

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

European Metal Recycling Limited

Alexandra Dock 1
European Metal Recycling Limited
Alexandra Building
Alexandra Dock 1
Bootle
Liverpool
L20 1BX

Variation application number

EPR/RP3794CG/V006

Permit number

EPR/RP3794CG

Alexandra Dock 1

Permit number EPR/RP3794CG

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 an IED Installation. In addition this permit is being consolidated with permit EPR/JP3696EL. This permit is a SR2009No7 which covered a part of the site used for quayside storage of metals.

EMR operate a metal recycling site at Alexandra Dock, Bootle, Liverpool on the bank of the River Mersey. The site is within 50m of human receptors and 2km from Mersey Narrows SSSI (Grid ref SJ 33163 94922). The facility operates a metal shredder (or fragmentiser) with a capacity of more than 75 tonnes per day and there is storage of hazardous waste of more than 50 tonnes consisting of small mixed WEEE, batteries, waste oil and oil filters from ELV depollution. These activities fall under the Industrial Emissions Directive:

- 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.
- S5.6 A(1) (a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes

The remaining waste operations on site include:

- Manual vehicle storage, depollution and dismantling (authorised treatment) facility;
- WEEE storage and treatment; and
- Metal recycling

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.

Status log of the permit EAWML 50447 / EPR/RP3794CG		
Description	Date	Comments
Permit determined EAWML 50447	28/09/06	Original permit issued to European Metal Recycling Ltd.
Variation determined EAWML 50447	07/11/08	Environment Agency initiated variation to add WEEE conditions.
Variation determined EAWML 50447 EPR/RP3794CG/V002	11/12/09	Environment Agency initiated variation to amend interpretation to WEEE conditions.

Status log of the permit EAWML 50447 / EPR/RP3794CG		
Description	Date	Comments
Variation EAWML 50447 EPR/RP3794CG/V003	10/11/11	Application for an administrative variation returned as not duly made
Variation determined EAWML 50447 EPR/RP3794CG/V004	03/10/12	Minor technical variation to add EWC codes.
Variation determined EAWML 50447 EPR/RP3794CG/V005	08/04/13	Administrative variation to add EWC codes.
EPR/RP3794CG/V006 Variation and Consolidation	Duly made 24/09/14	Application to vary and update the permit to IED conditions. Variation and consolidation of EAWML 50447 (EPR/RP3794CG) and EAWML 101767 (EPR/JP3696EL)
Variation determined EPR/RP3794CG/V006 (Billing Ref:TP3032WU)	06/09/16	Variation and consolidation of EAWML 50447 (EPR/RP3794CG) and EAWML 101767 (EPR/JP3696EL) issued in modern condition format.

Status log of the permit EAWML 101767 / EPR/JP3696EL		
Description	Date	Comments
Standard Rules Permit EAWML 101767 EPR/JP3696EL	03/09/10	SR 2009 No7 Conditions.
EPR/RP3794CG/V006 Variation and Consolidation	Duly made 24/09/14	Application to vary and update the permit to IED conditions. Variation and consolidation of EAWML 50447 (EPR/RP3794CG) and EAWML 101767 (EPR/JP3696EL)
EPR/RP3794CG/V006 Variation and Consolidation (Billing Ref:TP3032WU)	06/09/16	Variation and consolidation of EAWML 50447 (EPR/RP3794CG) and EAWML 101767 (EPR/JP3696EL)

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/RP3794CG

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 a regulated facility at

**Alexandra Dock 1
European Metal Recycling Limited
Alexandra Building
Alexandra Dock 1
Bootle
Liverpool
L20 1BX**

to the extent set out in the schedules.

The notice shall take effect from 06 September 2016.

Name	Date
Rebecca Warren	06 September 2016

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of an application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/RP3794CG

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/RP3794CG/V006 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 a regulated facility at

**Alexandra Dock 1
European Metal Recycling Limited
Alexandra Building
Alexandra Dock 1
Bootle
Liverpool
L20 1BX**

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

Name	Date
Rebecca Warren	06 September 2016

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 A7), 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 A7), 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 green 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 S1.4, 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, table 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, S2.3, S2.4, S2.5 and S2.6; 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.
- 3.1.3 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 and S3.2; and
- (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 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 A7), 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 A7), 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 (A8 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 4.3.3 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.
- 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.

