

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

AO Recycling Limited

AO Recycling Telford
Units A and B
Halesfield 15
Telford
Shropshire
TF7 4ER

Variation application number

EPR/ZP3534RD/V006

Permit number

EPR/ZP3534RD

AO Recycling Telford

Permit number EPR/ZP3534RD

Introductory note

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

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

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

This permit variation has been issued to implement guidance "Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities" (including additional guidance Waste temperature exchange equipment (WTEE): appropriate measures for permitted facilities).

Changes introduced by this variation notice/statutory review

The Industrial Emissions Directive (IED) came into force on 7 January 2014 with the requirement to implement all relevant Best Available Techniques (BAT) Conclusions as described in the Commission Implementing Decision. Article 21(3) of the IED requires the Environment Agency to review conditions in permits that it has issued and to ensure that the permit delivers compliance with relevant standards, within four years of the publication of updated decisions on Best Available Techniques (BAT) Conclusions. The BAT Conclusions for Waste Treatment (the BREF) was published on 17 August 2018 following a European Union wide review of BAT, implementing decision (EU) 2018/1147 of 10 August 2018.

The appropriate measures for WEEE were published on gov.uk on 13 July 2022. The guidance explains the standards that are relevant to regulated facilities with an environmental permit to treat or transfer relevant wastes, providing indicative BAT for those sites.

This permit variation has been issued to update some of the conditions following a statutory review of the permits in the WEEE treatment and transfer sector and to implement the appropriate measures guidance. The opportunity has also been taken to consolidate the original permit and subsequent variations where appropriate.

Changes as a result of Operator Application to vary the permit

The operator has submitted variation, EPR/ZP3534RD/V006, to add the following hazardous waste treatment activity to the permit to allow the gas bulking of refrigerant gases and blowing agent:

5.3 A(1)(a)(iv) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging prior to submission to any of the other activities listed in Section 5.1 or Section 5.3.

Brief description of the process

The main features of the permit are as follows:

AO Recycling Limited will operate a treatment and storage facility for waste refrigerators and waste electronic and electrical equipment (WEEE). The installation is located in Halesfield, Telford at National Grid Reference SJ 71110 04500. The site is accessed via Halesfield 15, a road off Halesfield Industrial Estate.

The Part A1 activities classified under the Environmental Permitting Regulations taking place at the site are as follows:

- Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving:
 - physico chemical treatment under Section 5.3 Part A(1)(a)(ii); and

- repackaging prior to submission of any of the other activities listed in Section 5.1 or Section 5.3 under Section 5.3 Part A(1)(a)(iv).
- Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving treatment in shredders of metal waste, including waste electrical and electronic equipment and end-of-life vehicles under Section 5.4 Part A(1)(b)(iv); and
- Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Sections 5.1, 5.2, 5.3 and paragraph (b) of Section 5.6 under Section 5.6 Part A(1)(a).

In addition to the installation activities, AO Recycling Limited are also permitted to undertake the following waste operation:

- Waste electrical and electronic equipment authorised treatment facility.

The maximum annual throughput of waste is 200,000 tonnes which will primarily consist of fridges and general electronic equipment from domestic sources. Some industrial and commercial waste will also be accepted.

The maximum storage capacity for the site is 1,500 tonnes for hazardous waste and 2,000 tonnes for non-hazardous waste.

All receipt, handling, storage, treatment and refurbishment of WEEE will take place on an impermeable surface with sealed drainage. All fuel and oil will be stored in bunded areas.

Waste is delivered to the site via road. WEEE will be manually dismantled to remove hazardous components prior to processing (e.g. compressors, mercury switches and fluorescent tubes) and all of these components will be separated out and stored prior to offsite recovery. Some WEEE which is in a condition whereby it can be reused will be fixed, tested and then sold from a retail outlet on site.

The shredder used to treat WEEE can be operated on two settings, one of which will be used to treat only fridges and the other which can treat other types of WEEE excluding fridges.

For fridge treatment batches, fridges will be degassed and then the fridge carcasses will be shredded before being sent offsite for recovery. The shredding system is enclosed and made inert through the input of nitrogen. Volatile organic compounds (VOCs) released by the shredding plant will be captured in a cryogenic condensing plant and all remaining air will be vented to air via a two-phase molecular sieve abatement system. The filters systems and the VOC recovery plants will run continuously during the operation of the recycling plant. The shredded material is fed up a screw conveyor and the foam is sieved out and then dried before loading into bags. Any remaining metal is also removed from the waste stream by an eddy current separator. Emissions to air from the shredder will be to atmosphere through an 8 m high stack.

Under a different setting, the shredder can also be used to shred WEEE other than fridges (for example washing machines, tumble driers, ovens, microwaves). For this setting the degassing phase is bypassed and the shredding cycle is shorter.

Ammonia fridges are degassed separately. The degassing system removes ammonia coolant from refrigeration plant by piercing the cooling circuit and purging it with compressed air. Liquid ammonia is separated from the gaseous phase and collected in containers for disposal off-site. The gaseous phase is passed through a water tank to strip residual ammonia before being released to atmosphere via a 5.5 m high vent stack. Emissions of the cleaned air occur 6 times an hour during operation for periods of approximately 30 seconds. Aqueous ammonia hydroxide from the water tank is collected in IBCs and transported off site for treatment.

There are four emission points to air. Emission limit values have been set for three of the emission points. There are two emissions points to water. Drainage throughout the processing area and storage area will be through an interceptor straight to foul sewer under a discharge agreement with the water company. The external surface water run-off drainage will be via an interceptor to the surface water drain.

There are no European designated conservation sites within 10km of the installation nor are there Sites of Special Scientific Interest (SSSI) within 2km There are 3 Local Nature Reserves (LNR) and 3 Local Wildlife Sites (LWS) within 2km of the site

The site has an in-house Environmental Management System (EMS) which has been audited and certified to ISO 14001 standards.

