered areas or containers shall meet the following requirements:</p> <ul style="list-style-type: none"> <li>• buildings, covered areas, or containers shall be designed, constructed and maintained to prevent ingress of rain and surface water;</li> <li>• rain and uncontaminated surface water shall be kept separate from contaminated water and other liquids;</li> <li>• containers containing waste (excluding uncontaminated metal waste) shall be stored on an impermeable surface with sealed drainage system.</li> </ul> <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 lead acid batteries, other than sorting and separating from other wastes, and repackaging for third party processing.</p> <p>Lead acid batteries shall be stored in containers with an impermeable, acid resistant base and a lid that prevents ingress of water.</p> <p>Waste motor vehicles shall have their tyres removed before they are baled, crushed or compacted.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.3.</p>
A8 Waste electrical	<p><b>R13:</b> Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on</p>	<p>From receipt of waste to treatment and storage of recovered components.</p>

<b>Table S1.1 activities</b>		
<p>and electronic equipment authorised treatment facility</p>	<p>the site where it is produced)</p> <p><b>R3:</b> Recycling/ reclamation of organic substances which are not used as solvents</p> <p><b>R4:</b> Recycling/ reclamation of metals and metal compounds</p> <p><b>R5:</b> Recycling/ reclamation of other inorganic compounds</p>	<p>Treatment of non-hazardous wastes consisting only of sorting, dismantling, separation, screening, grading, baling, shearing, compacting, crushing, repair or refurbishment, or cutting of waste into different components for recovery.</p> <p>Treatment of WEEE shall be carried out within a building provided with a weatherproof covering.</p> <p>Buildings, covered areas or containers shall meet the following requirements:</p> <ul style="list-style-type: none"> <li>• buildings, covered areas, or containers shall be designed, constructed and maintained to prevent ingress of rain and surface water;</li> <li>• rain and uncontaminated surface water shall be kept separate from contaminated water and other liquids;</li> <li>• containers containing waste shall be stored on an impermeable surface with sealed drainage system.</li> </ul> <p>Waste types suitable for acceptance are limited to those non-hazardous wastes specified in Table S2.3.</p>
<p>A9 Metal Recycling</p>	<p><b>R13:</b> Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p><b>R4:</b> Recycling/ reclamation of metals and metal compounds</p>	<p>From receipt of waste to treatment and storage of recovered components.</p> <p>Treatment consisting only of sorting, separation, grading, shearing, baling, compaction, crushing, or cutting of non-hazardous waste into different components for recovery.</p> <p>Wastes shall be stored for no longer than 3 years prior to recovery.</p> <p>Buildings, covered areas or containers shall meet the following requirements:</p> <ul style="list-style-type: none"> <li>• buildings, covered areas, or containers shall be designed, constructed and maintained to prevent ingress of rain and surface water;</li> <li>• rain and uncontaminated surface water shall be kept separate from contaminated water and other liquids;</li> <li>• containers containing waste (excluding uncontaminated metal waste) shall be stored on an impermeable surface with sealed drainage system.</li> </ul> <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 non-hazardous wastes specified in Table S2.3.</p>

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Sector Guidance Note IPPC S5.06: Guidance for the recovery and Disposal of Hazardous and Non Hazardous Waste	All parts.	n/a
Application	Part C3 of the application, Table 3 – Technical Standards	29/01/2016
Response to Schedule 5 notice dated 16/06/2015	All parts.	29/01/2016

<b>Table S1.3 Substances, preparations and components to be removed from separately collected WEEE</b>
<ul style="list-style-type: none"> <li>• Capacitors containing polychlorinated biphenyls in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT)</li> <li>• Mercury-containing components, such as switches or backlighting lamps</li> <li>• Batteries</li> <li>• Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres</li> <li>• Toner cartridges, liquid and paste, as well as colour toner</li> <li>• Plastic containing brominated flame retardants</li> <li>• Asbestos waste and components which contain asbestos</li> <li>• Cathode ray tubes</li> <li>• Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC), or hydrocarbons (HC)</li> <li>• Gas discharge lamps</li> <li>• Liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimetres and all those back-lighted with gas discharge lamps</li> <li>• External electric cables</li> <li>• Components containing refractory ceramic fibres as described in Commission Directive 97/69/EC of 5 December 1997 adapting to technical progress for the 23rd time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances</li> <li>• Components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and the Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionising radiation</li> <li>• Electrolyte capacitors containing “substances of concern” (height &gt; 25mm, diameter &gt; 25mm or proportionately similar volume)</li> </ul>

