Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Sims Group UK Limited

Newport Refrigerator Plant
Northside, South Dock
Alexandra Dock
Newport
NP20 2WE

Permit number

EPR/KP3195FW

Newport Refrigerator Plant
Northside, South Dock
Permit number EPR/KP3195FW

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

This permit allows for the operator to recover end of life refrigeration equipment and storage and manual treatment of hazardous and non hazardous WEEE. The total permitted annual throughput is 74,999.

Tyres will be accepted on site for storage prior to removal for processing at a suitably authorised facility. Batteries will be accepted on site for storage prior to removal for processing at a suitably authorised facility.

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

Status log of the permit		
Description	**Date**	**Comments**
License issued for EAWML 30264	01/08/2002	The Licence was issued to Sims metal UK Ltd to operate a Fridge Treatment Plant.
Licence Modified (EAWML 30264)	28/08/2003	Licence modified to include additional waste types and increase maximum permitted throughputs.
Licence Modified (EAWML 30264)	14/07/2005	
Licence Modified (EAWML 30264)	17/01/2006	Licence modified to add new conditions and amend existing conditions.
Licence Modified (EAWML 30264)	05/06/2006	
Licence Informative (EAWML 30264)	18/10/2006	Reduction in monitoring frequency
Licence Modified (EAWML 30264)	17/08/2007	
Licence Modified (EAWML 30264)	07/11/2008	Licence modified to ensure conditions comply with WEEE 2006 Directive
Variation Application EPR/KP3195FW/V007 (Variation and Consolidation)	Duly Made 04/12/2014	Variation to include listed activities following the implementation of the Industrial Emissions Directive
Variation EPR/KP3195FW/V007 Determined	06/07/15	Varied and consolidated permit issued in modern condition format.

Status log of the permit		
Description	**Date**	**Comments**
Regulation 6(1)1 Notice sent to the Operator	05/04/2019	Issue of a Notice under Regulation 61(1) of the EPR. Natural Resources Wales initiated review and variation to vary the permit following the publication of the revised Best Available Techniques (BAT) Reference Document (BRef) for Waste Treatment.
Regulation 61(1) Notice response	30/09/2019	Response received from the operator.
Additional information received	23/03/2020	Additional information received from operator detailing further BAT response, Environmental Risk Assessment Management Plan and Drainage response.
NRW initiated Variation determined EPR/KP3195FW/V008	15/01/2021	Varied and consolidated permit issued.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number
EPR/KP3195FW

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/KP3195FW/V008 authorising,

Sims Group UK Limited ("the operator"),

whose registered office is
Long Marston
Stratford Upon Avon
Warwickshire
CV37 8AQ

company registration number **03242331**

to operate an installation and waste activity at

Newport Refrigerator Plant
Northside, South Dock
Alexandra Dock
Newport
NP20 2WE

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

Name	Date
Holly Noble	**15/01/2021**

Authorised on behalf of Natural Resources Wales

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

(a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and

(b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

1.2.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A3.) The operator shall:

(a) take appropriate measures to ensure that energy is used efficiently in the activities;

(b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and

(c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 For the following activities referenced in Schedule 1, Table S1.1 (A1 to A3.) 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 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in Schedule 1, Table S1.2 to S1.3, unless otherwise agreed in writing by Natural Resources Wales.

(b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales for approval within the period specified, a revision of any plan or other documentation ("plan") specified in Schedule 1, Table S1.2 to S1.3 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 Natural Resources Wales.

2.3.2 Waste shall only be accepted if:

(a) it is of a type and quantity listed in Schedule 2 Table S2.1 and S2.2; and

(b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.3 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.

2.3.4 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.

2.3.5 All activities shall take place on impermeable surfaces with sealed drainage, unless otherwise specified in Table S1.1 or agreed in writing with Natural Resources Wales.

2.3.6 For the activity referenced as A1 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).

2.3.7 Following the cessation of treatment under condition 2.3.6 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 Technical requirements

WEEE treatment

2.4.1 Spillage collection facilities and, where appropriate, decanters and cleanser-degreasers shall be provided and used as necessary.