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
Application received EPR/ZP3534RD/A001	Duly made 23/03/16	Application for a bespoke permit for a waste treatment facility.
Response to Schedule 5 notice dated 06/05/16	23/05/16	Additional information on emissions to air and waste acceptance, storage and processing.
Additional information received application EPR/ZP3534RD/A001	22/06/16	Additional information received on shredder emissions control and abatement.
Additional information received application EPR/ZP3534RD/A001	22/06/16	Updated fire prevention plan titled 'TRG-FPP-V2-Draft'.
Permit determined EPR/ZP3534RD/A001 (PAS Billing ref. ZP3534RD)	12/08/16	Permit issued to The Recycling Group Limited.
Notified of change of company name and site name	14/06/17	Company name changed to AO Recycling Limited and site name changed to AO Recycling Telford.
Variation issued EPR/ZP3534RD/V002	26/06/17	Varied permit issued to AO Recycling Limited.
Environment Agency initiated administrative variation issued EPR/ZP3534RD/V003	01/09/17	Environment Agency initiated administrative variation issued to AO Recycling Limited.
Application received EPR/ZP3534RD/A001	Duly made 01/11/2019	Normal Variation.
Permit Determined EPR/ZP3534RD/V004 (PAS Billing Ref. MP3331QD)	22/01/2020	Varied permit issued to AO Recycling Limited.
Regulation 61 Notice sent to Operator	20/04/2022	Regulation 61 Notice requiring information for statutory review of permit.
Regulation 61 Notice response	26/08/2022	Response received from the operator.
Application (variation and consolidation) EPR/ZP3534RD/V005 EPR/ZP3534RD/V006	Duly made 24/05/2024	Statutory review of permit occasioned by Waste Treatment BAT Conclusions published on 17 August 2018 and Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities published 13 July 2022 (including additional guidance Waste temperature exchange equipment (WTEE): appropriate measures for permitted facilities published 13 July 2022). Permit variation to include addition of hazardous waste treatment activity S5.3 A(1)(a)(iv).

Status log of the permit		
Description	Date	Comments
Response to Schedule 5 Notice dated 25/06/2024	16/07/2024	Schedule 5 Response including updated Fire Prevention Plan.
Additional information received	25/07/2024	Additional information on contingency measures and ISO tanker.
Additional information received	08/08/2024	Site plan.
Environment Agency Waste Treatment Sector Review Permit reviewed Variation determined EPR/ZP3534RD/V006	31/10/2024	Varied and consolidated permit issued.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

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

Permit number

EPR/ZP3534RD

Issued to

AO Recycling Limited (“the operator”)

whose registered office is

AO Park

5a The Parklands

Lostock

Bolton

BL6 4SD

company registration number 05486613

to operate regulated facilities at

AO Recycling Telford

Units A and B

Halesfield 15

Telford

Shropshire

TF7 4ER

to the extent set out in the schedules.

The notice shall take effect from 31/10/2024

Name	Date
Daniel Timney	31/10/2024

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation and the variation application received from the Operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/ZP3534RD

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/ZP3534RD/V006 authorising,

AO Recycling Limited (“the operator”),

whose registered office is

AO Park

5a The Parklands

Lostock

Bolton

BL6 4SD

company registration number 05486613

to operate an installation and waste operation at

AO Recycling Telford

Units A and B

Halesfield 15

Telford

Shropshire

TF7 4ER

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

Name	Date
Daniel Timney	31/10/2024

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 AR9), 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 AR9), the operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
 - (b) maintain records of raw materials and water used in the activities;
 - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
 - (d) take any further appropriate measures identified by a review.

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

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

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

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, tables S1.2 to S1.4, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 to S1.4, or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 All activities shall take place on impermeable surfaces with sealed drainage, unless otherwise specified in Table S1.1 or agreed in writing with the Environment Agency.
- 2.3.4 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.5 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2, tables S2.2 to S2.4; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.6 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous properties associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.7 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.
- 2.3.8 For the activity referenced as AR1 in schedule 1, table S1.1 where any of the following situations arise, the operator shall, as soon as is practicable, cease the treatment of waste until normal operation can be restored:

- (a) failure of the contained environment; or
- (b) breach of a relevant Lower Explosive Limit (LEL) or Limiting Oxygen Concentration (LOC).

2.3.9 Following the cessation of treatment under condition 2.3.8 the operator shall not recommence treatment unless:

- (a) the failed equipment is repaired and brought back into normal operation; and
- (b) gas concentrations remain below any relevant lower explosive limit or limiting oxygen concentration.

2.4 Hazardous waste storage and treatment

2.4.1 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1, table S1.1 and appropriate measures are taken.

2.5 WEEE treatment

2.5.1 As a minimum, the substances, preparations and components specified in table S1.3 shall be removed from any WEEE unless the WEEE is being prepared for re-use or the operator has taken appropriate measures to ensure their removal following transfer off site.

2.5.2 Unless otherwise agreed in writing by the Environment Agency, WEEE and components of WEEE shall be treated in accordance with the methods and standards specified in table S1.4, unless it is being prepared for re-use or the operator has taken appropriate measures to ensure such treatment following transfer off site.

2.6 Improvement programme

2.6.1 The operator shall complete the improvements specified in schedule 1, table S1.5 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.6.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3, tables S3.1, S3.2 and S3.3.

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.

3.4 Noise and vibration

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

3.4.2 The operator shall:

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

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:

- (a) point source emissions specified in tables S3.1, S3.2 and S3.3; and
- (b) process monitoring specified in table S3.4.