<b>Table S1.4 Specified Treatment Methods for separately collected components of WEEE</b>	
<b>Component</b>	<b>Specified Treatment</b>
Cathode ray tubes	The fluorescent coating shall be removed

<b>Table S1.4 Specified Treatment Methods for separately collected components of WEEE</b>	
<b>Component</b>	<b>Specified Treatment</b>
Gas discharge lamps	The mercury shall be removed
Equipment containing gases that are ozone depleting or have a global warming potential (GWP) above 15 such as those contained in foams and refrigeration circuits	The gases must be properly extracted and properly treated. Ozone depleting gases must be treated in accordance with Regulation (EC) No 1005/2009.

<b>Table S1.5 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1	<p>The operator shall submit a written procedure to the Environment Agency for approval for the use of Best Available Techniques to trace and inspect baled wastes delivered to the site. This shall include, but not be limited to, detailed monitoring and management of:</p> <ul style="list-style-type: none"> <li>(a) bale suppliers and processing;</li> <li>(b) flame events and audible events associated with processing of baled waste; and</li> <li>(c) concealed items, non-metallic materials, undepolluted End of Life Vehicles, cylinders/sealed containers or heavy non-shreddable items</li> </ul> <p>The procedure shall include risk-based inspection of individual bales which includes pre-shredding, opening or breaking of bales as appropriate.</p> <p>The operator shall implement the procedure in accordance with the Environment Agency's written approval.</p>	22/09/16
IC2	<p>The operator shall submit a written management system to the Environment Agency.</p> <p>The management system must ensure that all installation activities referenced in Table S1.1 (A1 to A6) are undertaken in accordance with Best Available Techniques</p> <p>The Management system shall include:</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</li> </ul>	22/09/16

<b>Table S1.5 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
	<p>management of shredder residues which ensure that:</p> <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> <p>The operator shall implement the management system in accordance with the Environment Agency's written approval.</p>	
IC3	<p>The operator shall submit proposals to the 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 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>	22/09/16
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 E1 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>	22/09/16
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 E1, identifying the fractions within the PM<sub>10</sub>, and PM<sub>2.5</sub> 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</p>	22/09/16

<b>Table S1.5 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
	submit to the Environment Agency a report on the results.	

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

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
diesel fuel	Sulphur content not exceeding 0.1% by mass.

Table S2.2 Permitted Waste types and quantities for Metal Shredding (A1)	
<b>Maximum Quantities</b> The total quantity of waste accepted at the site shall be less than 285,000 tonnes a year. The total quantity of waste accepted at the site shall be less than 1250 tonnes a day. The maximum storage capacity of the site shall not exceed 20,000 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>02</b>	<b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>
<b>02 01</b>	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 10	waste metal
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
<b>15 01</b>	packaging (including separately collected municipal packaging waste)
15 01 04	metallic packaging
<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 12	brake pads other than those mentioned in 16 01 11
16 01 17	ferrous metal
16 01 18	non-ferrous metal
<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>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

<b>Table S2.2 Permitted Waste types and quantities for Metal Shredding (A1)</b>	
<b>Maximum Quantities</b> The total quantity of waste accepted at the site shall be less than 285,000 tonnes a year. The total quantity of waste accepted at the site shall be less than 1250 tonnes a day. The maximum storage capacity of the site shall not exceed 20,000 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>
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>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 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 40	metals

