Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

LiBatt Recycling Ltd

Wolverhampton Waste Facility
Lincoln Street
Wolverhampton
West Midlands
WV10 0DX

Variation application number

EPR/BP3949QN/V003

Permit number

EPR/BP3949QN

Wolverhampton Waste Facility
Permit number EPR/BP3949QN

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. Only the variations specified in schedule 1 are subject to a right of appeal.

This administrative variation notice has been issued to ensure that permitted activity AR5 (Storage and bulking up of hazardous waste oil) currently authorised by this permit as notified by the operator on 05/07/2024 as currently mothballed/suspended, can only recommence on issue of a new permit variation notice, following an application made by the operator to vary their permit accordingly. The new permit will be issued in accordance with the Waste Treatment BAT conclusions (published 17/08/2018) and all applicable guidance including 'Chemical Wastes: appropriate measures for permitted facilities' (published 18/11/2020) and other appropriate measures guidance as required for the site.

In addition, variations have been made to correct errors, amend the registered address and facilitate permit issue.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	**Date**	**Comments**
Waste Licence SL2040 issued (EAWML 46101)	28/01/1998	-
Licence modified	18/05/1998	-
Application EPR/BP3095VJ/T001 received	23/02/2009	-
Transfer of permit issued EPR/BP3095VJ	22/04/2009	-
Application EPR/GP3190VR/T001 Received (Full transfer of permit BP3095VJ)	04/03/2010	-
Transfer of permit issued EPR/GP3190VR	26/03/2010	-
Application EPR/GP3190VR/V002 PAS ref (RP3737TP)	Duly made 30/07/2010	-
Additional information supplied	20/09/2010 & 05/11/2010	-
Variation EPR/GP3190VR/V002 issued	23/12/2010	-
Application EPR/ZP3530EQ/T001 (Full transfer of permit EPR/GP3190VR)	Duly Made 19/09/2013	Application to transfer to Acumen Energy Limited.

Transfer Issued EPR/ZP3530EQ/T001	30/09/2013	-
Agency Variation Determined EPR/ZP3530EQ/V002	10/01/2014	Agency variation to implement the changes introduced by IED.
Notified of change of company name	23/12/2015	Name changed to AVISTA OIL Services (UK) Ltd.
Variation issued EPR/ZP3530EQ/V003	28/01/2016	Varied permit issued to AVISTA OIL Services (UK) Ltd.
Application EPR/HP3630QR/T001 (Full transfer of permit EPR/ZP3530EQ)	Duly made 08/06/2018	Application to transfer the permit in full to Slicker Recycling Limited.
Transfer determined EPR/BP3949QN	22/06/2018	Full transfer of permit complete.
Application EPR/BP3949QN/T001 (full transfer of permit EPR/HP3630QR)	Duly made 12/05/2022	Application to transfer the permit in full to LiBatt Recycling Ltd.
Transfer determined EPR/BP3949QN	23/05/2022	Full transfer of permit complete.
Variation application received EPR/BP3949QN/V002	Duly made 27/10/2022	Application to vary permit: •Amend the existing waste oil storage and treatment activities to allow the storage of waste oil and anti-freeze with a maximum storage capacity of 120,000 litres within 4 storage tanks. •Add a new activity for the shredding and processing of lithium batteries. •Add a new activity for a hazardous battery transfer station for the purpose of storage, repackaging and bulking up prior to dispatch off-site for further treatment for recycling. •Amend the non-hazardous waste operation to accept only non-hazardous batteries for storage and bulking up prior to dispatch off-site for further treatment for recycling.
Request for further information Schedule 5 notice issued.	10/02/2023	
Request for further information Schedule 5 notice issued.	17/03/2023	
Variation issued EPR/BP3949QN/V002	21/04/2023	Varied permit issued to LiBatt Recycling Limited
Permit review- Regulation 61 Notice sent to Operator	18/11/2021	Regulation 61 Notice requiring information for statutory review of permit.
Permit review – Regulation 61 Notice response	28/02/2022	Response received from the operator.
Additional information	05/07/2024	Email confirming cessation of oil storage activity AR5.
Administrative variation and consolidation issued EPR/BP3949QN/V003	03/01/2025	Varied and consolidated permit issued to LiBatt Recycling Limited.