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

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

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3, tables S3.1, S3.2 and S3.3 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, hazard or annoyance from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.7 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 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 one 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	S5.3 A(1) (a) (ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.	<p>Treatment of waste temperature exchange equipment, involving stage 1 degassing and stage 2 destruction processes.</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>R5: Recycling/reclamation of other inorganic materials</p>	<p>From treatment of waste by degassing and destruction to storage of treated waste.</p> <p>Treatment of waste temperature exchange equipment involving:</p> <ul style="list-style-type: none"> • degassing of VOC based equipment, with collection of oil and VOC refrigerant gas. • degassing of ammonia based equipment, with collection of any oil and scrubbing of ammonia gas. • Mechanical destruction of degassed equipment, including the sorting, separation of plastic, metal and foam fractions, and treatment of foam to remove and capture the blowing agent using cryogenic condensation. <p>Treatment of WEEE shall be carried out within a building provided with weatherproof covering.</p> <p>Storage of processed wastes and materials including separated ferrous, non-ferrous metals, foam, oil refrigerants, plastics, and other fractions following treatment. All treated wastes to be stored for no longer than the timescales set out in the Fire Prevention Plan.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p> <p>No more than 120 tonnes of waste shall be treated per day.</p>
AR2	S5.3 A(1) (a) (ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.	<p>Shredding of hazardous WEEE.</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>R5: Recycling/reclamation of other inorganic materials</p>	<p>From mechanical treatment of waste to storage of treated waste.</p> <p>Treatment limited to sorting, shredding and separating for the purpose of recovery of constituent parts and materials.</p> <p>Liquids must be removed prior to mechanical treatment.</p>

			<p>External batteries (including powerpacks) and internal batteries designed to be accessible by the user must be removed prior to mechanical treatment.</p> <p>Treatment of WEEE shall be carried out within a building provided with weatherproof covering.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p> <p>There shall be no treatment of batteries, other than sorting and separating from other wastes, and repackaging for third party processing.</p> <p>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.</p> <p>Nickel metal hydride (Ni-MH) batteries shall be stored in a way that will prevent them being damaged.</p> <p>Li-ion batteries shall be stored to prevent them from:</p> <ul style="list-style-type: none"> • coming into contact with any liquids • being damaged or shorting • being exposed to high temperatures <p>Batteries shall be stored on site for no longer than 6 months.</p> <p>Notwithstanding the limits given above where a shorter storage time period is given in an agreed management plan then that time period shall take precedence.</p> <p>All treated wastes to be stored for no longer than the timescales set out in the Fire Prevention Plan.</p> <p>No more than 120 tonnes of waste shall be treated per day.</p>
AR3	<p>S5.4 A(1) (b) (iv)</p> <p>Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75</p>	<p>Shredding of non-hazardous WEEE.</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>From treatment of waste by shredding to storage of treated waste.</p> <p>Treatment of WEEE shall be carried out within a building provided with weatherproof covering.</p> <p>External batteries (including powerpacks) and internal batteries</p>

	tonnes per day involving treatment in shredders of metal waste, including waste electrical and electronic equipment and end-of-life vehicles and their components.	R5: Recycling/reclamation of other inorganic materials	<p>designed to be accessible by the user must be removed prior to mechanical treatment.</p> <p>Waste types suitable for acceptance are limited to those non-hazardous waste types specified in Table S2.3.</p>
AR4	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	<p>Storage of hazardous waste pending on-site treatment or off-site transfer</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p>	<p>From receipt and storage of hazardous waste on site to its transfer off-site.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p> <p>WTEE shall not be stored for more than 3 months without prior written approval from the Environment Agency.</p> <p>WTEE must be stored on level ground and on an impermeable surface provided with sealed drainage.</p> <p>Storage of WTEE shall not exceed a maximum storage height of 3.6 metres.</p> <p>Storage capacity of WTEE shall not exceed 1,500 tonnes at any one time.</p> <p>Small mixed WEEE shall be stored under weatherproof covering.</p> <p>CRT equipment shall be stored in cages, bulk bags or securely on pallets to prevent breakage.</p> <p>All flat panel display equipment shall be stored in cages, stillages or securely on pallets.</p> <p>Flat panel display equipment which may contain cold cathode fluorescent backlights shall be stored under weatherproof covering.</p> <p>The storage capacity for CRT equipment and flat panel display equipment shall not exceed 20 tonnes at any one time.</p> <p>All batteries shall be stored in either appropriate weatherproof containers, or in appropriate containers within a</p>

			<p>building on an impermeable surface with a sealed drainage system.</p> <p>All other hazardous waste storage pending treatment shall not exceed 6 months, without prior written approval from the Environment Agency.</p> <p>Notwithstanding the limits given above where a shorter storage time period is given in an agreed management plan then that time period shall take precedence.</p> <p>Storage of hazardous waste pending treatment or transfer shall not exceed 1,500 tonnes at any one time.</p>
AR5	S5.3 A(1)(a)(iv) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging prior to submission to any of the other activities listed in Section 5.1 or Section 5.3.	<p>Bulking/repackaging of gasses produced from AR1.</p> <p>D14: Repackaging prior to submission to any of the operations numbered D1 to D13</p>	<p>Repackaging is limited to:</p> <ul style="list-style-type: none"> Bulking up of the gasses produced by activity AR1 from 1,000kg tanks into 18,054L tank. <p>There should be no more than two ISO tanks on site at any one time including the one that is being filled.</p> <p>Waste types are limited to the gasses produced from activity AR1.</p> <p>Repackaging of waste shall not change either the maximum storage times for waste on site or the amount that can be stored at any one time.</p>
Directly Associated Activities			
AR6	Physical treatment for the purpose of recycling	<p>Manual and mechanical sorting, segregation and grading of non-hazardous fractions resulting from the shredding of wastes containing ferrous and non-ferrous metals.</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>R5: Recycling/reclamation of other inorganic materials</p>	<p>From treatment consisting of sorting, separation and grading to storage of treated waste.</p> <p>Treated waste shall be stored on an impermeable surface with a sealed drainage system prior to transfer off-site for no longer than 6 months notwithstanding the limits given above where a shorter storage time period is given in an agreed management plan then that time period shall take precedence.</p>
AR7	Storage of non-hazardous waste pending treatment	<p>Storage of non-hazardous waste pending AR2.</p> <p>R13: Storage of waste pending the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p>	<p>From receipt of waste to storage of waste prior to treatment by AR2.</p> <p>Storage for no more than 6 months prior to treatment or transfer.</p> <p>Notwithstanding the limits given above where a shorter storage time period is given in an agreed</p>

