

# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

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S.A.R. Recycling Ltd

Unit 1 Pelham Industrial Estate  
Manby Road  
Immingham  
Lincolnshire  
DN40 2LF

**Variation application number**

EPR/CP3294LE/V009

**Permit number**

EPR/CP3294LE

# Unit 1 Pelham Industrial Estate

## Permit number EPR/CP3294LE

### Introductory note

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

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

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

This variation amends the permit to varying the waste operations to installation scheduled activities and extend the permitted boundary.

The installation will operate as follows

- S5.3 Part A(1) a(ii) – physico-chemical treatment of hazardous waste >10 tonnes per day – treatment of hazardous batteries via cutting
- S5.3 Part A(1) a(ii) – physico-chemical treatment of hazardous waste >10 tonnes per day – treatment of hazardous batteries via shredding
- S5.3 Part A(1) a(iv) – repackaging of hazardous waste >10 tonnes per day – repackaging of hazardous batteries
- S5.3 Part A(1) a(vi) – recycling or reclamation of hazardous waste in the form of inorganic material other than metal or metal compounds >10 tonnes per day – reclamation of inorganic materials from automotive catalytic converters
- S5.3 A(1)(a)(ii) – physico-chemical treatment of hazardous waste >10 tonnes per day – shredding of contaminated plastics from battery processing
- S5.6 A(1)(a) temporary storage of hazardous waste >50 tonnes at any one time

The following activities will be directly associated activities to the S5.3 Part A(1) a(ii) activities for the treatment of hazardous waste batteries:

- Sorting and separation of hazardous waste batteries prior to cutting or shredding
- Dismantling of hazardous WEEE to remove hazardous lead acid batteries only
- Storage of waste acid from the battery recycling
- Testing of hazardous batteries prior to transfer

The following activity will be directly associated activities to the S5.3 Part A(1) a(ii) activity for the shredding, washing drying and granulation of contaminated plastics:

- Storage of granulated plastics

The following activities will be directly associated to the S5.3 Part A(1) a(vi) activity for the treatment of catalytic converters:

- Physical treatment of non-hazardous catalytic converters for the purpose of recycling. This directly associated activity will support the hazardous waste treatment activity to accommodate non-hazardous waste identified when opening up the catalytic converter and no RCF matting is present.
- Treatment consisting only of milling of non-hazardous Honeycomb cores
- Storage of milled Honeycomb cores
- Bulking of non-hazardous Honeycomb cores milled onsite with imported milled non-hazardous Honeycomb cores
- Storage of non-hazardous segregated waste fractions from the Catalytic Converter treatment processes

The installation is located on Pelham Industrial Estate industrial estate at National Grid Reference TA 18704 15459. Surrounding areas are commercial and residential.

The installation will sort waste batteries and treat lead acid batteries via cutting or shredding and draining. In addition, the site treats automotive catalytic converters by cutting and dismantling the metal container to remove hazardous RCF matting and ceramic cores containing the catalyst. The site will have an annual throughput of 35,000 tonnes per year. All treatment and storage operations take place inside a building.

The main emissions from the installation include point source emissions to air from extraction served by air filters, surface emissions to surface water sewer and fugitive emissions including noise and dust. Process waste water is collected and containerised.

The Humber estuary habitat site designated as a SAC/SPA/RAMSAR and SSSI is within 2km as well as 3 local wildlife sites.