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/BP3949QN

Issued to

LiBatt Recycling Ltd (“the operator”)

whose registered office is

Lincoln Street
Heath Town
Wolverhampton
WV10 0DX

company registration number 13363779

to operate a regulated facility at

Wolverhampton Waste Facility
Lincoln Street
Wolverhampton
West Midlands
WV10 0DX

to the extent set out in the schedules.

The notice shall take effect from 03/01/2025

Name	Date
Anne Lloyd	**03/01/2025**

Authorised on behalf of the Environment Agency

Schedule 1

The following conditions were varied as a result of an Environment Agency initiated variation:

Amended Table S1.1 activity AR5 as referenced by condition 2.1.1 to add reference to preoperational condition 2.

Amended Table S1.3 as referenced by condition 2.4.1 to amend IC completion date

Amended Table S1.4 as referenced by condition 2.5.1 to add preoperational condition 2.

Amend condition 2.2.1 to change reference to site boundary to green

Added condition 2.3.3 to accompany table S2.1

Schedule 2 – Consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BP3949QN

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BP3949QN/V003 authorising,

LiBatt Recycling Ltd ("the operator"),

whose registered office is

Lincoln Street
Heath Town
Wolverhampton
WV10 0DX

company registration number 13363779

to operate an installation and waste operation at

Wolverhampton Waste Facility
Lincoln Street
Wolverhampton
West Midlands
WV10 0DX

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

Name	Date
Anne Lloyd	**03/01/2025**

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 or other approval issued by the Environment Agency.

1.2 Energy efficiency

1.2.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR11) 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 AR11) 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 AR12) 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 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.

Hazardous waste storage and treatment

2.3.7 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 Improvement programme

2.4.1 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.

2.4.2 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.

2.5 Pre-operational conditions

2.5.1 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 table S3.1 and S3.2.

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

3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;

(b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

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

3.3.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;

(b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

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

3.4.2 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 table S3.1 and S3.2.

(b) process monitoring specified in table S3.3

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 table S3.1 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

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

3.6.2 The operator shall:

(a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;

(b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.7 Fire prevention

3.7.1 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 AR12) 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.

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

(a) the Environment Agency shall be notified at least 14 days before making the change; and

(b) the notification shall contain a description of the proposed change in operation.

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

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

(a) a decision by the Secretary of State not to re-certify the agreement;

(b) a decision by either the operator or the Secretary of State to terminate the agreement; and

(c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

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

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

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
AR1 – Treatment of hazardous wastes from Li battery shredding process	S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Treatment of more than 10 tonnes of hazardous wastes a day for the purpose of recovery. Sieving and separating for onward recovery of hazardous materials generated by AR7 from the shredding of lithium batteries. R4 Recycling/reclamation of metals and metal compounds	Treatment operations shall be limited to: Treatment within an integrated plant. Consisting only of drying in a vacuum, mechanical sorting, and separation: sieving of hazardous waste into different components for recovery. All treatment activities shall be carried out at all times using a nitrogen blanket to prevent any risk of fires or explosions. Treatment shall only take place within the processing buildings on impermeable surface with sealed drainage as shown on drawing LiB_002. Subject to any other requirements of this permit wastes shall be stored for no longer than 6 months prior to recovery. Waste types are limited to the waste output from activity AR7 only. A maximum of 20 tonnes per day shall be treated.
AR2 – Hazardous waste sorting and separation	S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Treatment of more than 10 tonnes of hazardous wastes a day for the purpose of recovery. R4: Recycling/reclamation of metals and metal compounds.	From receipt and storage of hazardous waste prior to despatch off site. Treatment consisting of manual sorting, separation and bulking up of hazardous waste (Batteries only) so that batteries are stored separately by type/chemistry. Treatment and storage must take place within the pre-processing storage building as shown on drawing LiB_002. All batteries shall be stored in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system. Lead acid batteries shall be stored upright with terminals taped off or capped, in acid proof containers to prevent leaks and short circuits.