2.4.2 WEEE (disassembled spare parts, components and residues) shall be stored in areas provided with a weatherproof covering where appropriate or in containers providing a weatherproof covering where appropriate.

2.4.3 WEEE shall be treated using best available treatment, recovery and recycling techniques (BATRRT).

2.4.4 As a minimum, the substances, preparations and components specified in Table 2.4.4 shall be removed from any separately collected WEEE.

Table 2.4.4 Substances, preparations and components to be removed from separately collected WEEE

- Capacitors containing polychlorinated biphenyls in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT)
- Mercury-containing components, such as switches or backlighting lamps
- Batteries
- Printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres
- Toner cartridges, liquid and pasty, as well as colour toner
- Plastic containing brominated flame retardants
- Asbestos waste and components which contain asbestos
- Cathode ray tubes
- Chlorofluorocarbons (CFC), hydro chlorofluorocarbons (HCFC), hydro fluorocarbons (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
- Electrolytic capacitors containing “substances of concern” (height > 25mm, diameter > 25 mm or proportionately similar volume)

2.4.5 All fluids contained within any WEEE shall be removed prior to further treatment.

2.4.6 Separately collected components of WEEE specified in Table 2.4.6 shall be treated in accordance with the methods specified in that table.

Table 2.4.6 Specified Treatment Methods for separately collected components of WEEE

Component	Specified Treatment
Cathode ray tubes	The fluorescent coating shall be removed.
Gas discharge lamps	The mercury shall be removed.
Equipment containing gases that are ozone depleting or have a global warming potential (GWP) above 15 such as those contained in foams and refrigeration circuits	The gases must be extracted and treated. Ozone depleting gases must be treated in accordance with Regulation (EC) No 1005/2009.

2.4.7 Equipment shall be provided to record the weight of untreated WEEE accepted at, and components and materials leaving the site.

2.4.8 Any liquids including those in disassembled spare parts, batteries, capacitors containing PCBs/PCTs and any other hazardous waste shall be stored in suitable sealed and labelled containers.

Waste battery and accumulator treatment

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

Hazardous waste storage and treatment

2.4.10 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.

Refrigerator unit pre-destruction and destruction

2.4.11 The dismantling and destruction of refrigerator units shall take place in accordance with Table S1.3.

2.5 Improvement programme

2.5.1 The operator shall complete the improvements specified in Schedule 1 Table S1.4 by the date specified in that table unless otherwise agreed in writing by Natural Resources Wales.

2.5.2 Except in the case of an improvement which consists only of a submission to Natural Resources Wales, the operator shall notify Natural Resources Wales 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 Table S3.1.

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 Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales 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 Natural Resources Wales.

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 Monitoring

3.3.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in Schedule 3 to this permit:

(a) point source emissions specified in Tables S3.1.

(b) process monitoring specified in Tables S3.2

3.3.2 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.

3.3.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.

3.3.4 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 unless otherwise agreed in writing by Natural Resources Wales.

3.4 Odour

3.4.1 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 Natural Resources Wales, 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.

3.4.2 The operator shall:

(a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to odour, submit to Natural Resources Wales 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 Natural Resources Wales.

3.5 Noise and vibration

3.5.1 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 Natural Resources Wales, 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.

3.5.2 The operator shall:

(a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales 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 Natural Resources Wales.

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 Natural Resources Wales, submit to Natural Resources Wales 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 Natural Resources Wales

3.7 Fire

3.7.1 The operator shall manage and operate the activities in accordance with a written fire prevention plan using the current, relevant fire prevention and mitigation plan guidance.

3.7.2 The operator shall:

(a) if notified by Natural Resources Wales that the activities could cause a fire risk, submit to Natural Resources Wales a fire prevention and mitigation plan which identifies and minimises the risks of fire;

(b) Operate the activity in accordance with the fire prevention and mitigation plan, from the date of submission, unless otherwise agreed in writing by Natural Resources Wales.