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 determined EPR/CP3294LE (EAWML 100638)	15/01/2009	Original permit issued to S.A.R. Recycling Limited.
Application EPR/CP3294LE/V002 (Variation)	Duly made 16/02/2011	Application to extend the site boundary and addition of washing plant and granulator.
Variation determined EPR/CP3294LE	18/03/2011	Variation notice issued.
Application EPR/CP3294LE/V003 (Variation)	Duly made 18/02/2014	Application to add ten waste codes.
Variation determined EPR/CP3294LE	19/03/2014	Variation notice issued.
Environment Agency Initiated Variation issued EPR/CP3294LE/V004	31/03/2014	Environment Agency Initiated Variation to insert conditions required by Article 3 of Regulation EU No 493/2012.
Application EPR/CP3294LE/V005 (Admin Variation)	Duly Made 30/05/2014	Application to add two waste codes.
Variation determined EPR/CP3294LE	24/06/2014	Variation notice issued.
Application EPR/CP3294LE/V006 (Variation)	21/08/2015	Application returned.
Application EPR/CP3294LE/V007 (Admin Variation)	Duly Made 29/03/2016	Application to add one waste code 16 01 21*.
Variation determined EPR/CP3294LE	04/05/2016	Variation notice issued.
Application EPR/CP3294LE/V008 (Admin Variation)	Duly Made 17/08/2017	Application to add one waste code 19 12 11*.
Variation determined EPR/CP3294LE	25/08/2017	Variation notice issued.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application EPR/CP3294LE/V009 (variation and consolidation)	Duly made 28/02/2018	Application to vary all waste operations to become installation activities for battery and catalytic converter recycling, consolidate and update the permit to modern conditions.
Schedule 5 Notice (dated 28/03/2018) response	17/05/2018	Revised operating techniques for all site activities, acid containment, site drainage and fire prevention plan.
Schedule 5 Notice (dated 18/06/2018) response	20/07/2018	Revised operating techniques including waste acceptance, storage, treatment, site drainage and fire management.
Schedule 5 Notice (dated 11/09/2018) response	27/09/2018	Operating techniques including receipt of batteries, handling and drying of lead plates.
Variation determined EPR/CP3294LE (Billing reference: SP3038JL)	12/12/2018	Varied permit issued.

End of introductory note

# Notice of variation and consolidation

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

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

### Permit number

EPR/CP3294LE

### Issued to

**S.A.R. Recycling Ltd** (“the operator”)

whose registered office is

**Unit 1 Pelham Industrial Estate**

**Manby Road**

**Immingham**

**N E Lincolnshire**

**DN40 2LF**

company registration number **06431208**

to operate a regulated facility at

**Unit 1 Pelham Industrial Estate**

**Manby Road**

**Immingham**

**Lincolnshire**

**DN40 2LF**

to the extent set out in the schedules.

The notice shall take effect from 12/12/2018.

Name	Date
David Griffiths	12/12/2018

Authorised on behalf of the Environment Agency

## **Schedule 1**

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

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

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

### Permit number

**EPR/CP3294LE**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/CP3294LE/V009 authorising,

**S.A.R. Recycling Ltd** (“the operator”),

whose registered office is

**Unit 1 Pelham Industrial Estate**

**Manby Road**

**Immingham**

**N E Lincolnshire**

**DN40 2LF**

company registration number **06431208**

to operate an installation at

**Unit 1 Pelham Industrial Estate**

**Manby Road**

**Immingham**

**Lincolnshire**

**DN40 2LF**

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

<b>Name</b>	<b>Date</b>
<b>David Griffiths</b>	<b>12/12/2018</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 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 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, table S1.2, 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 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 Any raw materials or fuels listed in schedule 2, table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 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.
- 2.3.5 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.
- 2.3.6 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 Waste battery and accumulator treatment**

- 2.4.1 Treatment of waste batteries and accumulators must meet the minimum requirements set out in Annex III, Part A of Directive 2006/66/EC of the European Parliament and of the Council on batteries and accumulators and waste batteries and accumulators and repealing Directive 91/157/EEC.

## 2.5 Hazardous waste storage and treatment

- 2.5.1 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.

## 2.6 WEEE storage

- 2.6.1 Spillage collection facilities and, where appropriate, decanters and cleanser-degreasers shall be provided and used as necessary.
- 2.6.2 WEEE shall be stored in areas provided with a weatherproof covering where appropriate or in containers providing a weatherproof covering where appropriate.

## 2.7 Improvement programme

- 2.7.1 The operator shall complete the improvements specified in schedule 1, table S1.3 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:
- 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;
  - 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 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.
- 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 Fire prevention**

- 3.6.1 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.

3.6.2 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 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 In the event:

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

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

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

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

Where the operator is a registered company:

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

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

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

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and

- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

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

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

## **4.4 Interpretation**

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

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

# Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR1 – Battery shredding	5.3 A(1)(a)(ii)	<p><b>R4:</b> Recycling/reclamation of metals and metal compounds</p> <p><b>R5:</b> Recycling/reclamation of other inorganic materials</p>	<p>From receipt of hazardous waste lead acid batteries to mechanical treatment consisting of shredding and the collection of processed waste components for further processing.</p> <p>Activities AR1 AR2 and AR3 shall not exceed 165 tonnes per day combined.</p> <p>Activities shall take place within a building on an impermeable surface with sealed drainage.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>
AR2 – Battery cutting	5.3 A(1)(a)(ii)	<p><b>R4:</b> Recycling/reclamation of metals and metal compounds</p> <p><b>R5:</b> Recycling/reclamation of other inorganic materials</p>	<p>From receipt of hazardous waste lead acid batteries to cutting and collection of processed waste components for further processing.</p> <p>Activities AR1 AR2 and AR3 shall not exceed 165 tonnes per day combined.</p> <p>Activities shall take place within a building on an impermeable surface with sealed drainage.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>
AR3 – Battery repackaging	5.3 A(1)(a)(iv)	<p><b>D14:</b> Repackaging prior to submission to any of the operations numbered D1 to D13</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>From receipt of hazardous waste lead acid batteries to repackaging and export offsite.</p> <p>Activities shall take place within a building on an impermeable surface with sealed drainage.</p> <p>Activities AR1 AR2 and AR3 shall not exceed 165 tonnes per day combined.</p> <p>Batteries, must be stored in dedicated, labelled and appropriate containers.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>
AR4 – Catalytic converter recycling	S5.3 A1 (a)(vi)	<p><b>R4:</b> Recycling/reclamation of metals and metal compounds</p> <p><b>R5:</b> Recycling/reclamation of other inorganic materials</p>	<p>From receipt of hazardous waste catalytic converters to treatment of consisting of manual sorting, separation and mechanical shearing.</p> <p>Activity shall not exceed 50 tonnes per day</p> <p>Activities shall take place within a building on an impermeable surface with sealed drainage.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.3.</p>

<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>
AR5 – Plastic shredding	S5.3 A(1)(a)(ii)	<b>R5:</b> Recycling/reclamation of other inorganic materials	Treatment by shredding of hazardous waste lead containment plastic battery cases from activity AR1 and AR2 to washing, drying and granulation of plastic. Treatment of non-hazardous plastic and casing produced from onsite battery treatment processes. Activities shall take place within a building on an impermeable surface with sealed drainage.
AR6 – Hazardous waste storage	S5.6 A(1)(a)	<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) <b>D15:</b> Storage of hazardous wastes pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	Storage of hazardous batteries, catalytic converters and RCF matting. Activities shall take within a building on an impermeable surface with sealed drainage. Lead acid batteries shall be stored in containers with an impermeable, acid resistant base and if stored outside a lid to prevent ingress of water. Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery. Hazardous Waste types suitable for acceptance are limited to those specified in Tables S2.2 and S2.3.
<b>Directly Associated Activity</b>			
AR7	Physical treatment of batteries for the purpose of recycling	<b>R4:</b> Recycling/reclamation of metals and metal compounds <b>R5:</b> Recycling/reclamation of other inorganic materials	Sorting and separation of hazardous waste lead acid batteries. Waste types suitable for acceptance are limited to those non-hazardous wastes specified in Table S2.2. Undertaken in relation to activities AR1, AR2, and AR3.
AR8	Physical treatment of WEEE waste for the purpose of recycling	<b>R4:</b> Recycling/reclamation of metals and metal compounds <b>R5:</b> Recycling/reclamation of other inorganic materials	From acceptance of WEEE waste to removal of hazardous batteries only to despatch of WEEE. No dismantling of WEEE for further recovery or disposal shall take place under this activity Waste types suitable for acceptance are limited to those hazardous wastes specified in Table S2.2. Undertaken in relation to activities AR1, AR2, and AR3.



<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>
AR9	Physical treatment of catalytic converters for the purpose of recycling	<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 materials</p>	<p>Treatment consisting only of sorting, separation, shearing of non-hazardous catalytic converters.</p> <p>Non-hazardous waste types suitable for acceptance are limited to those non-hazardous wastes specified in Table S2.3.</p> <p>Undertaken in relation to activity AR4.</p>
AR10	Physical treatment for the purpose of recycling	<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>Treatment consisting only of milling of non-hazardous Honeycomb cores for the purpose of recycling.</p> <p>Undertaken in relation to Activity AR4.</p> <p>Non-hazardous waste types suitable for acceptance are limited to those non-hazardous wastes specified in Table S2.3.</p>
AR11	Storage of processed materials, excluding temporary storage of hazardous waste under Section 5.6 A(1)(a)	<b>R13:</b> Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	<p>From storage of processed catalytic converter and milled Honeycomb cores non-hazardous material to despatch off site for recovery.</p> <p>Waste types suitable for acceptance are limited to those non-hazardous wastes specified in Table S2.3.</p> <p>Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery.</p> <p>Undertaken in relation to Activity AR4.</p>
AR12	Bulking non-hazardous waste	<b>R13:</b> Recycling/reclamation of other inorganic materials	<p>Bulking of non-hazardous Honeycomb cores milled onsite with imported milled non-hazardous Honeycomb cores.</p> <p>Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery.</p> <p>Non-hazardous waste types suitable for acceptance are limited to those non-hazardous wastes specified in Table S2.3.</p> <p>Undertaken in relation to Activity AR4.</p>
AR13	Storage of waste, excluding temporary storage of hazardous waste under Section 5.6 A(1)(a)	<b>R13:</b> Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	<p>From receipt of non-hazardous catalytic converters waste to treatment.</p> <p>Waste types suitable for acceptance are limited to those non-hazardous wastes specified in Table S2.3.</p> <p>Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery.</p> <p>Undertaken in relation to Activity AR4.</p>
AR14	Storage of non-hazardous waste	<b>R13:</b> Storage of waste pending the operations	Storage of granulated plastic cases.

