

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Blancomet Recycling UK Limited

Blancomet Recycling
Opal Way
Stone Business Park
Stone
ST15 0SS

Permit number

EPR/KP3439JU

Blancomet Recycling

Permit number EPR/KP3439JU

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Blancomet Recycling UK Limited operate an installation to recover precious metals from hazardous automotive catalysts as a preparatory step prior to further treatment, and treat lead acid batteries. The operator undertakes the following activities under Schedule 1 of the Environmental Permitting Regulations;

- Section S5.3 Part A1(a)(ii) Disposal or recovery of hazardous waste with capacity exceeding 10 tonnes per day involving physico-chemical treatment; and
- Section 5.6 Part A1(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.

The site also undertakes waste operations for the treatment and storage of non-hazardous automotive catalysts, the granulation of wiring looms and storage of alloy wheels and printed circuit boards from end of life vehicles. The annual throughput is less than 17,500 tonnes of hazardous waste and 4,800 tonnes of non-hazardous waste.

The processing of the automotive catalysts is split into two sections: a de-canning facility for removing the scrap ferrous cans from catalysts and the milling of the ceramic catalyst substrate into powder. Once milled, the powder is stored before being transported offsite for further treatment and recovery.

Some of the catalytic converters contain a support mat made from refractory ceramic fibre (RCF). This matting is used to protect the honeycomb centre and also as insulation to maintain the high temperatures needed for the reactions to take place within the catalyst. RCF has properties similar to asbestos and is classed as hazardous waste. As part of the de-canning process, RCF is removed from the can and catalyst core before being stored and then sent for disposal. Any RCF and material containing RCF will be handled and stored in accordance the Environment Agency's quick guide 'Catalytic Converters containing Refractory Ceramic Fibre'.

When received on site the catalytic converters are sorted into those contain RCF (hazardous) and those not containing RCF (non-hazardous), which are then handled and processed separately.

All treatments take place entirely within a building. Air from around potentially dusty operations is extracted by Local Exhaust Ventilation (LEV) systems. Dust from this collected air is abated using single stage high efficiency particulate air (HEPA) bag filters, one located at each end of the of the two process lines. The outlet of each system is ducted and discharged within the building. There is no external point source emission to air from the LEV system.

The lead acid batteries are received and stored in battery boxes, prior to treatment. The recycling plant cuts off the tops of the batteries, removes the acid liquids and gels, removes the lead plates, that are dried prior to storage, and washes the plastics casing prior to shredding. The acid and acid wash water are stored in a bunded tank before removal from site for disposal.

In addition to the installation activities above, there are waste activities for the treatment of wiring looms and the sorting and storage of alloy wheels and printed circuit boards from end of life vehicles.

Wiring looms are initially processed to remove terminals/ends; they are then granulated before passing an overband magnet and are then fed into a floating tank separator to separate copper from the granulated plastic insulating sheath. The metals and plastic are stored prior to being transported off site for further treatment and recovery. The alloy wheels and printed circuit boards are stored prior to transfer offsite for further treatment and recovery.

Pre and post treatment wastes are stored on an impermeable pavement under a weatherproof covering. Clean surface water from roofs or from areas of the site that are not being used in connection with storing and treating waste are discharged via an interceptor to sewer.

The closest receptors are industrial in nature, with the closest receptor sited immediately to the east of Blancomet Recycling UK Limited, whilst the closest residential receptor is located to the west, approximately 425 m away.

There are three Local Nature Reserves within 2 km of the installation, with Stone Meadows LNR present approximately 720 m from the installation. There are five Local Wildlife Sites within approximately 2 km of the installation, the closest of which is Pirehill, approximately 850 m away. The Orange Hayes ancient woodland is present approximately 2 km and the Midland Meres and Mosses Ramsar site is located approximately 10 km of the installation. An assessment of the impact of the installation has been carried out and the installation is considered to have no adverse effect on the habitats sites.