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 Natural Resources Wales, 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 Natural Resources Wales.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to Natural Resources Wales by 31 January (or other date agreed in writing by Natural Resources Wales) 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 Natural Resources Wales, 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 Natural Resources Wales, 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 Natural Resources Wales using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

4.3.1 For the following activities referenced in Schedule 1, Table S1.1 (A1-A3) 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 Natural Resources Wales,

(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) in the event of a breach of any permit condition the operator must immediately—

(i) inform Natural Resources Wales, and

(ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;

(c) in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit shall be confirmed by sending the information listed in Schedule 5 to this permit within the time period specified in that schedule.

4.3.3 For the following activities referenced in Schedule 1, Table S1.1 (A4) Natural Resources Wales shall be notified without delay following the detection of:

(a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;

(b) the breach of a limit specified in the permit; or

(c) any significant adverse environmental effects.

4.3.4 Any information provided under condition 4.3.3 shall be confirmed by sending the information listed in Schedule 5 to this permit within the time period specified in that schedule.

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

4.3.6 Natural Resources Wales 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.

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

(a) Natural Resources Wales shall be notified at least 14 days before making the change; and

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

4.3.8 Natural Resources Wales shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.9 Where the operator has entered into a climate change agreement with the Government, Natural Resources Wales 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 "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
A1	Section 5.3 A(1)(a) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving (ii) physico-chemical treatment.	**R3**: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) **R4**: Recycling/reclamation of metals and metal compounds **R5**: Recycling/reclamation of other inorganic compounds	Treatment consisting only of sorting, dismantling, separation, shredding, screening, grading, baling, shearing, compaction, crushing, granulation or cutting of waste into different components for recovery. WEEE Treatment of WEEE must be carried out: 1. In areas provided with a weatherproof covering where appropriate; 2. On an impermeable surface with sealed drainage with provision of spillage collection facilities and, where appropriate decanters and cleanser degreasers; Buildings, covered areas or containers must meet the following requirements: 1. Buildings, covered areas, or containers must be designed, constructed and maintained to prevent ingress of rain and surface water; *Table continued on next page*

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
A1 Continued			2. Rain and uncontaminated surface water must be kept separate from contaminated water and other liquids; 3. Containers must be stored on an impermeable surface with sealed drainage. <u>Refrigerators</u> All treatment and pre-treatment of refrigeration equipment shall be undertaken on impermeable pavement within a building. Disassembled spare parts containing liquids shall be stored in appropriate containers. Waste types as specified in Table S2.1
A2	S5.6 A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Sections 5.1, 5.2, 5.3 and paragraph (b) of this Section, except— (i) temporary storage, pending collection, on the site where the waste is generated, or (ii) activities falling within Section 5.2.	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).	Batteries, PCBs/ PCTs containing capacitors and other hazardous waste must be stored in dedicated, labelled appropriate containers Buildings, covered areas or containers must meet the following requirements: 1. Buildings, covered areas, or containers must be designed, constructed and maintained to prevent ingress of rain and surface water; *Table continued on next page*

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**
A2			2. Rain and uncontaminated surface water must be kept separate from contaminated water and other liquids; 3. Containers must be stored on an impermeable surface with sealed drainage. Storage prior to and following pre-treatment of waste refrigeration equipment shall be undertaken on impermeable pavement. The maximum quantity of waste refrigeration units stored at the site at any one time shall not exceed 25,350 units WEEE, disassembled spare parts, components or residues must be: 1. Stored on an impermeable surface with sealed drainage with provision of spillage collection facilities and, where appropriate decanters and cleanser degreasers; 2. Stored in areas provided with a weatherproof covering where appropriate or in containers providing a weatherproof covering where appropriate. Waste types as specified in Table S2.1

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**
	Directly Associated Activity		
A3	Infeed storage and direct output storage	Storage of Refrigerator plant input prior to processing. Storage of direct outputs (schedule 1 Section 5.3 A(1)(a))	Maximum infeed storage capacity – 2 tonnes Maximum direct output capacity – 800 tonnes