<b>Table S2.3 Permitted waste types and quantities for Vehicle storage, depollution and dismantling authorised treatment facility (A7), Waste electrical and electronic equipment authorised treatment facility (A8) and Metal Recycling Facility (A9)</b>	
<b>Maximum Quantities</b> The total quantity of waste accepted at the site shall be less than 285,000 tonnes a year. The total quantity of waste accepted at the site shall be less than 1250 tonnes a day. The maximum storage capacity of the site shall not exceed 20,000 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>• Liquids, unless accepted onto site as part of the end-of-life vehicle</li> </ul>
<b>Waste code</b>	<b>Description</b>
<b>02</b>	<b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>
<b>02 01</b>	<b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 10	waste metal
<b>12</b>	<b>WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS</b>
<b>12 01</b>	<b>wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
12 01 01	ferrous metal filings and turnings
12 01 03	non-ferrous metal filings and turnings
<b>15</b>	<b>WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
15 01 04	metallic packaging
<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 07*	oil filters
16 01 11*	brake pads containing asbestos
16 01 12	brake pads other than those mentioned in 16 01 11
16 01 17	ferrous metal
16 01 18	non-ferrous metal
<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 01*	lead batteries
16 06 05	other batteries and accumulators

<b>Table S2.3 Permitted waste types and quantities for Vehicle storage, depollution and dismantling authorised treatment facility (A7), Waste electrical and electronic equipment authorised treatment facility (A8) and Metal Recycling Facility (A9)</b>	
<b>Maximum Quantities</b> The total quantity of waste accepted at the site shall be less than 285,000 tonnes a year. The total quantity of waste accepted at the site shall be less than 1250 tonnes a day. The maximum storage capacity of the site shall not exceed 20,000 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>• Liquids, unless accepted onto site as part of the end-of-life vehicle</li> </ul>
<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 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 waste
<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 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 40	metals

## Schedule 3 – Emissions and monitoring

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
E1 on site plan in schedule 7	Total suspended particulates	Extraction System	20 mg/m <sup>3</sup> or other level agreed in writing with the Environment Agency	Hourly average	Quarterly or other frequency agreed in writing with the Environment Agency	In accordance with BS EN 13284-1 or as agreed in writing with the Environment Agency.

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
E2 on site plan in schedule 7	Process water and site surface water drainage	Metals	No limit set	--	--	--
		Suspended oils				
		oil/grease				

Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
At a location agreed in writing with the Environment Agency that will obtain reliable and representative data on PM <sub>10</sub> emissions from the waste management operations that enables the operator to identify emissions and take steps to prevent a reoccurrence.	Particulate matter less than 10 millionth of a metre in diameter (PM <sub>10</sub> ).	Quarterly	The equipment shall be operated to a procedure agreed in writing with the Environment Agency.  The emissions management plan must include action levels and regular review cycles with an overriding aim to reduce PM <sub>10</sub> emissions from the facility.	Monitoring equipment shall meet the MCERTS Performance Standards for Indicative Ambient Particulate Monitors or similar standard agreed in writing with the Environment Agency.  The equipment shall be calibrated in accordance with the manufacturer's recommendations or 6 monthly, whichever is first.

<b>Table S3.3 Ambient monitoring requirements</b>				
<b>Location or description of point of measurement</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
				<p>The system must be managed and maintained by suitably trained personnel.</p> <p>The system must obtain representative data that must accurately reflect PM<sub>10</sub> levels produced by the site's activities.</p>

## Schedule 4 – Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Point source to air monitoring Parameters as required by condition 3.5.1	E1 on site plan in schedule 7.	Annually	1 January
Ambient air monitoring Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency.	Quarterly	1 January

Parameter	Units
Metal processed	tonnes
Ferrous metal recovered	tonnes
Non-ferrous metal recovered	tonnes
Non-metallic shredder residue	tonnes
WEEE processed	tonnes
Other fractions recovered	tonnes

Parameter	Frequency of assessment	Units
Water usage	Annually	m <sup>3</sup>
Energy usage	Annually	MWh
Total raw material used	Annually	tonne

Media/parameter	Reporting format	Date of form
Air Emissions	Form particulate1 or other form as agreed in writing by the Environment Agency	22/03/16
Ambient air monitoring	Form ambient monitoring 1 or other form as agreed in writing by the Environment Agency	22/03/16
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	22/03/16
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	22/03/16
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	22/03/16
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	
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 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.