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

Status log of the permit		
Description	Date	Comments
Application EPR/KP3439JU/A001	Duly made 20/02/18	Application duly made
Additional information received	23/05/2018	Responses to the Schedule 5 notice received including an updated Site Working Plan
Permit determined EPR/KP3439JU EAWML 404974 (PAS Billing ref. KP3439JU).	26/6/2018	Permit issued to Blancomet Recycling UK Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/KP3439JU

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Blancomet Recycling UK Limited (“the operator”),

whose registered office is

**Opal Way
Stone Business Park
Stone
ST15 0SS**

company registration number 06989663

to operate an installation and waste operations at

**Blancomet Recycling
Opal Way
Stone Business Park
Stone
ST15 0SS**

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

Name	Date
Philip Lamb	26/06/2018

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

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

1.2 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR4) the operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

- 1.3.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR4) the operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
 - (b) maintain records of raw materials and water used in the activities;
 - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
 - (d) take any further appropriate measures identified by a review.

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

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

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

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR4) 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, 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, S2.3, S2.4 and S2.5; 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.

Waste battery and accumulator treatment

- 2.3.7 Treatment of batteries and accumulators shall, as a minimum, include removal of all fluids and acids.

Hazardous waste storage and treatment

- 2.3.8 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.

2.4 WEEE storage

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

2.5 Improvement programme

- 2.5.1 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.
- 2.5.2 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.

2.6 Pre-operational conditions

- 2.6.1 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

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.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

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

3.3 Odour

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

3.3.2 The operator shall:

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

3.4 Noise and vibration

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

3.4.2 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 Fire prevention

3.5.1 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.

4 Information

4.1 Records

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

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

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

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR4) 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; and
 - (b) the performance parameters set out in schedule 4 table S4.1 using the forms specified in table S4.2 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) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2; and
 - (b) 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 - Storage of hazardous waste	S5.6 A1(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.	D15 – 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). R13 – Storage of hazardous wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).	Storage of hazardous waste catalytic convertors and lead acid batteries prior to treatment or transfer. Including storage of hazardous wastes from treatment activities. Including storage of battery acid and battery washing water in an enclosed tank prior to tankering off-site for treatment. Waste shall be stored within a building with an impermeable pavement and weatherproof covering. Lead acid batteries shall be stored in an appropriate container on an impermeable, acid resistant base and a lid that prevents ingress of water. Buildings, covered areas or containers shall meet the following requirements: <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. Hazardous waste types as specified in Schedule 2 Table 2.2 and Table 2.3.
AR2 – Treatment of hazardous catalytic convertors	S5.3 A1(a)(ii) Disposal or recovery of hazardous waste with capacity exceeding 10 tonnes per day involving physico-chemical treatment.	R4 – Recycling/reclamation of metals and metal compounds.	Treatment consisting only of sorting, separation, grading, shearing, shredding, baling, compacting, crushing and cutting of ferrous metals or alloys and non-ferrous metals into different components for recovery or disposal. Cutting of catalytic convertors to remove the RCF and catalyst to be carried out under local extracted ventilation (LEV) and abated with a HEPA filter. Treatment of catalysts by milling and blending. Disposal of RCF removed from catalytic convertors and metal casings containing RCF matting.