			management plan then that time period shall take precedence. Waste types suitable for acceptance are limited to those specified in Table S2.3.
AR8	Raw materials storage	Storage of raw materials including nitrogen, lubricants, oil and diesel.	From the receipt of raw materials to despatch for use within the facility.
AR9	Baling of material	Baling of metals to assist transport offsite.	Baling of metals.
Waste Operations			
Activity reference	Description of activities for waste operations		Limits of activities
AR10	<p>Waste electrical and electronic equipment authorised treatment facility.</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R3: Recycling/ reclamation of organic substances which are not used as solvents</p> <p>R4: Recycling/ reclamation of metals and metal compounds</p> <p>R5: Recycling/ reclamation of other inorganic compounds</p>		<p>Treatment operations shall be limited to:</p> <ul style="list-style-type: none"> • Treatment consisting of manual dismantling. • Repair and refurbishment. <p>WEEE that is POPs waste must not be repaired or refurbished for re-use.</p> <p>There shall be no treatment of hazardous waste other than for sorting and separation from other waste streams, repair or refurbishment, or manual dismantling only.</p> <p>Treatment of WEEE shall be carried out within a building provided with a weatherproof covering.</p> <p>There shall be no treatment of batteries, other than sorting and separating from other wastes, and repackaging for third party processing.</p> <p>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.</p> <p>Nickel metal hydride (Ni-MH) batteries shall be stored in a way that will prevent them being damaged.</p> <p>Li-ion batteries shall be stored to prevent them from:</p> <ul style="list-style-type: none"> • coming into contact with any liquids • being damaged or shorting • being exposed to high temperatures <p>Batteries shall be stored on site for no longer than 6 months.</p>

		<p>Subject to any other requirements of this permit, wastes shall be stored for no longer than 6 months.</p> <p>Notwithstanding the limits given above where a shorter storage time period is given in an agreed management plan then that time period shall take precedence.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.4.</p>
--	--	--

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/ZP3534RD/A001	Parts B2 and B3 of the application and all referenced supporting documentation.	20/11/15
Additional information application EPR/ZP3534RD/A001	<ul style="list-style-type: none"> • Yard drainage layout • Transfer and acceptance of hazardous waste (dated 26/03/2016) • Hercofilter specification • Storage plan • Process flow 	22/01/16
Additional information application EPR/ZP3534RD/A001	<ul style="list-style-type: none"> • Air emissions inventory • Air release points • Process description (dated 25/01/16) • Emissions on refrigerator recycling plant 	17/03/16
Response to Schedule 5 notice dated 06/05/16 application EPR/ZP3534RD/A001	<ul style="list-style-type: none"> • Air emissions layout plan • Emissions on refrigerator recycling plant key • 02-Destruction and Disposal of Hazardous wastes issue 1 • 29-Reuse of Waste Electronic and Electrical Equipment issue 1 	23/05/16
Additional information application EPR/ZP3534RD/A001	Additional information on shredder emissions control and abatement	22/06/16
Application EPR/ZP3534RD/V004	<p>Application Forms and the following supporting information:</p> <ul style="list-style-type: none"> • Operating Techniques • Non-technical Summary • Environmental Risk Assessment <p>These documents were subsequently resubmitted 01/11/19.</p>	26/04/19
Additional information EPR/ZP3534RD/V004	<ul style="list-style-type: none"> • Environmental Risk Assessment • Best Available Techniques & Operating Techniques 	01/11/19

Table S1.2 Operating techniques		
Description	Parts	Date Received
	<ul style="list-style-type: none"> • Integrated Management System Manual • Site Plan 	
Odour Management Plan	Approved Odour Management Plan issue 1 Ref: 416.09242.00008, dated 11/2019	01/11/2019
Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities Version published 13 July 2022	<p>All parts of the appropriate measures guidance shall apply other than:</p> <ul style="list-style-type: none"> • those parts to which an improvement programme requirement applies in Table S1.5 and until the agreed completion date for that improvement; • those parts listed below which are not applicable. <p>The following parts of the appropriate measures guidance are not applicable:</p> <ul style="list-style-type: none"> • Emissions monitoring and limits appropriate measures – measure 7.2(3) 	26/08/2022
Waste temperature exchange equipment: appropriate measures for permitted facilities Version published 13 July 2022	<p>All parts of the appropriate measures guidance shall apply other than:</p> <ul style="list-style-type: none"> • those parts to which an improvement programme requirement applies in Table S1.5 and until the agreed completion date for that improvement. 	26/08/2022
Chemical waste: appropriate measures for permitted facilities Version published 18 November 2020	<p>The following parts of the appropriate measures guidance shall apply:</p> <ul style="list-style-type: none"> • Waste storage, segregation and handling appropriate measures – measures 41, 42, 44, 48, 50-56, 58, 60-63, 69, 78-79, 81, 84, 86. 	22/03/2024
Application EPR/ZP3534RD/V006	Application forms C2 and C3 and supporting documentation.	22/03/2024
Response to Schedule 5 Notice	Additional information on contingency measures and repackaging process.	16/07/2024
Fire Prevention Plan	Approved Fire Prevention Plan version 7.2, dated 07/2024	16/07/2024

Table S1.3 Substances, preparations and components to be removed during treatment from WEEE
<ul style="list-style-type: none"> • Capacitors containing polychlorinated biphenyls in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT) • Mercury-containing components, such as switches or backlighting lamps • Batteries

Table S1.3 Substances, preparations and components to be removed during treatment from WEEE

- Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres
- Toner cartridges, liquid and paste, as well as colour toner
- Plastic containing brominated flame retardants
- Asbestos waste and components which contain asbestos
- Cathode ray tubes
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC), or hydrocarbons (HC)
- Gas discharge lamps
- Liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimetres and all those back-lighted with gas discharge lamps
- External electric cables
- Components containing refractory ceramic fibres as described in REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- Components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and the Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionising radiation
- Electrolyte capacitors containing “substances of concern” (height > 25mm, diameter > 25mm or proportionately similar volume)

Table S1.4 Specified treatment methods and standards for the treatment of WEEE and components of WEEE