“best available treatment, recovery and recycling techniques” shall have the meaning given to it in the document published jointly by the Department for Environment, Food and Rural Affairs, the Welsh Assembly Government and the Scottish Executive on 27th November 2006, entitled ‘Guidance on Best Available Treatment, Recovery and Recycling Techniques (BATRRT) and Treatment of Waste Electrical and Electronic Equipment (WEEE)’; and any revision to or replacement of it.

“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.

“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).

“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.

“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 2010 No.675 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.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

“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, 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.

“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 to foul sewer.

“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.

“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

“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).

“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 list in Tables S2.2 and S2.3 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.

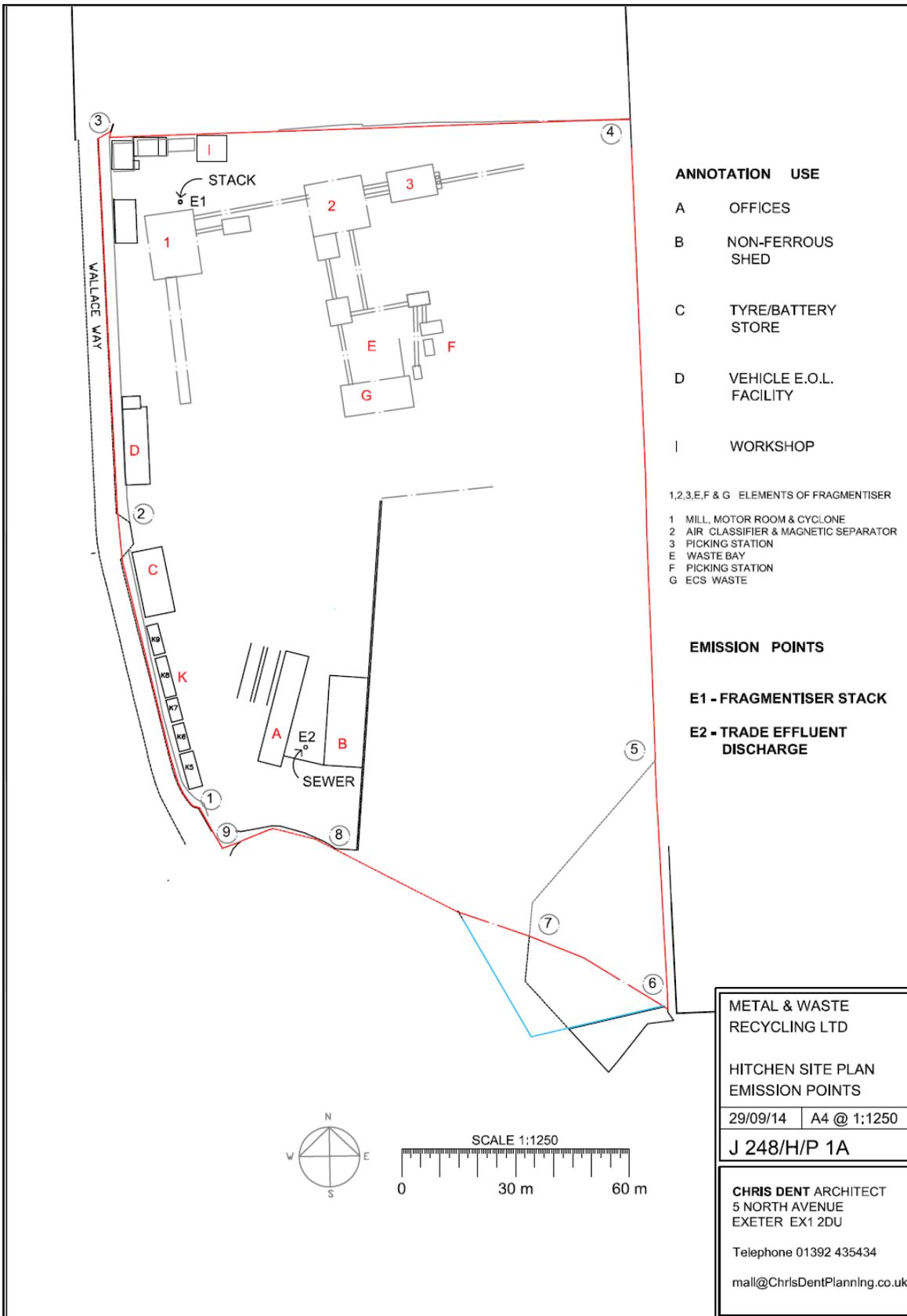
“transition metals” means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified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