	Description of activities for waste operations	**Limits of activities**
A4	**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) **R3**: Recycling/reclamation of organic substances which are not used as solvents **R4**: Recycling/reclamation of metals and metal compounds **R5**: Recycling/reclamation of other inorganic compounds	Storage and treatment of non-hazardous WEEE. Storage of WEEE pending manual dismantling. Storage and treatment of non-hazardous waste (not subject to listed activity). Storage of tyres, plastics and packaging (as per EWC codes in Table S2.2).

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Technical Guidance Document: 'How to comply with your environmental permit'	All relevant sections	N/A
EMS Sims Environmental Management System	All	N/A
Response to regulation 61(1) Notice – request for information dated 05/04/2019 detailing how the Operator will comply with the BAT conclusions for Waste Treatment, under Directive 2010/75/EU of the European Parliament and of the Council	All parts	30/09/2019
Additional information for regulation 61(1) Notice	Further BAT response, Environmental Risk Assessment Management Plan and Drainage response. All parts	23/03/2020
Fire prevention and mitigation plan guidance – Waste management	All relevant sections	N/A
Fire prevention and mitigation plan	All relevant sections	In line with IC 1

Table S1.3 Standards for pre-destruction and destruction of refrigeration units	
Stage 1) Pre-destruction processing of waste refrigeration units	The pre-destruction processing of refrigerator units shall be undertaken in a manner to ensure fugitive emissions from the removal of refrigerant and oil from the refrigeration cooling systems are collected. Drainage of the refrigeration cooling system shall be undertaken in a manner that results in the removal of at least 99% of the refrigerant and the oil from the cooling circuit. Upon removal of compressor oil from the cooling system: The compressor oil shall be processed to ensure that the concentration of refrigerant in the oil is <0.9% w/w; or Where the compressor oil is not processed to remove dissolved refrigerant it shall be placed immediately in a suitable sealed container to prevent fugitive emissions and sent for further refrigerant recovery or destruction. Following the drainage of the cooling system, the compressor unit shall be removed from the refrigerator unit and placed into a suitable container that prevents fugitive emissions. Switches containing mercury or other hazardous components shall be removed from the unit and placed in a suitable container prior to unit destruction. All refrigerator units shall be drained of free water prior to destruction. Insulation panels shall be cut in a way that prevents or where that is not practicable, minimises dust and fugitive loss of blowing agent.
Stage 2) Refrigeration unit carcass and insulation panel destruction	Refrigeration unit carcasses and insulation panels shall not be subject to the destruction process unless processed to the appropriate pre-destruction processing standards specified in Section 1 above. The destruction of the refrigerator unit carcasses and insulation panels shall be undertaken in a contained environment that prevents fugitive losses of the blowing agent. Residual materials resulting from the destruction of refrigeration unit carcasses and insulation panels shall not be removed from the contained environment unless they meet the specified standards below: • Metal - The quantity of foam remaining on the granulated metal after processing shall not exceed 0.5% w/w • Plastic - The quantity of foam remaining on the granulated plastic after processing shall not exceed 1% w/w • Foam - The quantity of residual blowing agents remaining in the polyurethane foam shall not exceed: – 0.5% w/w where foam is stored in a contained environment subject to further recovery or destruction – 0.2% w/w in other cases All waters generated from the destruction operations shall be collected and stored in a sealed container to prevent fugitive emissions prior to disposal and recovery.