<p>Stage 1) Pre-destruction treatment (degassing) of WTEE</p>	<p>Refrigerants and oils must be properly extracted and treated. Ozone depleting gases must be treated in accordance with Regulation (EC) No 1005/2009.</p> <p>Degassing of the refrigeration cooling system must be undertaken in a manner that results in the removal of at least 99% of the refrigerant and the oil from the cooling circuit.</p> <p>The degassing of WTEE must be undertaken in a way that prevents fugitive losses of refrigerant and achieves the following refrigerant recovery rate:</p> <ul style="list-style-type: none"> • 90% or more, based upon a mass balance calculation, as set out in Waste temperature exchange equipment: appropriate measures for permitted facilities <p>The oil removed from the cooling circuit must be treated to ensure that the concentration of refrigerant in the oil is <0.9% w/w unless it is transferred immediately to a suitable sealed container to prevent fugitive emissions and sent for further refrigerant recovery or destruction.</p>
<p>Stage 2) WTEE and insulation panel destruction</p>	<p>VFC and VHC blowing agents must be properly extracted and treated. Ozone depleting gases must be treated in accordance with Regulation (EC) No 1005/2009.</p> <p>WTEE must not be subject to the destruction process unless treated to the appropriate Stage 1 pre-destruction standards specified above.</p> <p>The destruction of WTEE and insulation panels must be undertaken in a contained environment that prevents fugitive losses of blowing agent and achieves the following blowing agent removal and recovery rates:</p>

Table S1.4 Specified treatment methods and standards for the treatment of WEEE and components of WEEE	
	<ul style="list-style-type: none"> • 90% or more, based upon an annual assessment of a representative sample of the WTEE treated ^{Note 1} • 80% or more, based upon a monthly assessment of the WTEE treated that period ^{Note 1} <p>Residual materials resulting from the destruction of WTEE and insulation panels must meet the specified standards below:</p> <ul style="list-style-type: none"> • Metal – The quantity of foam remaining in the granulated ferrous and non-ferrous metal fractions after treatment shall not exceed 0.5% w/w • Plastic – The quantity of foam remaining in the granulated plastic fraction after treatment shall not exceed 1% w/w • Foam – The quantity of residual blowing agent remaining in the polyurethane foam after treatment shall not exceed 0.2% w/w <p>^{Note 1} As set out in Waste temperature exchange equipment: appropriate measures for permitted facilities</p>
Treatment of small mixed WEEE	<p>The mechanical treatment of small mixed WEEE must be provided with effective dust extraction and abatement to minimise release of dust.</p> <p>The finest non-metallic fraction must not exceed the following limits:</p> <ul style="list-style-type: none"> • 1 mg/kg mercury • 100 mg/kg cadmium

Table S1.5 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The Operator shall submit a written proposal to the Environment Agency to carry out tests to determine the size distribution of the particulate matter in the exhaust gas emissions to air from emission point A2 and A3, identifying the fractions within the PM₁₀, and PM_{2.5} ranges. The proposal shall include a timetable for approval by the Environment Agency to carry out such tests and produce a report on the results.</p> <p>On receipt of written agreement by the Environment Agency to the proposal and the timetable, the Operator shall carry out the tests and submit to the Environment Agency a report on the results.</p>	Complete
IC2	<p>The operator shall carry out an assessment of the monitoring of the concentrations of NH₃ and NH₄⁺ species in exhaust gas emissions to air from emission point A4 that have been collected over a 6 month period in accordance with permit condition 3.5.</p> <p>Using the data collected the operator shall submit for approval by the Environment Agency a written report on the results;</p> <p>The report shall include:</p> <ol style="list-style-type: none"> an assessment of the impact of the emission to air using the Environment Agency's 'H1 Environmental Risk Assessment' tool (or equivalent as agreed with the Environment Agency); and proposals for appropriate measures to mitigate the impact of the emission where the assessment determines they are significant, including emissions limits and monitoring and dates for implementation of individual measures; and 	Complete

Table S1.5 Improvement programme requirements		
	<p>iii) details of appropriate measures for the operation and maintenance of the abatement system to ensure that where emission limits are proposed they are met or, where emission limits are not required, emissions remain insignificant.</p>	
IC3 Updated emissions inventory and H1 (air and water)	<p>The operator shall submit a written report to the Environment Agency for approval that proposes a monitoring programme to characterise and assess the facility's point source emissions to air and water (including sewer) in accordance with the Emissions monitoring and limits appropriate measures of technical guidance Waste electrical and electronic equipment: appropriate measures for permitted facilities, dated 13 July 2022.</p> <p>The report shall detail the parameters and substances that will be tested for, the monitoring methods and equipment that will be used, and a timetable for undertaking the monitoring. Monitoring of emissions to air from emissions point A1 shall include speciated VOCs. The monitoring programme shall be carried out as approved by the Environment Agency.</p> <p>A written report shall be submitted to the Environment Agency for approval detailing the results and conclusions of the emissions monitoring and assessment undertaken, including a completed H1 Environmental Risk Assessment and proposals for any ongoing monitoring or further assessment.</p>	<p>Submission of written report proposing monitoring programme Issue date + 2 months.</p> <p>Submission of subsequent written report detailing monitoring and assessment results Issue date + 6 months.</p>
IC4	<p>The operator shall submit a written monitoring plan to the Environment Agency for approval.</p> <p>The plan must contain proposals for a monitoring exercise to demonstrate that the stage 1 treatment of WTEE in ammonia plant (Activity Ref. AR1) does not give rise to fugitive releases to air of refrigerant (ammonia).</p> <p>The operator shall carry out the monitoring exercise and submit a report in accordance with the Environment Agency's written approval.</p> <p>The operator will give the Environment Agency at least fourteen days notice of the commencement of the monitoring exercise.</p> <p>The Environment Agency will be notified immediately if any fugitive releases are detected during the monitoring exercise.</p>	<p>Submission of written report proposing monitoring programme Issue date + 2 months.</p> <p>Submission of subsequent written report detailing monitoring and assessment results Issue date + 6 months.</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 WTEE and WEEE treatment facility (AR1 and AR2) and waste storage (AR4)	
Maximum Quantities	The total quantity of hazardous waste accepted at the site shall be less than 50,000 tonnes a year. Maximum storage of 1,500 tonnes at any one time.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Consisting solely or mainly of dusts, powders or loose fibres
Waste Code	Description
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 02	wastes from electrical and electronic equipment
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
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 23*	discarded equipment containing chlorofluorocarbons
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components