4.4 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 A7) 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 (A8 to A10) 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

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
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 (including composting and other biological transformation processes) 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 non-hazardous specified in table S2.2.
A2	S5.6 A(1) (a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Section 5.1, 5.2 and 5.3	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). D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Storage of WEEE and hazardous waste to despatch off site for disposal or recovery. Lead acid batteries shall be stored in containers with an impermeable, acid resistant base and a lid or stored undercover to prevent ingress of surface water. Wastes consisting solely or mainly of dusts, powders or loose fibres shall be loaded, unloaded and stored within a building. Waste shall not be stored for more than 6 months without prior written approval from the Environment Agency. Waste types suitable for acceptance are limited to those specified in table S2.3.

Table S1.1 activities			
Directly Associated Activity			
A3	Physical treatment for the purpose of recycling	<p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R4: Recycling/reclamation of metals and metal compounds</p> <p>R5: Recycling/reclamation of other inorganic materials</p>	<p>From shredding of ferrous and non-ferrous metals to storage of processed materials.</p> <p>Pre-treatment consisting only of sorting, separation, grading, shearing, baling, compacting, crushing and cutting of metal wastes into different components for recovery.</p> <p>Post-treatment consisting only of sorting, separation and grading of shredded materials.</p>
A4	Storage of non-hazardous waste	R13: Storage of waste pending the operations numbered R1 and R12 (excluding temporary storage, pending collection, on site where it is produced).	From receipt of waste to treatment. Wastes as specified in table S2.2.
A5	Storage of processed materials	R13: Storage of waste pending the operations numbered R1 and R12 (excluding temporary storage, pending collection, on site where it is produced).	<p>Storage of processed separated plastics, ferrous and non-ferrous metals following treatment to despatch off site for recovery.</p> <p>Storage of separated materials including plastics, ferrous, non-ferrous metals and shredder residue following treatment.</p>
A6	Raw materials storage	Storage of raw materials including lubrication oil diesel, Magnetite and defoaming agent.	From the receipt of raw materials to despatch for use within the facility.
A7	Surface water	Site drainage from roof and surface water collected in drainage gullies and drainage pipes to foul sewer.	Collected surface water to pass through retention interceptor to foul sewer.

Table S1.1 activities		
Activity reference	Description of activities for waste operations	Limits of activities
A8 Vehicle storage, manual depollution and dismantling (authorised treatment) facility	<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 (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>Treatment consisting only of manual depollution of waste motor vehicles and sorting, and separation of waste for the purpose of recovery.</p> <p>Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery.</p> <p>No more than 25 tonnes of intact waste vehicle tyres (waste code 16 01 03) shall be stored at the site.</p> <p>Buildings, covered areas or containers shall meet the following requirements:</p> <ul style="list-style-type: none"> • buildings, covered areas, or containers shall be designed, constructed and maintained to prevent ingress of rain and surface water; • rain and uncontaminated surface water shall be kept separate from contaminated water and other liquids; • containers containing waste (excluding uncontaminated metal waste) shall be stored on an impermeable surface with sealed drainage system. <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>Lead acid batteries shall be stored in containers with an impermeable, acid resistant base and a lid that prevents ingress of water.</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>Waste types as specified in table S2.4.</p>

Table S1.1 activities		
<p>A9 WEEE storage and treatment</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>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste 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>Treatment consisting only of sorting, separation and dismantling of waste into different components for recovery using manual & mechanical methods.</p> <p>Treatment of WEEE shall be carried out within a building provided with a weatherproof covering where appropriate.</p> <p>There shall be no treatment of hazardous waste other than for sorting and separation from other waste streams, repair or refurbishment, or manual dismantling only.</p> <p>Buildings, covered areas or containers shall meet the following requirements:</p> <ul style="list-style-type: none"> • buildings, covered areas, or containers shall be designed, constructed and maintained to prevent ingress of rain and surface water; • rain and uncontaminated surface water shall be kept separate from contaminated water and other liquids; • containers containing waste shall be stored on an impermeable surface with sealed drainage system. <p>Waste types suitable for acceptance are limited to those specified in table S2.5.</p>
<p>A10 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 consisting only of sorting, separation, grading, shearing, bailing, 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"> • buildings, covered areas, or containers shall be designed, constructed and maintained to prevent ingress of rain and surface water; • rain and uncontaminated surface water shall be kept separate from contaminated water and other liquids; • containers containing waste (excluding uncontaminated metal waste) shall be stored on an impermeable surface with sealed drainage system. <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>There shall be no treatment of hazardous waste other than for sorting and separation from other waste streams only.</p> <p>Waste types suitable for acceptance are limited to those specified in table S2.6.</p>