<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>
		numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery. Undertaken in relation to activity AR5.
AR15	Washing of plastics from the shredding process	<b>R5:</b> Recycling/reclamation of other inorganic materials	Washing of plastics with water and caustic. Undertaken in relation to activity AR5.
AR16	Storage of acid	<b>D15:</b> Storage of hazardous wastes pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).	Storage of waste acid from the battery recycling activity Undertaken in relation to activities AR1 and AR2.
AR17	Testing of batteries unsuitable for treatment	<b>R13:</b> Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Testing of hazardous waste batteries unsuitable for treatment for onward transfer. Wastes shall be stored for no longer than 1 year prior to disposal and 3 years prior to recovery. Undertaken in relation to activity AR3. Non-hazardous waste types suitable for acceptance are limited to those non-hazardous wastes specified in Table S2.2.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Variation Application EPR/CP3294LE/V009	Section 3 of part C3 of the application form Table 3 technical standards. Immingham Materials Recycling Facility: EP Variation Application Supporting Statement section 2.	28/02/2018
Schedule 5 Notice dated 28/03/2018 response	Responses to all question including revised operating techniques for all site activities, acid containment, site drainage and fire management techniques.	17/05/2018
Schedule 5 Notice dated 18/06/2018 response	Responses to all question including revised operating techniques for all site activities, fire management techniques, noise management.	20/07/2018
Schedule 5 Notice dated 11/09/2018 response	Responses to questions regarding receipt of batteries, handling and drying of lead plates but excluding questions relating to external drainage.	27/09/2018

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1	<p>The operator shall submit a plan to the Environment Agency for written approval outlining how they will undertake the categorisation or identification of batteries and the tracking system used for batteries received onsite in line with the requirements of SGN 5.06 guidance.</p> <p>The operator shall implement the labelling and tracking system as with the design and timescales agreed with the Environment Agency.</p>	4 months after permit issue.
IC2	<p>The operator shall submit to the Environment Agency for written approval a review of the impermeable surface and sealed drainage system including the resin floor coating. The review shall identify works necessary to bring the infrastructure up to a standard in line with our guidance SGN 5.06 and propose timescales for the works to be undertaken.</p> <p>The operator shall undertake the works outlined in the review within the timescale agreed with the Environment Agency.</p>	3 month after permit issue
IC3	<p>The operator shall submit to the Environment Agency for written approval a plan outlining the design of a fire suppression system and timescales for installation.</p> <p>The operator shall implement the fire suppression system in line with the design and timescales agreed with the Environment Agency.</p>	3 month after permit issue
IC4	<p>The operator shall undertake a noise impact assessment during full operation and submit a report to the Environment Agency for written approval. The report shall:</p> <ul style="list-style-type: none"> <li>• Undertake a review of the noise sources from the facility</li> <li>• A review of noise mitigation measures</li> </ul> <p>A report shall be provided to the Environment Agency detailing the findings of the assessment and a review of whether any improvements are required together with proposals for their implementation.</p> <p>The operator shall implement any improvements in line with the timescales as agreed with the Environment Agency.</p>	3 months after permit issue
IC5	<p>The operator shall undertake 12 months of monitoring of the emission point LEV01 for lead emissions under a range of operating conditions.</p> <p>Monitoring data shall comprise:</p> <ul style="list-style-type: none"> <li>• Monitoring at a minimum of frequency once per quarter</li> <li>• A minimum of 4 samples</li> <li>• Evidence of location of the sample</li> <li>• Time taken</li> <li>• Justification that samples representative a range of operation conditions</li> </ul> <p>The operator shall submit a report to the Environment Agency for written approval using this data and the emissions data submitted with the application to determine an appropriate Emission Limit value for this lead discharge to air from LEV01.</p> <p>The operator shall apply the emission limit to LEV01 as agreed with the Environment Agency.</p>	13 months after permit issue.
IC6	<p>The operator shall submit to the Environment Agency for written approval a review of the surface water drainage system located outside the buildings, including all yard areas where waste is stored. The review shall identify works necessary to provide a sealed drainage infrastructure in line with our guidance SGN 5.06 and propose timescales for the works to be undertaken.</p> <p>The operator shall undertake the works outlined in the review within the timescale agreed with the Environment Agency.</p>	3 months after permit issue.