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**
			Nickel metal hydride (Ni-MH) batteries shall be stored in a way that will prevent them being damaged. Li based batteries from electric vehicles shall be stored separately from other batteries. Li based batteries shall be stored to prevent them from: •coming into contact with any liquids •being damaged •being exposed to high temperatures No waste shall be stored for longer than 6 months. Waste types as specified as hazardous waste in Table S2.2.
AR3 – Hazardous waste repackaging	S5.3 A(1)(a)(iv) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging	Treatment of more than 10 tonnes of hazardous wastes a day for the purpose of recovery. R4: Recycling/reclamation of metals and metal compounds.	From receipt and storage of hazardous waste prior to despatch off site. Treatment consisting of repackaging of hazardous waste (Batteries only). All treatment and storage must take place within the pre-processing storage building on impermeable surface with sealed drainage as shown on drawing LiB_002. All batteries shall be stored in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system. Lead acid batteries shall be stored upright with terminals taped off or capped, in acid proof containers to prevent leaks and short circuits. Nickel metal hydride (Ni-MH) batteries shall be stored in a way that will prevent them being damaged. Li based batteries from electric vehicles shall be stored separately from other batteries. Li based batteries shall be stored to prevent them from: •coming into contact with any liquids

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**
			•being damaged •being exposed to high temperatures Repackaging of waste shall not change either the maximum storage times for waste on site or the amount that can be stored. No waste shall be stored for longer than 6 months. Waste types as specified as hazardous waste in Table S2.2.
AR4 – Hazardous waste storage (Batteries)	S5.6 A(1)(a) Temporary storage of hazardous waste in a facility with a total capacity exceeding 50 tonnes pending any of the activities listed in Section 5.1, 5.2 and 5.3	Temporary storage of more than 50 tonnes of hazardous waste pending disposal or recovery. D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced). 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).	Storage of hazardous waste pending transfer for treatment off site. (Batteries only) No waste shall be stored for longer than 6 months. Storage must take place within the pre-processing storage building on impermeable surface with sealed drainage as shown on drawing LiB_002. All batteries shall be stored in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system. Lead acid batteries shall be stored upright with terminals taped off or capped, in acid proof containers to prevent leaks and short circuits. Nickel metal hydride (Ni-MH) batteries shall be stored in a way that will prevent them being damaged. Li based batteries from electric vehicles shall be stored separately from other batteries.

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**
			Li based batteries shall be stored to prevent them from: •coming into contact with any liquids •being damaged •being exposed to high temperatures Waste types restricted to the hazardous wastes listed in table S2.2.
AR5 – Hazardous waste storage (Waste oil)	S5.6 A(1)(a) Temporary storage of hazardous waste in a facility with a total capacity exceeding 50 tonnes pending any of the activities listed in Section 5.1, 5.2 and 5.3	Temporary storage of more than 50 tonnes of hazardous waste pending recovery. 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).	Subject to the requirement set-out by pre-operational condition 2. Storage and bulking up of hazardous waste oil pending transfer for treatment off site. Total storage not to exceed 120,000 litres of hazardous waste oil at any one time. Subject to any other requirements of this permit wastes shall be stored for no longer than 6 months prior to recovery. No treatment of waste oil shall be permitted. All wastes shall be stored within 4 30,000 litre tanks numbered 1-4, on impermeable pavement bunded area with no drainage, as shown on drawing LiB_002. Waste types restricted to the hazardous waste oils listed in table S2.3.
	Directly Associated Activity		
AR6	Storage of Lithium Batteries prior to on site treatment	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage pending collection, on the site where it is produced)	From receipt of non-hazardous lithium batteries to storage prior to onsite treatment. Lithium batteries shall be stored within the pre-processing storage building on impermeable surface with sealed drainage as shown on drawing LiB_002.