Table S1.4 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	The operator shall submit a written fire prevention and mitigation plan to Natural Resources Wales. The Fire prevention and mitigation plan must be produced in line with the standards set out in fire prevention and mitigation plan guidance – Waste.	15/04/2021 or otherwise agreed in writing with Natural Resources Wales
IC2	The operator shall submit to Natural Resources Wales a written procedure(s) describing how they intend to meet the following BAT requirements in accordance with requirements specified within BAT Conclusion of the Waste Treatment BREF Document (EU 2018): • BAT 1 Environmental Management System, (vii) following development of cleaner technologies, (IX) application of sectoral benchmarking on a regular basis and (x) Inventory of waste gas stream in line with BAT 3. • BAT 3 (iii) Information on the characteristics of the waste gas stream • BAT 8 Monitor channelled emissions to air with frequency specified (TVOC). Also relates to BAT 29, Table 6.4, • BAT 19 Optimise water consumption, reduce waste water generation and prevent/reduce emissions to soil and water (c) impermeable surface. Provide information on how the site complies with CIRIA 736 or an equivalent engineering standard to which the surface complies together with sign off from construction by a Certified Quality Auditor), • BAT 23 Energy efficiency – (a) Energy Efficiency Plan and (b) Energy Balance Record.	17th February 2022 or otherwise agreed in writing with Natural Resources Wales

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Permitted waste types and quantities for hazardous waste storage and treatment	
Maximum quantity	Total annual throughput combined with S2.2 shall not exceed 74,999 tonnes

Waste code	Description
14	**WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)**
14 06	**waste organic solvents, refrigerants and foam/aerosol propellants**
14 06 01*	chlorofluorocarbons, HCFC, HFC
14 06 03*	other solvents and solvent mixtures
16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST	
16 02	**wastes from electrical and electronic equipment**
16 02 09*	transformers and capacitors containing PCBs
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 [1] other than those mentioned in 16 02 09 to 16 02 12
16 02 15*	hazardous components removed from discarded equipment
16 06	**batteries and accumulators**
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	mercury-containing batteries
16 06 06*	separately collected electrolyte from batteries and accumulators
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
17 06	**insulation materials and asbestos-containing construction materials**
17 06 03*	other insulation materials consisting of or containing dangerous substances
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 10	**wastes from shredding of metal-containing wastes**
19 10 05*	other fractions containing dangerous substances
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 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)

[1] Hazardous components from electrical and electronic equipment may include accumulators and batteries mentioned in 16 06 and marked as hazardous; mercury switches, glass from cathode ray tubes and other activated glass, etc.

Table S2.2 Permitted waste types and quantities for non-hazardous waste storage and treatment	
Maximum quantity	Total annual throughput combined with S2.1 shall not exceed 74,999 tonnes

Waste code	Description
15	**WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 06	mixed packaging
16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST	
16 01	**end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
16 01 03	end-of-life tyres
16 02	**wastes from electrical and electronic equipment**
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 06	**batteries and accumulators**
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
17 04	**metals (including their alloys)**
17 04 11	cables other than those mentioned in 17 04 10
17 06	**insulation materials and asbestos-containing construction materials**
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
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 10	**wastes from shredding of metal-containing wastes**
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 06	other fractions other than those mentioned in 19 10 05
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
20	**MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**
20 01	**separately collected fractions (except 15 01)**
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 39	plastics
20 01 40	metals

Schedule 3(a) – Emissions and monitoring effective until 16th August 2022

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
3A [Point 3A on site plan in Schedule 7] Note1	CFC	Refrigerator Plants 1 and 2	<100 units 5g per hour >100 units but <200 units 10g per hour >200 units but <300 units 15g per hour >300 units but <400 units 20g per hour >400 units 30g per hour	Hourly	Continuous	Guidance on the Recovery and Disposal of Controlled Substances Contained in Refrigeration and Freezers, 22 April 2002
3B [Point 3B on site plan in Schedule 7] Note1	CFC	Refrigerator Plants 1 and 2	<100 units 5g per hour >100 units but <200 units 10g per hour >200 units but <300 units 15g per hour >300 units but <400 units 20g per hour >400 units 30g per hour	Hourly	Continuous	Guidance on the Recovery and Disposal of Controlled Substances Contained in Refrigeration and Freezers, 22 April 2002

Note1: Samples shall be collected from the emission control system exhaust and

a) Subjected to independent conformance testing for a minimum of 50,000 units destroyed; or monthly, whichever is sooner; and
b) The operator shall provide Natural Resources Wales with 48 hours notice of the sampling exercise being undertaken if requested by Natural Resources Wales; and
c) A copy of each sampling result shall be submitted to Natural Resources Wales within 1 month of the monitoring exercise being undertaken.