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC7	<p>The operator shall submit to the Environment Agency for written approval a review of the acid tank bunding and its acid resistant coating. The review shall identify works necessary to provide effective containment infrastructure in line with our guidance SGN 5.06 and propose timescales for the works to be undertaken.</p> <p>The operator shall undertake the works outlined in the review within the timescale agreed with the Environment Agency.</p>	3 months after permit issue.

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

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
-	-

Table S2.2 Permitted waste types and quantities for activity AR1, AR2, AR3 and AR6 – battery cutting and shredding	
Maximum quantity	Annual tonnage of all combined activities shall not exceed 35,000 Hazardous properties HP 8
Waste code	Description
<b>16</b>	<b>Wastes not otherwise specified in the list</b>
<b>16 06</b>	<b>batteries and accumulators</b>
16 06 01*	lead batteries
<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 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components

Table S2.3 Permitted waste types and quantities for activity AR4 - processing of catalytic converters	
Maximum quantity	Annual tonnage of all combined activities shall not exceed 35,000 Hazardous properties H6, H8, H7
Waste code	Description
<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 21*	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
<b>16 08</b>	<b>spent catalysts</b>
16 08 03	spent catalysts containing transition metals or transition metal compounds not otherwise specified –from catalytic converters only
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07) –from catalytic converters only
16 08 02*	spent catalysts containing hazardous transition metals or hazardous transition metal compounds –from catalytic converters only
16 08 07*	spent catalysts contaminated with hazardous substances –from catalytic converters only

## 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
LEV01 as shown on the site plan in schedule 7	Local Exhaust Ventilation (LEV) via wet scrubbing system	Total suspended particulates	5 mg/m <sup>3</sup> or other level agreed in writing with the Environment Agency	Hourly average	Once every six months 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.
		Lead (Pb)	As agreed with the Environment Agency under improvement condition IC5	Periodic	Annually or other frequency agreed in writing with the Environment Agency	In accordance with EN 14385 or as agreed in writing with the Environment Agency.
LEV02 as shown on the site plan in schedule 7	Metals CATs Line Local Exhaust Ventilation (LEV)	Total suspended particulates	5 mg/m <sup>3</sup> or other level agreed in writing with the Environment Agency	Hourly average	Once every six months 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.
LEV03 as shown on the site plan in schedule 7	Fume cupboard Local Exhaust Ventilation (LEV)	-	-	-	-	-
LEV04 as shown on the site plan in schedule 7	Honeycomb Mill/sieve Local Exhaust Ventilation (LEV)	-	-	-	-	-
LEV05 as shown on the site plan in schedule 7	CATs Shearing plant Local Exhaust Ventilation (LEV)	-	-	-	-	-

**Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site—emission limits and monitoring requirements**

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
S1 as shown on the site plan in schedule 7 emission to surface water sewer in hall park road	Site surface Runoff	-	No visible oil or grease	-	-	-
S2 as shown on the site plan in schedule 7 emission to surface water sewer in hall park road	Site surface Runoff	-	No visible oil or grease	-	-	-
S3 as shown on the site plan in schedule 7 emission to surface water sewer in hall park road	Site surface Runoff	-	No visible oil or grease	-	-	-

## Schedule 4 – Reporting

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

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Emissions to air Parameters as required by condition 3.5.1.	LEV01, LEV02	Every 12 months	1 January

<b>Table S4.1: Annual production/treatment</b>	
<b>Parameter</b>	<b>Units</b>
Catalytic converters processed	tonnes
Ferrous metal recovered	tonnes

<b>Table S4.2 Performance parameters</b>		
<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Units</b>
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes

<b>Table S4.3 Reporting forms</b>		
<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
Air	Form air 1 or other form as agreed in writing by the Environment Agency	12/12/2018
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	12/12/2018
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	12/12/2018
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	12/12/2018



# Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

## Part A

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

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

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

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

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

<b>(c) Notification requirements for the 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.