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**
			Li based batteries from electric vehicles shall be stored separately from other batteries. Li based batteries shall be stored to prevent them from: •coming into contact with any liquids •being damaged •being exposed to high temperatures Subject to any other requirements of this permit wastes shall be stored for no longer than 6 months prior to recovery. Waste types are limited to Li batteries as specified in Table S2.2.
AR7	Shredding of Lithium Batteries	R4 Recycling/reclamation of metals and metal compounds	Treatment operations shall be limited to: Treatment consisting only of shredding, and granulation of non-hazardous waste into different components for recovery. Treatment shall only take place within a building only when the shredding activity is within a nitrogen atmosphere to prevent risk of fire and explosions. Treatment for recovery shall be no more than 20 tonnes per day. Subject to any other requirements of this permit wastes shall be stored for no longer than 6 months prior to recovery. Waste types are limited to Li batteries (EWC codes 16 06 05 and 20 01 34) specified in Table S2.2.
AR8	Medium Combustion Plant with appropriate abatement fitted	Use of MCP (15MW diesel generator) to provide initial top-up electricity and then used as a back-up emergency generator once the electricity power supply has been upgraded.	Use of generator will be limited to less than 500 hours use in any year whether for top-up use or back-up emergency use.
AR9	Raw materials handling and storage	Handling and storage of raw materials, including fuel and chemicals.	Receipt and storage of any raw materials directly associated with the permitted activities on site. All liquid raw materials shall be stored in sealed containers/tanks within bunded

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**
			areas or within plant with storage with integral bunds. No more than 1400 litres diesel to be on site at any one time. Nitrogen gas shall be stored within either a purpose built tank or stored within gas bottles within an appropriate safety cage.
AR10	Storage of residual waste produced as part of the on-site treatment of Lithium Batteries.	Handling and storage of residual waste from the Lithium battery shredding and treatment sorting activity.	From the production of the residual waste to the storage of such waste prior to the removal off site for treatment or disposal elsewhere. Storage of all residual wastes must be in-line with the most suitable BAT requirements. Storage of liquid electrolyte must be in sealed containers within bunded areas. The maximum number of containers containing electrolyte shall be no more than 2x205 litre drums. Each drum must have a blanket of nitrogen added to prevent potential explosions/fires. Storage of residual black mass must be within suitable containers within the dedicated building as shown on drawing LiB_002. This building must be fitted with the appropriate fire detection and control measures at all times. No waste shall be stored for longer than 6 months.
AR11	Discharge to foul sewer	Discharge to foul sewer under the terms of the trade effluent consent.	Site drainage to be discharged to foul sewer via the site interceptor.
Waste Operations			
Activity reference	**Description of activities for waste operations**	**Limits of activities**	
AR12- Non-hazardous waste transfer station (Batteries and antifreeze only)	Storage of non-hazardous waste before transfer off site. R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage pending collection, on the site where it is produced).	From receipt and temporary storage of non-hazardous wastes (batteries only) before transfer off site for recovery. Storage of all wastes must be in-line with the most suitable BAT requirements. Storage of batteries must take place within the pre-processing storage building on impermeable surface with sealed drainage as shown on drawing LiB_002.	

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**
			Storage of antifreeze must be within a purpose built tank on impermeable pavement bunded area with no drainage or stored within one 1000 litre IBC which is stored within a bunded building or area. No waste shall be stored for longer than 6 months. Waste types and quantity restricted to the non-hazardous wastes listed in table S2.2 and antifreeze from table S2.3.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Variation Application EPR/BP3949QN/V002	Application forms C2 and C3 and referenced supporting information	Duly made 27/10/22
Additional information received	LiBatt Noise Vibration Management Plan	28/10/22
Additional information received	LiBatt – Schedule 5 Notice; Response	06/03/23
Additional information received	LiBatt- Schedule 5 Notice; Response2	06/03/23
Additional information received	LiBatt Fire Prevention Plan FPP V1	06/03/23
Additional information received	LiBatt Spill Management Plan V1	06/03/23
Additional information received	LiBatt Residue Management Plan V1	06/03/23
Additional information received	LiBatt Waste Storage Policy V1	06/03/23
Additional information received	Waste Oil Operations Plan V1	06/03/23
Additional information received	Appendix 1 Management System Description	06/03/23
Additional information received	Appendix 3 Li-Batt Non-Technical Summary	06/03/23
Additional information received	Appendix 4 Lithium Process Summary	06/03/23
Additional information received	Appendix 6 Best Available Techniques Explanation LiBatt	06/03/23
Additional information received	LiBatt Appropriate measures Oct 22	06/03/23