Table S3.2 Process monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Pre-destruction processing Compressor oil	Concentration of refrigerant in the oil (%w/w)	Quarterly	Independent conformance testing	---
Refrigeration unit degassing	Refrigeration unit type	Daily	Record of each unit type	Type 1 – 4
	Refrigerant type			CFC, HCFC, HFC, HC or ammonia
	Number of defective units			---
Quantity of refrigerant recovered	Quantity of refrigerant collected over reporting period	Monthly	Weighed using calibrated scales	---
Record of residual wastes removed from the site	As set in Form Appendix A: Quantities of residual materials from pre-destruction and destruction process	Quarterly	---	---
Destruction plant Contained environment	Lower Explosive Limit (LEL) or Limiting Oxygen Concentration (LOC)	Continuous	---	---
Residual materials conformance testing	Quantity of foam remaining on the granulated metal after processing (%w/w)	Quarterly	Independent conformance testing	---
	Quantity of foam remaining on the granulated plastic after processing (%w/w)	Quarterly	Independent conformance testing	---
	Quantity of residual blowing agents remaining in the foam after processing (%w/w)	Quarterly	Independent conformance testing	---
Refrigeration unit carcass destruction	Refrigeration unit type	Daily	Record of each carcass destruction	Type 1 - 4
	Blowing agent type			CFC, HCFC, HFC or HC
Record of insulation panel foam destruction	Weight of panel processed	Monthly	Weight (kg)	---
Quantity of blowing agent recovered	Quantity of blowing agent collected over reporting period	Monthly	Weighed using calibrated scales	---

Schedule 3(b) – Emissions and monitoring effective from 17th August 2022

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
3A [Point 3A on site plan in Schedule 7] Note1	CFC	Refrigerator Plant 1	10mg/m^3	Average value of three consecutive measurements of at least 30 minutes each	Monthly for first 6 months then once every six months with written agreement from Natural Resources Wales	CEN TS 13649
	Total volatile organic compounds (including HCFCs, HFCs and HCs)	Refrigerator Plant 1	15 mg/m^3	Average value of three consecutive measurements of at least 30 minutes each	Monthly for first 6 months then once every six months with written agreement from Natural Resources Wales	EN 12619
3B [Point 3B on site plan in Schedule 7] Note1	CFC	Refrigerator Plant 2	10mg/m^3	Average value of three consecutive measurements of at least 30 minutes each	Monthly for first 6 months then once every six months with written agreement from Natural Resources Wales	CEN TS 13649
	Total volatile organic compounds (including HCFCs, HFCs and HCs)	Refrigerator Plant 2	15 mg/m^3	Average value of three consecutive measurements of at least 30 minutes each	Monthly for first 6 months then once every six months with written agreement from Natural Resources Wales	EN 12619

Note1: Samples shall be collected from the emission control system exhaust

Table S3.2 Process monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Pre-destruction processing Compressor oil	Concentration of refrigerant in the oil (%w/w)	Quarterly	Independent conformance testing	---
Refrigeration unit degassing	Refrigeration unit type	Daily	Record of each unit type	Type 1 – 4
	Refrigerant type			CFC, HCFC, HFC, HC or ammonia