“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.

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

“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).

“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.

“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.

“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.

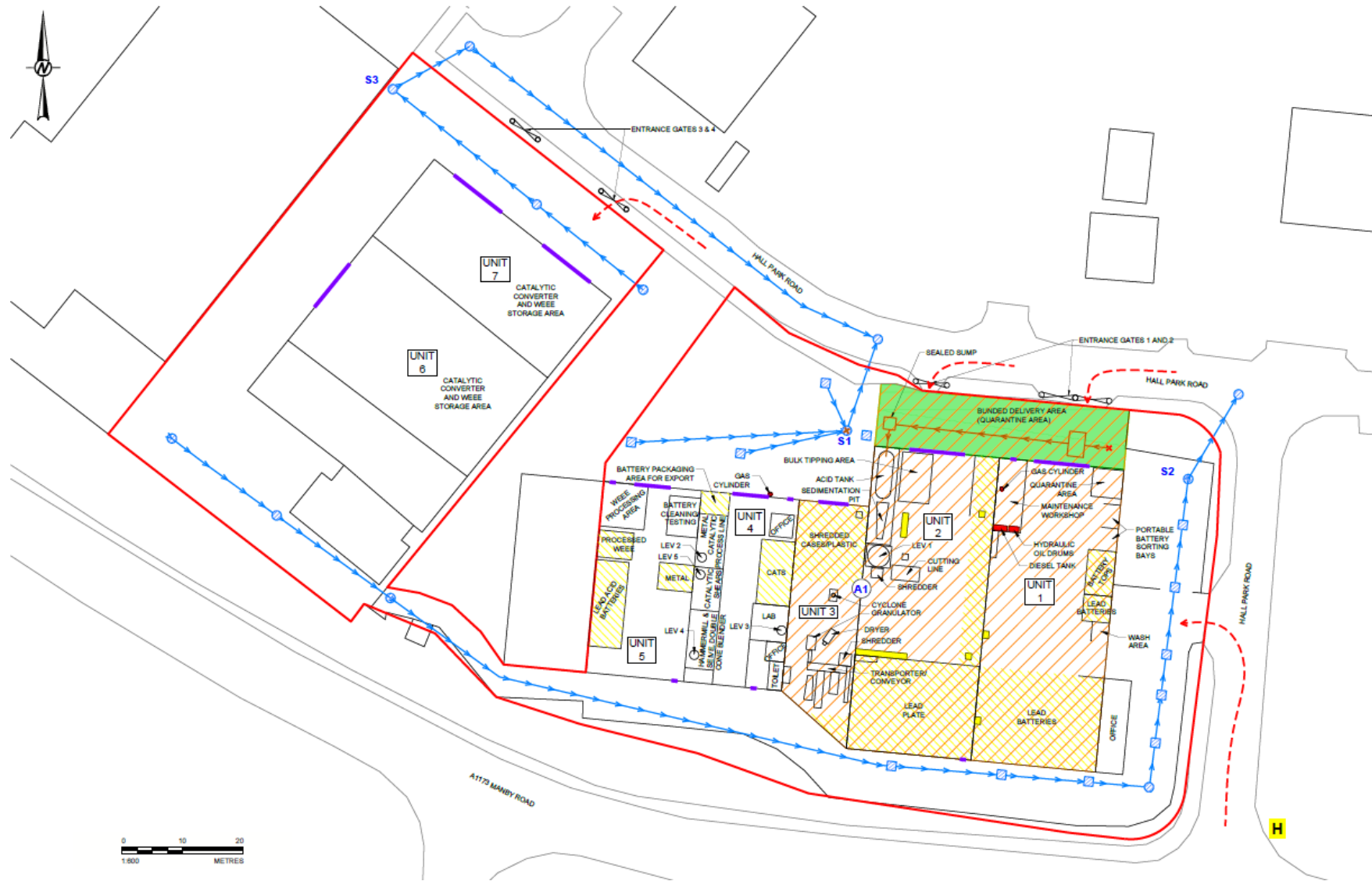
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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.

“year” means calendar year ending 31 December.

# Schedule 7 – Site plan



END OF PERMIT

Permit number  
EPR/CP3294LE