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Additional information received	LiBatt Dust and Emissions Management Plan V8	06/03/23
Additional information received	LiBatt Loading and unloading waste from road tanker to storage tank V2	06/03/23
Additional information received	LiBatt Operational Contingency plan V1	06/03/23

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	The operator shall ensure that a review of the design, method of construction and integrity of all bunds surrounding the outdoor tank farm be carried out be a qualified structural engineer. This shall compare the existing bunds and adjoining pipework against the appropriate technical standards The review shall include: • The physical condition of the bunds, • Their suitability for providing containment when subjected to the dynamic and static loads caused by catastrophic tank failure, · • Any work required to ensure compliance with the standards set out in CIRIA Reports 163 and 164 for reinforced concrete or masonry bunds, and · • Suggested prevention maintenance and inspection regime. A written report of the review shall be submitted to the Environment Agency detailing the reviews findings and recommendations.	3 months from date of issue of variation EPR/BP3949QN/V002
IC2	The Operator shall submit a written report to the Environment Agency for technical assessment and approval. The report must contain: • Results of monitoring from emission point 'Baghouse exhaust' of the parameters assessed within the H1 submitted with the application and any other parameters to verify the assumptions made within the H1. The results shall be taken from a minimum of three rounds of monitoring. • A revised H1 using the results of the monitoring where the actual emissions are higher than those in the original H1. • Detailed air dispersion modelling where the emissions do not screen out within the revised H1. • Measures to be taken to reduce or abate emissions where detailed modelling does not screen out emissions. • The Operator shall implement any improvement measures and applicable limits identified within the report in line with a timetable agreed in writing with the Environment Agency.	3 months from date of issue of variation EPR/BP3949QN/V002
IC3	The operator shall ensure that a review of the integrity of all oil storage tanks and surfacing against the requirements of section 2.1.3 and 2.2.5 of the Sector Guidance note S5.06 be carried out by a qualified engineer. The review shall identify any measures necessary to meet those requirements and propose a timescale for implementing them. A written report of the review shall be submitted to the Environment Agency detailing the reviews findings and recommendations.	3 months from date of issue of variation EPR/BP3949QN/V002

Table S1.4: Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
1	Li battery shredding and processing activities under AR1 and AR7	Prior to use of the Li battery shredding and processing plant the operator shall submit a commissioning plan/report for approval by the environment agency. The commissioning plan/report must include the following • Details of the proposed commissioning procedures and timescales associated with the activities and inert nitrogen abatement/control system. • Confirmation and details of monitoring systems, audits and emergency procedures are in place on site so as to ensure both activities and inert nitrogen abatement/control system are fully operational and working as designed. • Propose/agree monitoring programme to fully characterise and confirm emissions from the treatment processes (to air), to provide emissions inventory, as required by BATCs
2	Recommencement of activity AR5 in table S1.1	Prior to the recommencement of activity AR5 authorised by table S1.1, including any waste acceptance, storage and treatment which are in temporary cessation under this variation notice, the operator shall apply to the Environment Agency to vary the permit and provide supporting documents in accordance with the requirements of the Waste Treatment BAT conclusions and Chemical Wastes: appropriate measures for permitted sites and other appropriate measures guidance as applicable. The activities permitted shall only recommence once the permit variation has been issued by the Environment Agency.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Diesel Fuel	-
Nitrogen Gas	-
Fire suppressant material	-

Table S2.2 Permitted waste types and quantities for activities AR2, AR3, AR4, AR6, AR7 and AR12	
Maximum quantity	**The total waste accepted at site for all activities will not exceed 22,000 tonnes per year.**
Waste code	**Description**
16	**Wastes not otherwise specified in the list**
16 06	**batteries and accumulators**
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	mercury-containing batteries
16 06 04	alkaline batteries (except 16 06 03*)
16 06 05	other batteries and accumulators (includes Li batteries)
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 34	batteries and accumulators other than those mentioned in 20 01 33 (includes Li batteries)