Table S1.1 activities			
			Treatment shall be carried out within a building provided with an impermeable pavement and weatherproof covering. Hazardous waste types as specified in Schedule 2 Table 2.2.
AR3 – Treatment of lead acid batteries	S5.3 A1(a)(ii) Disposal or recovery of hazardous waste with capacity exceeding 10 tonnes per day involving physico-chemical treatment	R4 – Recycling/reclamation of metals and metal compounds. R3: Recycling/reclamation of organic substances which are not used as solvents.	Treatment consisting only of sorting, cutting, draining and separation of lead acid batteries. Treatment shall be carried out within a building provided with an impermeable pavement and weatherproof covering. Lead acid batteries shall be stored in containers with an impermeable, acid resistant base and a lid that prevents ingress of water. Hazardous waste types as specified in Schedule 2 Table 2.3.
Directly Associated Activity			
AR4	Storage of processed materials, excluding temporary storage of hazardous waste under Section 5.6 A(1)(a)	R13: Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).	Storage of non-hazardous recovered fractions following treatment. The catalytic converter metal casings shall be stored in containers designed, constructed and maintained to prevent ingress of rain and surface water. All other waste shall be stored within a building with an impermeable pavement and weatherproof covering. Buildings, covered areas or containers shall meet the following requirements: <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.
Activity reference	Description of activities for waste operations	Limits of activities	
AR5 – Treatment of non-hazardous catalytic converters	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) R4: Recycling/reclamation of metals and metal compounds	Storage and treatment of non-hazardous waste. Treatment consisting only of sorting, separation, grading, shearing, shredding, baling, compacting, crushing and cutting of ferrous metals or alloys and non-ferrous metals into different components for recovery. The treatment by shredding, in aggregation with AR6, shall not exceed 75 tonnes per day.	

Table S1.1 activities		
		<p>Treatment of catalysts by milling and blending. Storage of non-hazardous waste pre and post treatment prior to transfer.</p> <p>Treatment shall be carried out within a building provided with an impermeable pavement and weatherproof covering.</p> <p>The catalytic converter metal casings shall be stored in containers designed, constructed and maintained to prevent ingress of rain and surface water.</p> <p>All other waste shall be stored within a building with an impermeable pavement and weatherproof covering.</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. <p>Cutting of catalytic converters to remove the catalyst to be carried out under local extracted ventilation (LEV) and abated with a HEPA filter.</p> <p>Non-hazardous waste types as specified in Schedule 2 Table 2.2.</p>
AR6 – Granulation of wiring looms	<p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R4: Recycling/reclamation of metals and metal compounds</p>	<p>Storage and treatment of non-hazardous waste. Treatment consisting only of shredding and granulation of waste containing ferrous and non-ferrous metals for recovery. The treatment by shredding or granulation, in aggregation with AR5, shall not exceed 75 tonnes per day.</p> <p>Storage of non-hazardous waste pre and post treatment and for transfer.</p> <p>Storage and treatment shall be carried out within a building with an impermeable pavement and weatherproof covering.</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. <p>Waste types suitable for acceptance are limited to those non-hazardous waste types specified in Table S2.4.</p>
AR7 – Storage of alloy wheels and printed	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending	<p>Storage of non-hazardous waste for transfer. Treatment consisting only of sorting, separation and grading.</p>

Table S1.1 activities		
circuit boards	collection, on the site where it is produced).	<p>Waste shall be stored within a building with an impermeable pavement and weatherproof covering.</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. <p>Waste types suitable for acceptance are limited to those non-hazardous waste types specified in Table S2.5.</p>

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	<p>Application document(s) provided in response to section 3 – Operating Techniques, Part B3 of the application form.</p> <p>Application document(s) provided in response to Appendix 5 – Specific questions for the hazardous and non-hazardous waste recovery and disposal sector, Part B3 of the application form.</p>	Duly Made 20/02/18
Response to Schedule 5 Notice dated 30/03/18	170802 - Site Working Plan rev 1.4	23/05/2018
Response to Schedule 5 Notice dated 30/03/18	B.FPP.1805 V1.0 – Blancomet Fire Prevention Plan – Dated May 2018	23/05/2018
Application	Dust Management Plan DMCv1.1 02/06/2017	Duly Made 20/02/18