Table S2.3 Permitted waste types and quantities for shredding of non-hazardous WEEE (AR3)	
Maximum Quantities	The total quantity of non-hazardous waste accepted at the site shall be less than 100,000 tonnes a year. Maximum storage of 2,000 tonnes at any one time.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Consisting solely or mainly of dusts, powders or loose fibres
Waste Code	Description
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 02	wastes from electrical and electronic equipment
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13

20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

Table S2.4 Permitted waste types and quantities for WEEE authorised treatment facility (AR10)	
Maximum quantity	The total quantity of hazardous and non-hazardous waste accepted at the site shall be less than 200,000 tonnes a year.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Consisting solely or mainly of dusts, powders or loose fibres
Waste code	Description
15	Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise
15 01	packaging (including separately collected municipal packaging waste)
15 01 06	mixed packaging
16	Wastes not otherwise specified in the list
16 02	wastes from electrical and electronic equipment
16 02 10*	discarded equipment containing PCBs other than those mentioned in 16 02 09
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
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 23*	discarded equipment containing chlorofluorocarbons
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

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
A1 Emissions point 1 on site plan in Schedule 7	Air extraction and abatement system of shredding plant	CFCs	10 mg/m ³	Average value of 3 consecutive measurements of at least 30 minutes each.	6 monthly	Following CEN/TS 13649
		Dust	5 mg/m ³	Average value of 3 consecutive measurements of at least 30 minutes each.	6 monthly	EN 13284-1
		Total VOCs (concentration)	15 mg/m ³	Average value of 3 consecutive measurements of at least 30 minutes each.	6 monthly	EN 12619
		Total VOCs (mass emission)	Mass loss limit, set on a pro-rata basis, based upon a mass limit of 5g per 100 units treated per hour.	Average value of 3 consecutive measurements of at least 30 minutes each.	6 monthly	EN 12619
		Air flow	-	Average value of 3 consecutive measurements of at least 30 minutes each.	6 monthly	EN 16911-1
		Brominated flame retardants	-	Average value of 3 consecutive measurements of at least 30 minutes each.	Annually ^{Note 1}	BS EN 1948
		Dioxin-like polychlorinated biphenyls (PCBs)	-	One sampling period of at least 6 hours.	Annually ^{Note 1}	EN 1948-1, 2, 4.
		Metals (As, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V)	-	Average value of 3 consecutive measurements	Annually ^{Note 1}	EN 14385

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
				of at least 30 minutes each.		
		Dioxins and furans (PCDD/F)	-	One sampling period of at least 6 hours.	Annually ^{Note 1}	EN 1948-1, 2, 3
A2 Emissions point 2 on site plan in Schedule 7	Exhaust filter of the dedusting plant	Dust	5 mg/m3	Average value of 3 consecutive measurements of at least 30 minutes each.	6 monthly	EN 13284-1
A3 Emissions point 3 on site plan in Schedule 7	Exhaust filter of the heavy parts separation	Dust	5 mg/m3	Average value of 3 consecutive measurements of at least 30 minutes each.	6 monthly	EN 13284-1
A4 Emissions point 6 on site plan in Schedule 7	Vent stack of the degassing unit	Ammonia	-	-	6 Monthly	BS EN 14791

Note 1: An alternative monitoring frequency may be agreed in writing with Environment Agency following completion of IC3.

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period (Note 1)	Monitoring frequency (Note 2)	Monitoring standard or method
W1 on site plan in schedule 7	Uncontaminated site surface water run-off via an interceptor.	Oil and grease	None visible	-	Daily	Visual assessment - no visible oil or grease.

Table S3.3 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 (Note 1)	Monitoring frequency (Note 2)	Monitoring standard or method
S1 on site plan in schedule 7, emission to Severn Trent Water Sewage Treatment Works.	Uncontaminated site source water from process and storage areas via an interceptor.	Oil and grease	None visible	-	Daily	Visual assessment - no visible oil or grease.

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
WTEE Stage 1 degassing WTEE degassed	WTEE unit type Refrigerant type Number of defective	Daily	Record of each unit degassed	Type 1 - 4 VHC, VFC or other (e.g. ammonia) -
WTEE Stage 1 degassing Quantity of refrigerant recovered	Quantity of refrigerant collected over reporting period	Monthly	Weighed using calibrated scales of appropriate precision	-
WTEE Stage 1 degassing Compressor oil	Concentration of refrigerant in the oil (% w/w)	Quarterly	Independent conformance testing in accordance with Section 6 (process monitoring) of Waste temperature exchange equipment: appropriate measures for permitted facilities	Assessment must be undertaken using a representative composite sample, consisting of at least 3 individual samples. Sample analysis must be carried out by an appropriately accredited independent laboratory (for example, UKAS accredited) and using recognised accredited methods if they are available.
WTEE Stage 1 degassing Refrigerant recovery rate	Refrigerant recovery, based upon mass balance calculation	6 monthly	In accordance with Section 6 (process monitoring) of Waste temperature exchange equipment: appropriate measures for permitted facilities	Based upon a representative sample of WTEE treated
WTEE Stage 2 destruction WTEE treated	WTEE unit type Blowing agent type	Daily	Record of number of units treated by type and blowing agent	Type 1 - 4 VHC, VFC or other (e.g. carbon dioxide)
WTEE Stage 2 destruction Contained environment	Lower Explosive Limit (LEL) or Limiting Oxygen Concentration (LOC)	Continuous	-	-
	Quantity of foam remaining	Quarterly	Independent conformance	Assessment must be undertaken using a