“stabilisation” means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste.

“solidification” means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste.

“partly stabilised wastes” means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term.

# Schedule 7 – Site plan



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END OF PERMIT

Permit number  
 EPR/DB3108GM

**Permit Number:** EPR/DB3108GM  
**Facility:** Wallace Way Metal Recycling Facility

**Operator:**  
**Form Number:**

**Metal & Waste Recycling Limited**  
**Particulate1 / 22/03/16**

**Reporting of emissions to air for the period from DD/MM/YYYY to DD/MM/YYYY**

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
E1 Shredder	Total particulates	20 mg/m <sup>3</sup>	Hourly average		As agreed with the Environment Agency		

[1] The result given is 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, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ..... Date.....

(Authorised to sign as representative of Operator)

(Authorised to sign as representative of Operator)

**Permit Number:**           EPR/DB3108GM

**Operator:**                 Metal & Waste Recycling  
Limited

**Facility:**                 Wallace Way Metal  
Recycling Facility

**Form Number:**           WaterUsage1 / 22/03/16

**Reporting of Water Usage for the year**

<b>Water Source</b>	<b>Usage (m<sup>3</sup>/year)</b>	<b>Specific Usage (m<sup>3</sup>/unit output)</b>
Mains water		
<b>TOTAL WATER USAGE</b>		

Operator's comments:

Signed .....

Date.....

(authorised to sign as representative of Operator)

**Permit Number:**           EPR/DB3108GM

**Operator:**                   Metal & Waste Recycling  
Limited

**Facility:**                   Wallace Way Metal  
Recycling Facility

**Form Number:**           Energy1 / 22/03/16

**Reporting of Energy Usage for the year**

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh		
Natural Gas	MWh		
Gas Oil	tonnes		
Recovered Fuel Oil	tonnes		
TOTAL	-		

\* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Signed .....

Date.....

(Authorised to sign as representative of Operator)

**Permit Number:**           EPR/DB3108GM

**Operator:**                Metal & Waste Recycling Limited

**Facility:**                Wallace Way Metal Recycling Facility

**Form Number:**           Performance1 / 22/03/16

**Reporting of other performance indicators for the period DD/MM/YYYY to DD/MM/YYYY**

<b>Parameter</b>	<b>Units</b>
Total raw material used	tonnes

Operator's comments:

Signed .....

Date.....

(Authorised to sign as representative of Operator)

**Permit Number:**           EPR/DB3108GM

**Operator:**                   Metal & Waste Recycling Limited

**Facility:**                   Wallace Way Metal Recycling Facility

**Form Number:**           Ambient monitoring1 / 22/03/16

**Reporting of ambient monitoring for the period from DD/MM/YYYY to DD/MM/YYYY**

<b>Emission Point</b>	<b>Parameter</b>	<b>Reference Period</b>	<b>Result [1]</b>	<b>Test Method [2]</b>	<b>Sample Date and Times [3]</b>	<b>Uncertainty [4]</b>
At a location to be agreed in writing with the Environment Agency	Particulate matter less than 10 millionth of a metre in diameter (PM <sub>10</sub> ).	Quarterly				

[1] The result given is 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, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....

Date.....

(Authorised to sign as representative of Operator)