	Number of defective units			---
Quantity of refrigerant recovered	Quantity of refrigerant collected over reporting period	Monthly	Weighed using calibrated scales	---
Record of residual wastes removed from the site	As set in Form Appendix A: Quantities of residual materials from pre-destruction and destruction process	Quarterly	---	---
Destruction plant Contained environment	Lower Explosive Limit (LEL) or Limiting Oxygen Concentration (LOC)	Continuous	---	---
Residual materials conformance testing	Quantity of foam remaining on the granulated metal after processing (%w/w)	Quarterly	Independent conformance testing	---
	Quantity of foam remaining on the granulated plastic after processing (%w/w)	Quarterly	Independent conformance testing	---
	Quantity of residual blowing agents remaining in the foam after processing (%w/w)	Quarterly	Independent conformance testing	---
Refrigeration unit carcass destruction	Refrigeration unit type	Daily	Record of each carcass destruction	Type 1 - 4
	Blowing agent type			CFC, HCFC, HFC or HC
Record of insulation panel foam destruction	Weight of panel processed	Monthly	Weight (kg)	---
Quantity of blowing agent recovered	Quantity of blowing agent collected over reporting period	Monthly	Weighed using calibrated scales	---

Schedule 4 (a) – Reporting effective until 16th August 2022

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 3.3.1.	3A and 3B	Monthly	06/07/2015

Table S4.2 Production/treatment

Parameter	Frequency
A summary of the residual waste materials removed from site, in the format of Appendix A	Quarterly

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
A summary of the wastes processed and the efficiency of the processing operations, in the format of Appendix B	Quarterly	As specified in Appendix B
A summary of the residual materials conformance testing, in the format of Appendix C	Quarterly	%w/w
Water usage	Annually	m^3
Energy usage	Annually	MWh

Table S4.4 Reporting forms

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by Natural Resources Wales	06/07/15
Residual materials from pre-destruction and destruction process	Quantities of residual materials from pre-destruction and destruction process form (Appendix A) or other form as agreed in writing by Natural Resources Wales	15/01/2021
Process efficiency	Destruction process efficiency reporting form (Appendix B) or other form as agreed in writing by Natural Resources Wales	15/01/2021
Conformance testing of residual materials	Residual materials conformance testing reporting form (Appendix C) or other form as agreed in writing by Natural Resources Wales	15/01/2021
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	15/01/2021
Energy usage	Form energy usage 1 or other form as agreed in writing by Natural Resources Wales	15/01/2021
Waste Subject to Conditions 4.2.5	Waste tonnage return form from the Natural Resources Wales website or other form as agreed in writing by Natural Resources Wales	N/A

Schedule 4 (b) – Reporting from 17th August 2022

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 3.3.1.	3A and 3B	Monthly for first 6 months then once every six months with written agreement from Natural Resources Wales	17/08/2022

Table S4.2 Production/treatment

Parameter	Frequency
A summary of the residual waste materials removed from site, in the format of Appendix A	Quarterly

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
A summary of the wastes processed and the efficiency of the processing operations, in the format of Appendix B	Quarterly	As specified in Appendix B
A summary of the residual materials conformance testing, in the format of Appendix C	Quarterly	%w/w
Water usage	Annually	m^3
Energy usage	Annually	MWh
Generation of waste water	Annually	M^3
Total raw material used	Annually	tonnes

Table S4.4 Reporting forms

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by Natural Resources Wales	17/08/2022
Residual materials from pre-destruction and destruction process	Quantities of residual materials from pre-destruction and destruction process form (Appendix A) or other form as agreed in writing by Natural Resources Wales	15/01/2021
Process efficiency	Destruction process efficiency reporting form (Appendix B) or other form as agreed in writing by Natural Resources Wales	15/01/2021
Conformance testing of residual materials	Residual materials conformance testing reporting form (Appendix C) or other form as agreed in writing by Natural Resources Wales	15/01/2021

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	17/08/2022
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	15/01/2021
Energy usage	Form energy usage 1 or other form as agreed in writing by Natural Resources Wales	15/01/2021
Raw materials used	Form other performance 1 or other form as agreed in writing by Natural Resources Wales	17/08/2022
Waste Subject to Conditions 4.2.5	Waste tonnage return form from the Natural Resources Wales website or other form as agreed in writing by Natural Resources Wales	N/A

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 activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment** **Or** **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 permit condition	
To be notified within 24 hours of detection	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
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) In the event 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:	
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.