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
WTEE Stage 2 destruction Residual materials conformance testing	on the granulated metal after treatment (%w/w)		testing in accordance with Section 6 (process monitoring) of Waste temperature exchange equipment: appropriate measures for permitted facilities	representative composite sample, consisting of at least 3 individual samples. Sample analysis must be carried out by an appropriately accredited independent laboratory (for example, UKAS accredited) and using recognised accredited methods if they are available.
	Quantity of foam remaining on the granulated plastic after treatment (%w/w)	Quarterly		
	Quantity of residual blowing agents remaining in the foam after treatment (%w/w)	Quarterly		
WTEE Stage 2 destruction Quantity of blowing agent recovered	Quantity of blowing agent collected over reporting period	Monthly	Weighed using calibrated scales of appropriate precision	-
WTEE Stage 2 destruction Blowing agent recovery	Blowing agent recovered as a percentage of the theoretical content of the waste treated	Monthly	Calculated in accordance with Section 6 (process monitoring) of Waste temperature exchange equipment: appropriate measures for permitted facilities	Monthly assessment based upon the waste treated during that period
		Annual		Annual assessment based upon a representative sample of waste treated
WTEE Record of residual wastes removed from the site	As set in Form Appendix A: Quantities of residual materials from pre-destruction and destruction treatment	Quarterly	-	-
All mechanical treatment of WEEE	Mass balance	Annual		
Finest non-metallic fraction from the mechanical treatment of SMW or IT,	Mercury	6 monthly		
	Cadmium	6 monthly		

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
telecommunications or business equipment				

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
Emissions to Air Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency.	Every 6 months, or as agreed in writing by the Environment Agency.	1 January
Process monitoring Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency.	Quarterly	1 January

Table S4.2 Annual production/treatment	
Parameter	Units
WEEE treated (excluding WTEE)	tonnes
WTEE treated	tonnes
Ferrous metal recovered	tonnes
Non-ferrous metal recovered	tonnes
Other fractions recovered	tonnes
Non-metallic shredder residue	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Energy usage	Annually	MWh
Total raw material used	Annually	tonne

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 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
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
WTEE process monitoring - Quantities of residual wastes removed from site	Quantities of residual materials from pre-destruction and destruction process form (Appendix A Excel Form) or	--

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
	other form as agreed in writing by the Environment Agency	
WTEE process monitoring - Summary of WTEE and insulation panels treated - Quantities of refrigerant and blowing agent recovered - Assessment of refrigerant and blowing agent recovery rate	Degassing and destruction process efficiency reporting form (Appendix B Excel Form) or other form as agreed in writing by the Environment Agency	--
WTEE process monitoring Conformance testing of residual materials	Residual materials conformance testing reporting form (Appendix C Excel Form) or other form as agreed in writing by the Environment Agency	--
Waste returns	E-waste returns	--

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

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

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

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

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

(c) Notification requirements for the 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.

“baling” means baling that utilises a hydraulic machine that using compressive forces compacts various materials into regular-shaped dense bales (typically a cube). Bales may be belted with straps or steel wire to keep the bale in its compacted state; although for most metal bales this is not necessary. Baled scrap metal may be easier to handle, store and transport than loose scrap.

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

“blowing agent” blowing agent used in the foam formation process and contained in the insulating foam of a WTEE unit, or other relevant electrical appliance, or insulation panel. Blowing agents are used in the foam formation process and include chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), hydrofluorocarbons (HFCs) and hydrocarbons (HCs).

“contained environment” means an environment where there is atmospheric containment. This includes areas where air egress may only be facilitated through air extraction and blowing agent capture systems.

“controlled substances” means chlorofluorocarbons, other fully halogenated chlorofluorocarbons, halons, carbon tetrachloride, 1,1,1-trichloroethane, methyl bromide, hydrobromofluorocarbons and hydrochlorofluorocarbons listed in Annex I of Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer, including their isomers, whether alone or in a mixture, and whether they are virgin, recovered, recycled or reclaimed.

“defective unit” means a WTEE unit that does not have any gas pressure in the cooling circuit.

“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.

“dust” means total particulate matter (in air).

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 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.

“grading” means the sorting of metals to industry-agreed specifications ready for use, without the need for further treatment, by the end consumer to manufacture new metals.

“granulating” means granulated to a very small size with metal/non-metal separation by air classification and flotation.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

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

“independent conformance testing” means independent sampling and testing of residual materials and emission points to confirm whether or not the standards set in the permit for fridge destruction are being fulfilled, carried out by an external laboratory and using accredited methods where they are available.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016

“insulation panel” means rigid polyurethane foam insulation boards, typically removed from the internal and external walls, roofs and ceilings of buildings, cold stores or commercial or domestic cooling equipment, which contain CFC, HCFC, HFC or HC blowing agents.

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

“Lower Explosive Limit” means the lowest concentration (specified as a percentage) of a combustible gas in air capable of burning in the presence of an ignition source.

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

“ozone-depleting substances” “ODS” means “controlled substances” contained in refrigeration, air-conditioning and heat pump equipment (WTEE); equipment containing solvents; fire protection systems and fire extinguishers.

“pests” means Birds, Vermin and Insects.

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

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“refrigerant” means refrigerant gas contained in the compressor and cooling circuit of the WTEE unit. Refrigerants include chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), hydrofluorocarbons (HFCs), hydrocarbons (HCs) and ammonia.

“WTEE unit type” are four identified types of refrigeration unit, as set out in the table below:

Type 1	Refrigerators with storage capacity less than 0.18m ³
Type 2	Refrigerators or combined fridge-freezers with storage capacity between 0.18m ³ & 0.35m ³
Type 3	Freezers with storage capacity less than 0.50m ³ and combined fridge-freezers with capacity greater than 0.35m ³ and no more than 0.5m ³
Type 4	any refrigerators, freezers or fridge-freezers with a capacity greater than 0.5m ³

“residual materials” means both materials and wastes resulting from the specified operations.

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

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

“separation” means separating wastes into different material types, components and grades.

“sorting” means sorting that may be undertaken by hand or machinery. Sorting enables materials to be processed and recycled appropriately. It may involve separation of different waste types or the separation of different metal types including different ferrous metals, non-ferrous metals and non-metallic materials (e.g. paper and plastic). The sorted metals are graded by visual inspection, supplemented by chemical and other laboratory tests. The physical sorting may be assisted by conveyors and electromagnets.