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Section C3, section 2, 3 and 4 of the application document and the information contained in the non-technical summary. Technical standards detailed in C3 and the non-technical summary within the application.	24/09/14
Application	Part C2, Q3d Environmental Management System Summary. Part C2, Q6 Environmental Risk Assessment. Part C3, Q3c COSHH Assessments.	24/09/14

Table S1.3 Substances, preparations and components to be removed from separately collected WEEE
<ul style="list-style-type: none"> • 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) • Mercury-containing components, such as switches or backlighting lamps • Batteries • 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 • Toner cartridges, liquid and paste, as well as colour toner • Plastic containing brominated flame retardants • Asbestos waste and components which contain asbestos • Cathode ray tubes • Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC), or hydrocarbons (HC) • Gas discharge lamps • 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 • External electric cables • 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 • 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 • Electrolyte capacitors containing “substances of concern” (height > 25mm, diameter > 25mm or proportionately similar volume)

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

Table S1.5 Improvement programme requirements		
Reference	Requirement	Date
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"> (a) bale suppliers and processing; (b) flame events and audible events associated with processing of baled waste; and (c) concealed items, non-metallic materials, undepolluted End of Life Vehicles, cylinders/sealed containers or heavy non-shreddable items <p>The procedure shall include risk-based inspection of individual bales which includes pre-treating, 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>	06/03/17

Table S1.5 Improvement programme requirements		
Reference	Requirement	Date
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 (reference A1-A7 in Table S1.1) are undertaken in accordance with Best Available Techniques</p> <p>The Management system shall include:</p> <ul style="list-style-type: none"> (a) a clearly documented and auditable waste acceptance procedure which details: <ul style="list-style-type: none"> (i) assessment of potential in-feed including pre-acceptance checks to ensure that the wastes received are suitable for shredding, (ii) procedures for the identification, confiscation and repatriation of gas cylinders and other prohibited items, (iii) a dedicated waste reception area with suitably trained staff controlling inspection, reception and validation of wastes, and (iv) a dedicated quarantine area for wastes that are prohibited, awaiting full inspection, testing or removal; (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 (c) clearly documented and auditable procedures for the management of shredder residues which ensure that: <ul style="list-style-type: none"> (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, and (ii) all residues are characterised and assessed for appropriate further processing, recovery or disposal. <p>The operator shall implement the management system in accordance with the Environment Agency's written approval.</p>	06/03/17
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"> (a) covering of conveyors, transfer points and drop points downstream of the shredder; and (b) spraying and misting shall be used in dry or windy conditions. 	06/09/17

Table S1.5 Improvement programme requirements		
Reference	Requirement	Date
IC4	<p>The operator shall submit a written plan to the Environment Agency for approval that includes:</p> <ul style="list-style-type: none"> (a) proposals to undertake representative monitoring of the air discharged from point exhaust 1 and 2 including the parameters to be monitored, frequencies of monitoring and methods to be used; (b) proposals to undertake representative monitoring of the ambient air including the sampling locations, parameters to be monitored, frequencies of monitoring and methods to be used; (c) confirmation that a written report will be submitted to the Environment Agency for approval that includes: <ul style="list-style-type: none"> 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 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 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. <p>The operator shall carry out the monitoring in accordance with the Environment Agency's written approval.</p>	06/09/17
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 exhaust 1 and 2, identifying the fractions within the PM₁₀, and PM_{2.5} 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>	06/09/17

Schedule 2 – Waste types, raw materials and fuels

Raw materials and fuel description	Specification
Diesel for Mobile Plant	--
Hydraulic Oil	--
Engine Oil	--
Grease	--
Magnetite	--
Defoaming Agent	--