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The operator shall submit a report to the Environment Agency to demonstrate completion of Wamitab/CIWM technical competence scheme, this should include:</p> <ul style="list-style-type: none"> • The high risk tier Hazardous Waste Treatment qualification. <p>The notification requirements of condition 2.5.2 will be deemed to have been complied with on submission of the report.</p>	01/06/2019
IC2	<p>The operator shall submit a report to the Environment Agency for approval to demonstrate that weather proof buildings constructed for the storage of waste allow no water ingress and that the discharge to sewer is clean surface water only.</p> <p>The notification requirements of condition 2.5.2 will be deemed to have been complied with on submission of the report.</p>	01/06/2019

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
Pre-op1	Lead acid battery treatment	<p>At least 4 weeks before operation, the operator shall submit to the Environment Agency for approval a report to demonstrate that the necessary procedures are in place for the operation of the lead acid battery treatment, acid storage and the cleaning and storage of the lead and milled plastic.</p> <p>This should also demonstrate that the staff have received the necessary training and evidence of Approved Battery Treatment Operator (ABTO) status.</p>
Pre-op2	Lead acid battery treatment	<p>The operator shall submit a report, at least 4 weeks before the start of operations, demonstrating that all acid storage tanks and pipelines have been leak-tested.</p>

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 the treatment of hazardous and non-hazardous catalytic converters.	
Maximum quantity	The total quantity of hazardous waste accepted at the site shall be less than 17,500 tonnes a year. The total quantity of non-hazardous waste accepted at the site shall be less than 4,800 tonnes a 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 21*	Hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 1601 14 (catalytic converter containing RCF matting)
16 01 22	Components not otherwise specified (catalytic converter excluding those containing RCF matting)

Table S2.3 Permitted waste types and quantities for treatment of lead acid batteries	
Maximum quantity	The total quantity of hazardous waste accepted at the site shall be less than 17,500 tonnes a year.
Waste code	Description
16	Wastes not otherwise specified in the list
16 06	batteries and accumulators
16 06 01*	Lead batteries

Table S2.4 Permitted waste types and quantities for granulation of wiring looms	
Maximum quantity	The total quantity of non-hazardous waste accepted at the site shall be less than 4,800 tonnes a 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 22	Components not otherwise specified (end-of-life vehicle wiring looms)

Table S2.5 Permitted waste types and quantities for storage of alloy wheels and printed circuit boards	
Maximum quantity	The total quantity of non-hazardous waste accepted at the site shall be less than 4,800 tonnes a 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 17	Ferrous metal (end-of-life vehicle wheels)
16 01 18	Non-ferrous metal (end-of-life vehicle wheels)
16 02	Wastes from electrical and electronic equipment
16 02 16	Components removed from discarded equipment other than those mentioned in 16 02 15 (Printed Circuit Boards from end-of-life vehicles)

Schedule 3 – Emissions and monitoring

Table S3.1 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
Interceptor as on site plan in schedule 7 emission to Sewer	Rain and uncontaminated surface water	--	--	--	--	--

Schedule 4 – Reporting

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

Table S4.1 Performance parameters		
Parameter	Frequency of assessment	Units
Energy usage	Annually	MWh
Water usage	Annually	Tonnes

Table S4.2 Reporting forms		
Media/parameter	Reporting format	Date of form
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY

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.

“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 to land” includes emissions to groundwater.

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

“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 or background concentration limit.

“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.

When the following terms appear in the waste code list in Schedule 2, tables 2.2, 2.3, 2.4 and 2.5 for those tables, they have the meaning given below:

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

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

‘PCBs’ means

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

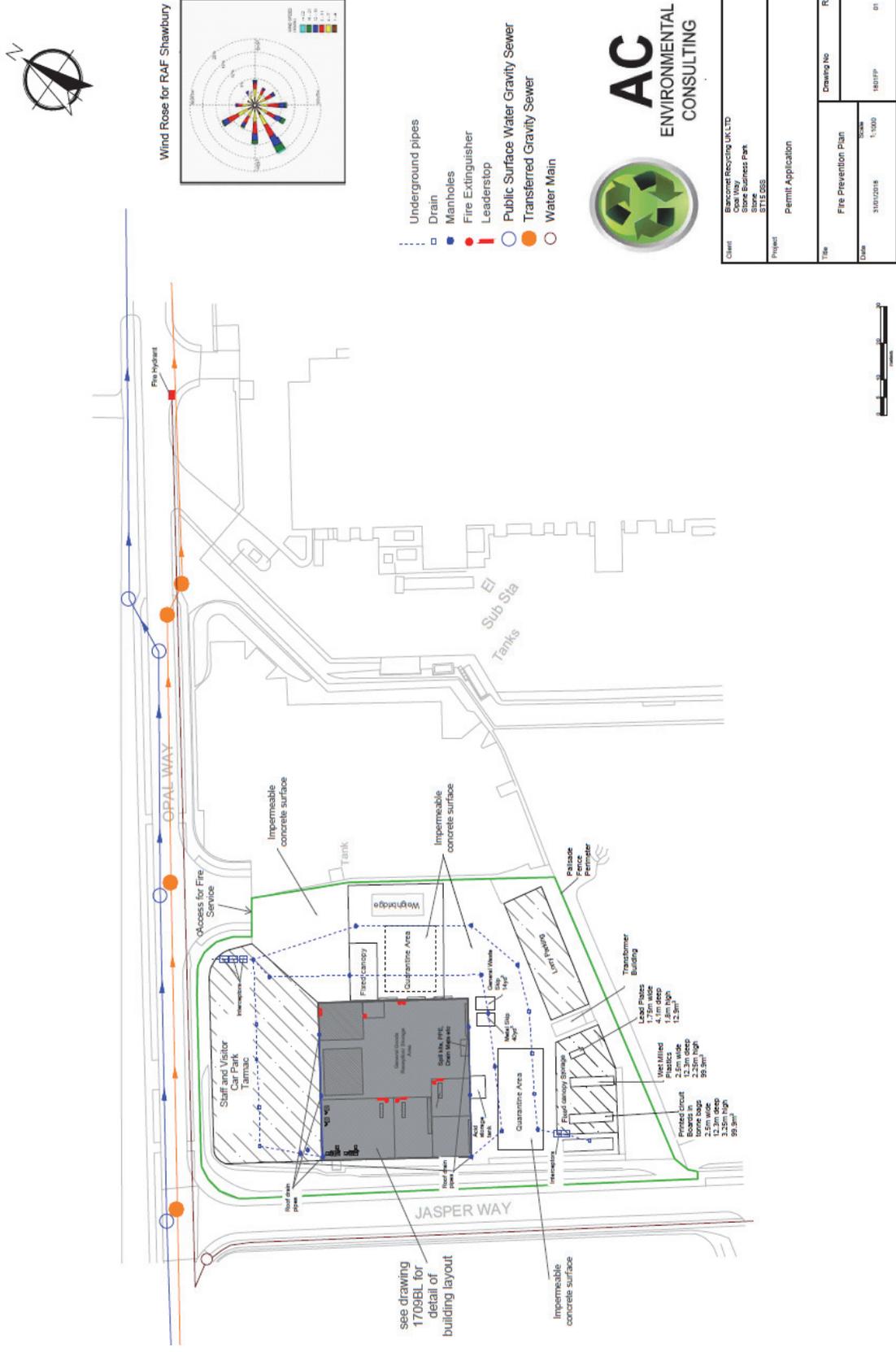
‘transition metals’ means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified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