“shredding” includes treatment in plant such as hammer mills, chain mills, rotary shears and other similar equipment that is designed to fragment metal into smaller pieces to allow the separation of the metallic and the non metallic fractions. It does not include shearers and guillotines which utilise a range of hydraulic machinery that comprise hard steel blades to cut metals into manageable sizes.’

“VHC” means volatile hydrocarbon.

“VFC” means volatile (hydro)fluorocarbon, including chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs) and hydrofluorocarbons (HFCs).

“waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“WEEE” means waste electrical and electronic equipment.

“WEEE Directive” means Directive 2012/19/EU of the European Parliament and of the Council of 4th July 2012 on waste electrical and electronic equipment (WEEE).

“WTEE” means waste temperature exchange equipment, as defined in guidance Waste temperature exchange equipment: appropriate measures.

“year” means calendar year ending 31 December.

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

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

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

Where the following terms appear in the waste code list in Tables S2.2 and S2.3 they have the meaning given below.

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

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

“polychlorinated biphenyls and polychlorinated terphenyls” (“PCBs”) means PCBs as defined in Article 2(a) of Council Directive 96/59/EC’.

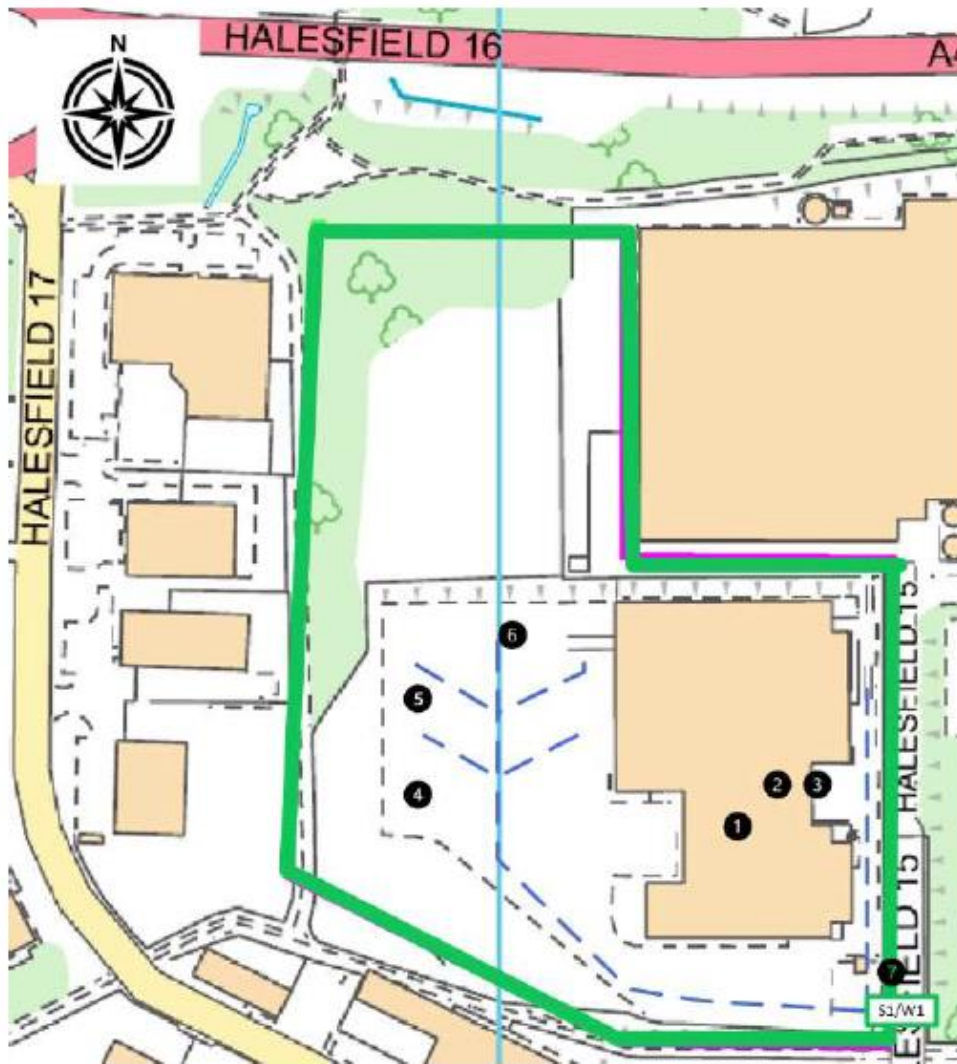
Article 2(a) says that ‘PCBs’ means:










- polychlorinated biphenyls;

- polychlorinated terphenyls;
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane; and
- any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight.

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

Schedule 7 – Site plan



Legend	
	Permit Boundary
	Drain
	Emission Point A1
	Emission Point A2
	Emission Point A3
	Gas Bottle storage / ISO Tanker
	Fire Break Compartments
	Emission Point A4 / Ammonia Plant
	Site Entrance
S1/W1	Surface Water / Foul Water final discharge point

“©Crown Copyright. All rights reserved. Environment Agency, 100024198, 2024.”

END OF PERMIT

Permit Number: ZP3534RD

Operator: AO Recycling Limited

Facility: AO Recycling Telford

Form Number: Version 1, 08/03/2021

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: EPR/ZP3534RD

Facility: AO Recycling Telford

Operator: AO Recycling Limited

Form Number: Version 1, 08/03/2021

Reporting of Water Usage for the year

Water Source	Usage (m³/year)	Specific Usage (m³/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: EPR/ZP3534RD

Operator: AO Recycling Limited

Facility: AO Recycling Telford

Form Number: Version 1, 08/03/2021

Reporting of Energy Usage for the year

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

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)

Permit Number: EPR/ZP3534RD

Operator: AO Recycling Limited

Facility: AO Recycling Telford

Form Number: Version 1, 08/03/2021

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

Parameter	Units

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)