Maximum quantity	The total quantity of waste accepted at the site for activity A1 shall be less than 400,000 tonnes per year.
Waste code	Description
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 10	waste metal
15	Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 01	packaging (including separately collected municipal packaging waste)
15 01 04	metallic packaging
16	Wastes not otherwise specified in the list
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 06	end-of-life vehicles, containing neither liquids nor other hazardous components
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 02	Wastes from electrical and electronic equipment
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 04	metals (including their alloys)
17 04 02	aluminium
17 04 05	iron and steel
17 04 07	mixed metals
19	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

Table S2.2 Permitted waste types and quantities for activity A1 (non-hazardous shredding)	
Maximum quantity	The total quantity of waste accepted at the site for activity A1 shall be less than 400,000 tonnes per year.
Waste code	Description
19 01	wastes from incineration or pyrolysis of waste
19 01 02	ferrous materials removed from bottom ash
19 10	wastes from shredding of metal-containing wastes
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
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 39	plastics
20 01 40	metals

Table S2.3 Permitted waste types and quantities for activity A2 (hazardous waste storage)	
Maximum quantity	For activities A2, A8, A9 and A10 the total quantity of hazardous wastes accepted at the site shall be less than 15,000 tonnes per year.
Waste code	Description
16	Wastes not otherwise specified in the list
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 07*	oil filters
16 01 11*	brake pads containing asbestos
16 02	wastes from electrical and electronic equipment
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 06	Batteries and accumulators
16 06 01*	lead batteries
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
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

Table S2.3 Permitted waste types and quantities for activity A2 (hazardous waste storage)	
Maximum quantity	For activities A2, A8, A9 and A10 the total quantity of hazardous wastes accepted at the site shall be less than 15,000 tonnes per year.
Waste code	Description
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35 containing hazardous components

Table S2.4 Permitted waste types and quantities for activity A8 (ELV)	
Maximum quantity	For activities A2, A8, A9 and A10 the total quantity of hazardous wastes accepted at the site shall be less than 15,000 tonnes per year. The total quantity of waste accepted at the site for activity A8 shall be less than 30,000 tonnes per year.
Waste code	Description
16	Wastes not otherwise specified in the list
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 03	end-of-life tyres
16 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 17	ferrous metal
16 01 18	non-ferrous metal
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 06	Batteries and accumulators
16 06 01*	lead batteries
16 06 05	other batteries and accumulators

Table S2.5 Permitted waste types and quantities for activity A9 (WEEE storage and treatment)	
Maximum quantity	For activities A2, A8, A9 and A10 the total quantity of hazardous wastes accepted at the site shall be less than 15,000 tonnes per year. The total quantity of waste accepted at the site for activity A9 shall be less than 80,000 tonnes per year.
Waste code	Description
16	Wastes not otherwise specified in the list
16 02	Wastes from electrical and electronic equipment
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 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

Table S2.5 Permitted waste types and quantities for activity A9 (WEEE storage and treatment)	
Maximum quantity	For activities A2, A8, A9 and A10 the total quantity of hazardous wastes accepted at the site shall be less than 15,000 tonnes per year. The total quantity of waste accepted at the site for activity A9 shall be less than 80,000 tonnes per year.
Waste code	Description
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 06	Batteries and accumulators
16 06 01*	lead batteries
16 06 05	other batteries and accumulators
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
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, 20 01 23 and 20 01 35 containing hazardous components
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

Table S2.6 Permitted waste types and quantities for activity A10 (metal recycling)	
Maximum quantity	For activities A2, A8, A9 and A10 the total quantity of hazardous wastes accepted at the site shall be less than 15,000 tonnes per year. The total quantity of waste accepted at the site for activity A10 shall be less than 370,000 tonnes per year.
Waste code	Description
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 10	waste metal
10	Wastes from thermal processes
10 02	wastes from the iron and steel industry
10 02 10	mill scales
12	Wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 01	ferrous metal filings and turnings
12 01 02	ferrous metal dust and particles
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
15	Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified