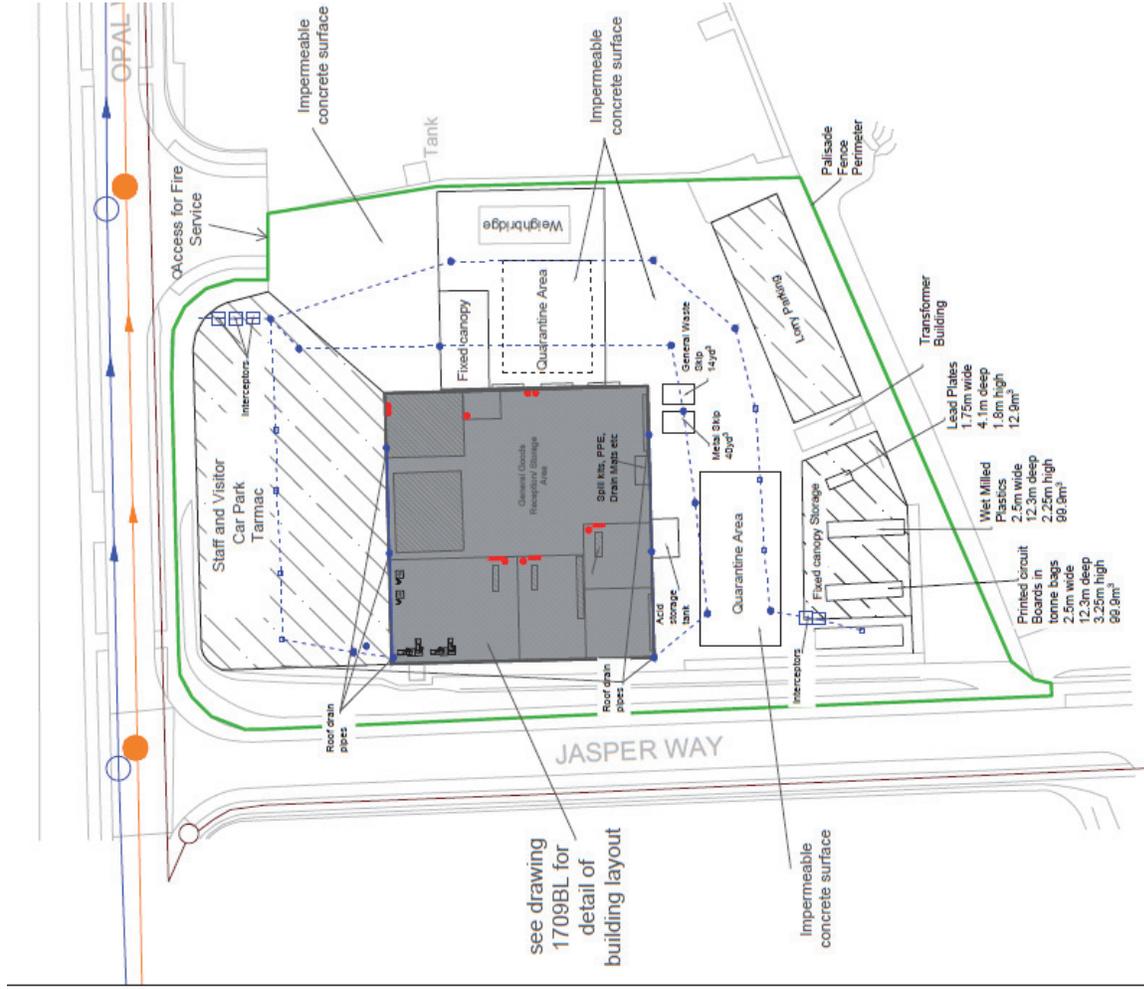
‘stabilisation’ means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste.

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

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

Schedule 7 – Site plan





END OF PERMIT

Permit number
EPR/KP3439JU

Permit Number:

KP3439JU

Operator: **Blancomet Recycling UK Limited**

Facility:

Blancomet Recycling Form Number: Energy1 / DD/MM/YY

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:

KP3439JU

Operator: **Blancomet Recycling UK Limited**

Facility:

Blancomet Recycling Form Number:WaterUsage1 / DD/MM/YY

Reporting of Water Usage for the year

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
Mains water		
Site borehole		
River abstraction		
TOTAL WATER USAGE		

Operator's comments:

Signed

(authorised to sign as representative of Operator)

Date.....