Table S2.3 Permitted waste types and quantities for activities AR5 and AR12	
Maximum quantity	**The total waste accepted at site for all activities will not exceed 22,000 tonnes per year.**
Waste code	**Description**
13	**Oil Wastes and Wastes of Liquid Fuels (except edible oils and those in chapters 05, 12 and 19**
13 02	**oil/water separator contents**
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 08*	other engine, gear, and lubricating oils
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 15	antifreeze fluids other than those mentioned in 16 01 14
19	**Wastes from Waste Management Facilities, Off-site Waste Water Treatment Plants and the Preparation of Water Intended for Human Consumption and Water for Industrial Use**
19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 07*	oil and concentrates from separation

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**
Vacuum Pump Exhaust as shown on drawing No. LiB_006	Emission point	Total Particulate Matter (Dust)	5 mg/m^3	Average value of 3 consecutive measurements of at least 30 minutes each	Quarterly, dropping to 6 monthly after first 12 months with EA agreement	BS EN 13284-1
Baghouse Exhaust as shown on drawing No. LiB_006	Emission point	Total Particulate Matter (Dust)	5 mg/m^3	Average value of 3 consecutive measurements of at least 30 minutes each	Quarterly, dropping to 6 monthly after first 12 months with EA agreement	BS EN 13284-1
Generator Exhaust -as shown on drawing No. LiB_006	Emission point	Oxides of Nitrogen (NO and NO2 expressed as NO2)	190 mg/m3	Periodic, as specified in the method	Within 4 months of permit issue/commissioning then every year or as requested by the Environment Agency.	MCERTS BS EN 14792 [Note 1]
Baghouse Exhaust as shown on drawing No. LiB_006	Emission point	Total VOCs	As agreed in line with IC2	Average of 3 consecutive representative measurements of at least 30 minutes each or as agreed in line with IC2	As agreed in line with IC2	EN 12619
Baghouse Exhaust as shown on drawing No. LiB_006	Emission point	Ni, Cd	No Limit or as agreed in line with IC2	Average of 3 consecutive representative measurements of at least 30 minutes each or as agreed in line with IC2	As agreed in line with IC2	EN 14385 or as agreed in line with IC2
Baghouse Exhaust as shown on drawing No. LiB_006	Emission point	As, Co, Cr, Cu, Mn, Pb, Sb, Se, Tl, V	As agreed in line with IC2	Average of 3 consecutive representative measurements of at least 30 minutes each or as agreed in line with IC2	As agreed in line with IC2	EN 14385 or as agreed in line with IC2
Baghouse Exhaust as shown on drawing No. LiB_006	Emission point	SO_2	As agreed in line with IC2	Average of 3 consecutive representative measurements of at least 30 minutes each	As agreed in line with IC2	As agreed in line with IC2

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**
				or as agreed in line with IC2		
Baghouse Exhaust as shown on drawing No. LiB_006	Emission point	HCl	As agreed in line with IC2	Average of 3 consecutive representative measurements of at least 30 minutes each or as agreed in line with IC2	As agreed in line with IC2	As agreed in line with IC2
Baghouse Exhaust as shown on drawing No. LiB_006	Emission point	HF	As agreed in line with IC2	Average of 3 consecutive representative measurements of at least 30 minutes each or as agreed in line with IC2	As agreed in line with IC2	As agreed in line with IC2
Baghouse Exhaust as shown on drawing No. LiB_006	Emission point	Brominated flame retardants	As agreed in line with IC2	Average of 3 consecutive representative measurements of at least 30 minutes each or as agreed in line with IC2	As agreed in line with IC2	As agreed in line with IC2
Baghouse Exhaust as shown on drawing No. LiB_006	Emission point	Dioxin-like PCBs	As agreed in line with IC2	Average of 3 consecutive representative measurements of at least 30 minutes each or as agreed in line with IC2	As agreed in line with IC2	As agreed in line with IC2
Baghouse Exhaust as shown on drawing No. LiB_006	Emission point	PCDD/F	As agreed in line with IC2	Average of 3 consecutive representative measurements of at least 30 minutes each or as agreed in line with IC2	As agreed in line with IC2	As agreed in line with IC2

Note 1: Concentrations are defined at a temperature of 27.3.15K, a pressure of 101.3kPa at 17% O2 with no correction for water vapour.