Table S2.6 Permitted waste types and quantities for activity A10 (metal recycling)	
Maximum quantity	For activities A2, A8, A9 and A10 the total quantity of hazardous wastes accepted at the site shall be less than 15,000 tonnes per year. The total quantity of waste accepted at the site for activity A10 shall be less than 370,000 tonnes per year.
Waste code	Description
15 01	packaging (including separately collected municipal packaging waste)
15 01 04	metallic packaging
16	Wastes not otherwise specified in the list
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 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 (comprising only of depolluted metallic vehicle parts, components and engines)
16 06	Batteries and accumulators
16 06 01*	lead batteries
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 04	metals (including their alloys)
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
19	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
19 01	wastes from incineration or pyrolysis of waste
19 01 02	ferrous materials removed from bottom ash
19 10	wastes from shredding of metal-containing wastes
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 10 04	fluff light fraction and dust other than those mentioned in 19 10 03
19 10 06	other fractions other than those mentioned in 19 10
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 02	ferrous metal

Table S2.6 Permitted waste types and quantities for activity A10 (metal recycling)	
Maximum quantity	For activities A2, A8, A9 and A10 the total quantity of hazardous wastes accepted at the site shall be less than 15,000 tonnes per year. The total quantity of waste accepted at the site for activity A10 shall be less than 370,000 tonnes per year.
Waste code	Description
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11.
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
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 40	metals

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
Exhaust Stack 1	Cyclone extraction systems from metal shredder	Total suspended particulates	20 mg/m ³ 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.
Exhaust Stack 2	Cyclone extraction systems from metal shredder	Total suspended particulates	20 mg/m ³ 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.

Table S3.2 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	Monitoring frequency	Monitoring standard or method
Foul sewer in Regent Road emission point on site plan in schedule 7	Roof and surface water collected in drainage gullies and drainage pipes passing through an interceptor.	--	No limit set	--	--	--

Table S3.3 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.	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 particulate 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. The system must be managed and maintained by suitably trained personnel. The system must obtain representative data that must accurately reflect TSP levels produced by the site's activities.

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
Emissions to air Parameters as required by condition 3.5.1	Exhaust stacks 1 and 2	Quarterly	1 January, 1 April, 1 July, 1 October
Ambient air monitoring Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency	Quarterly	1 January, 1 April, 1 July, 1 October

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

Parameter	Frequency of assessment	Units
Water usage	Annually	m ³ per tonne of metal processed
Energy usage	Annually	MWh per tonne of metal processed
Total raw material used	Annually	tonne per tonne of metal processed

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	06/09/16
Ambient air monitoring	Form ambient monitoring 1 or other form as agreed in writing by the Environment Agency	06/09/16
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	06/09/16
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	06/09/16
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	06/09/16
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	

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

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

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
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 (BATRR) 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).

“depolluted” means the vehicle parts and components have been previously treated to meet the requirements of Directive 2000/53/EC of the European Parliament and Council of 18 September 2000 on end-of-life vehicles.

“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 (as amended).

“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.

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

“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.

“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.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes 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.

Schedule 7 – Site plan



END OF PERMIT

Permit Number: EPR/RP3794CG Operator: EMR Ltd

Facility: Alexandra Dock 1 Form Number: Air1 / 06/09/16

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]
A1	Particulate matter	20 mg/m ³	1 hour period		BS EN 13284-1		

[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)

Permit Number: EPR/RP3794CG

Operator: EMR Ltd

Facility: Alexandra Dock 1

**Form Number: Ambient monitoring1 /
06/09/16**

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

Emission Point	Parameter	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
At a location to be agreed in writing with the Environment Agency	Total suspended particulates (TSP) unless otherwise agreed in writing 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)

Permit Number: EPR/RP3794CG

Operator: EMR Ltd

Facility: Alexandra Dock 1

Form Number: WaterUsage1 / 06/09/16

Reporting of Water Usage for the year

Water Source	Usage (m³/year)	Specific Usage (m³/unit output)
Mains water		
TOTAL WATER USAGE		

Operator's comments:

Signed

Date.....

(authorised to sign as representative of Operator)

Permit Number: EPR/RP3794CG

Operator: EMR Ltd

Facility: Alexandra Dock 1

Form Number: Energy1 / 06/09/16

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		
Biogas	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/RP3794CG

Operator: EMR Ltd

Facility: Alexandra Dock 1

Form Number: Performance1 / 06/09/16

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

Parameter	Units
Total raw material used	tonnes

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)