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. Unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
Site interceptor emission point as shown on drawing no. LiB_006.	Uncontaminated rainwater	No parameters set	No limit set	-	-	-

Table S3.3 In process monitoring requirements				
Emission point ref. or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Li battery shredding and processing activities under AR1 and AR7	Nitrogen blanket	As agreed, as part of pre-operational condition 1	As agreed, as part of pre-operational condition 1	As agreed, as part of pre-operational condition 1
	Temperature	As agreed, as part of pre-operational condition 1	As agreed, as part of pre-operational condition 1	As agreed, as part of pre-operational condition 1
	Bag filter	As agreed, as part of pre-operational condition 1	As agreed, as part of pre-operational condition 1	As agreed, as part of pre-operational condition 1

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data			
Parameter	**Emission or monitoring point/reference**	**Reporting period**	**Period begins**
Point source emissions to air Parameters as required by condition 3.5.1	Emissions points as shown on drawing No. LiB_006	Every 6 months or as agreed in line with IC2	1 January, 1 July

Table S4.2 Annual production/treatment	
Parameter	**Units**
Black mass	Kgs/tonnes
Waste oil	tonnes
Electrolyte	litres
Paper and plastic	Kgs
Metals	Kgs

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Water usage	Annually	tonnes/m^3
Diesel usage	Annually	litres
Generator usage	Annually	hours
Energy usage	Annually	MWh
Nitrogen usage	Annually	M^3

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Point source emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Waste returns	E-Waste Return Form	-

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 breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

(d) 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.

“background concentration” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

“D” means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“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.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“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 lll of the Waste Framework Directive.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

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

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

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

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

“pests” means birds, vermin and insects.

“pollution” includes pollution of the environment, harm to human health and serious detriment to the amenities of the locality, resulting from the permitted activities.

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

“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“recovery” means any of the operations provided for in Annex II to the Waste Framework Directive.

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

- no liquid will run off the surface otherwise than via the system
- except where they may lawfully be discharged to foul sewer, all liquids entering the system are collected in a sealed sump

“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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“year” means calendar year ending 31 December.

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

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

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

When the following terms appear in the waste code list in Schedule 2, tables S2.2, S2.3, S2.4, S2.5 and S2.6 for those tables, they have the meaning given below:

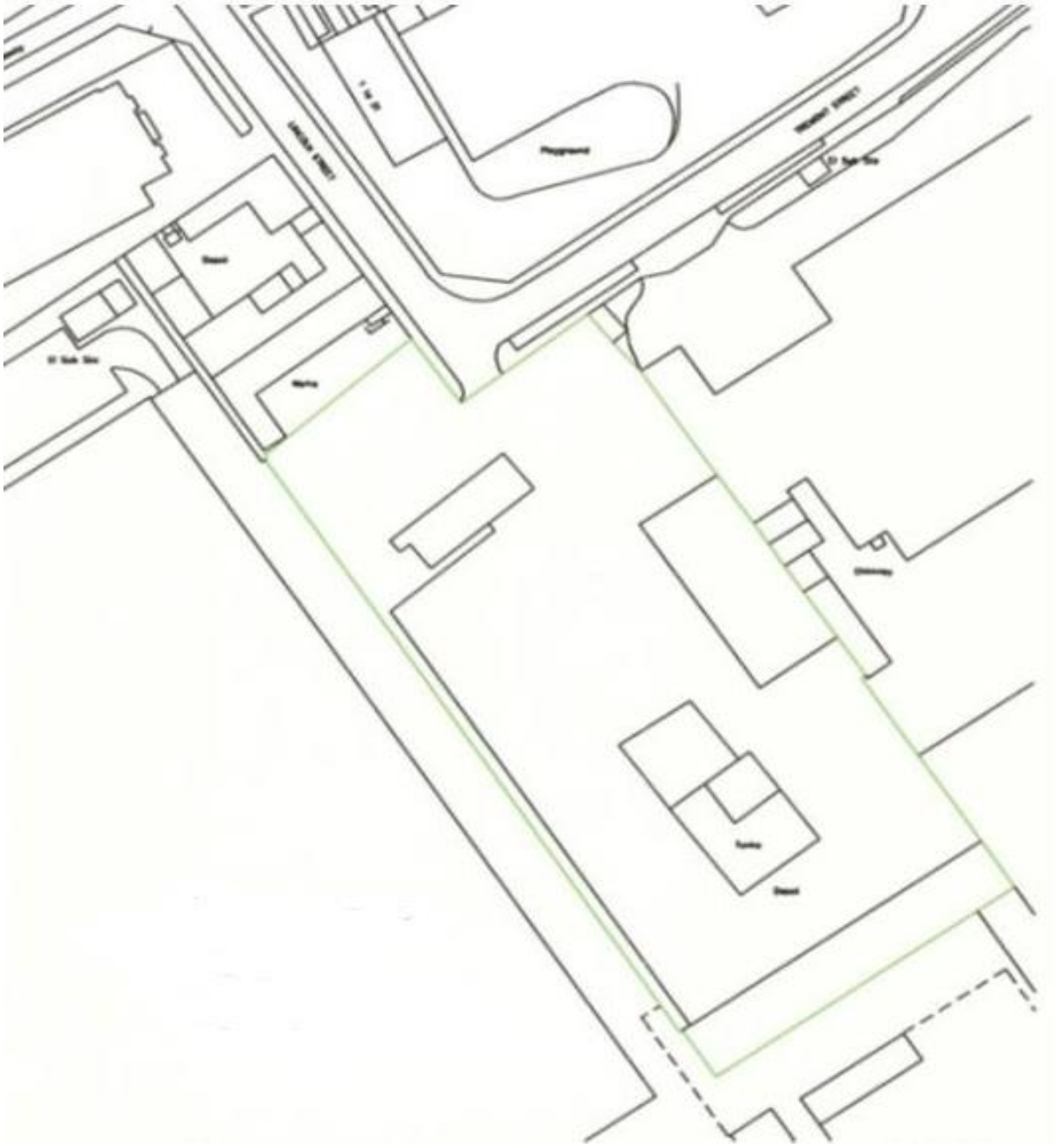
“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“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.

Schedule 7 – Site plan



END OF PERMIT

Permit Number: **AB1234CD** **Operator:** **[Operator name]**

Facility: **[Facility name]** **Form Number:** **Air1 / DD/MM/YY**

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

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

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

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

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

Signed ……. Date……..

(Authorised to sign as representative of Operator)

Permit Number: **AB1234CD** **Operator:** **[Operator name]**

Facility: **[Facility name]** **Form Number:** **Water1 / DD/MM/YY**

Reporting of emissions to water (other than to sewer) and land for the period from DD/MM/YYYY to DD/MM/YYYY

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]

1. The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
2. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
3. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
4. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ……. Date……..

(Authorised to sign as representative of Operator)

Permit Number: **AB1234CD** **Operator:** **[Operator name]**

Facility: **[Facility name]** **Form Number:** **Sewer1 / DD/MM/YY**

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

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]

1. The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
2. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
3. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
4. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ……. Date……..

(Authorised to sign as representative of Operator)

Permit Number: **AB1234CD** **Operator:** **[Operator name]**

Facility: **[Facility name]** **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 ……. Date……..

(authorised to sign as representative of Operator)

Permit Number:	**AB1234CD**	**Operator:**	**[Operator name]**
Facility:	**[Facility name]**	**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: **AB1234CD** **Operator:** **[Operator name]**

Facility: **[Facility name]** **Form Number:** **Performance1 / DD/MM/YY**

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

Parameter	**Units**
Total raw material used	tonnes

Operator's comments:

Signed ……. Date……..

(Authorised to sign as representative of Operator)

Permit Number:	**AB1234CD**	**Operator:**	**[Operator name]**
Facility:	**[Facility name]**	**Form Number:**	**Ambient monitoring1 / DD/MM/YY**

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

Emission Point	Parameter	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
At a location to be agreed in writing with the Environment Agency	Particulate matter less than 10 millionth of a metre in diameter (PM_{10}).	5 minute average				

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

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

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

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

Signed ……. Date……..

(Authorised to sign as representative of Operator)