"Annex I" means Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

"Annex II" means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

"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 Natural Resources Wales 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.

"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 (BATRRT) 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 refrigeration 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).

"building" means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

"compacting" means compacting involving the flattening or crushing of compactable metal wastes to aid storage and economic transportation to the scrap processor; it is often a preparation for shredding. Compacting may be achieved using a waste handler's loading shovel (known as "tapping") or specially designed hydraulic flattener.

"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. This definition shall not cover any controlled substance which is in a manufactured product other than a container used for the transportation or storage of that substance, or insignificant quantities of any controlled substance, originating from inadvertent or coincidental production during a manufacturing process, from unreacted feedstock, or from use as a processing agent which is present in chemical substances as trace impurities, or that is emitted during product manufacture or handling.

"cutting" means cutting typically utilising either an oxy-acetylene gas cutting torch or abrasive disc cutter to cut and/or resize large pieces of scrap metal into more manageable sizes; powder torches and plasma torches may be used to cut heat-resistant scrap e.g. pig iron, copper, bronze).

"Defective unit" means a refrigeration unit that does not have any gas pressure in the cooling circuit.

*"disposal" or "D" m*eans any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

"emissions to land" includes emissions to groundwater.

"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**.**

"*End-of-Life Vehicles Directive*" means Directive 2000/53/EC of the European Parliament and Council of 18 September 2000 on end-of-life vehicles.

"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 lll of the Waste Framework Directive

"hazardous waste" has the meaning given in the Hazardous Waste (Wales) Regulations 2005 (as amended)

"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

"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" 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.

"Insulation panel" 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.

"Insulation panel type" Based upon the type of facing material used to back or sandwich the insulation panel foam (e.g. aluminium foil, steel sheet, wood).

"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, 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" or "R" 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 refrigeration unit. Refrigerants include chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), hydrofluorocarbons (HFCs), hydrocarbons (HCs) and ammonia.

"Refrigeration unit type" are four identified types of refrigeration unit, as set out in the table below:

Type 1	Refrigerator with storage capacity <0.18m3
Type 2	Refrigerator or combined refrigerator/freezer with storage capacity >0.18m3 & <0.35m3
Type 3	Freezer with storage capacity <0.50m3
Type 4	any refrigerator or freezer not covered by Types 1-3

“Refrigeration unit” should be taken to include all types of refrigeration equipment as well as appliances like heat pump tumble dryers, de-humidifiers and portable air conditioners, and comparable commercial refrigeration units and appliances, are not explicitly included in the unit types defined above, however they should still be taken into account in the Appendix A and Appendix B reporting requirements and managed in accordance with the conditions of the permit where relevant.

“Refrigeration unit carcass” is the term used to describe refrigeration unit following completion of predestruction processing (i.e. following drainage of cooling system and removal of compressor and any switches/components, condensers and electronic drives).

‘residue’ means the solid waste generated by the waste treatment activity and is not directly related to the type of waste treated in the plant

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

• no liquids will run off the surface otherwise than via the system

• all liquids entering the system are collected in a sealed sump, except where liquids may be lawfully discharged.

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

“shearing” means utilises a range of hydraulic machinery that comprise hard steel blades which cut metals into manageable sizes. It may be hand-held, static or attached to mobile plant (e.g. cranes).

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

‘treatment in shredders’ 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.’

“Waste code” means the six digit code referable to a type of waste in accordance with the list of wastes established by Commission Decision 2000/532/EC as amended from time to time (the ‘List of Wastes Decision’) and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or *“WFD”* means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste Treatment BAT Conclusions” means the BAT Conclusions for the Waste Treatment sector published as a Commission Implementing Decision EU 2018/1447 in the Official Journal of the EU on 17 August 2018

“WEEE” means waste electrical and electronic equipment.

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

“year” means calendar year ending 31 December.

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

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

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

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

Where the following terms appear in the waste code list in Tables S2.1 and S2.2, 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.

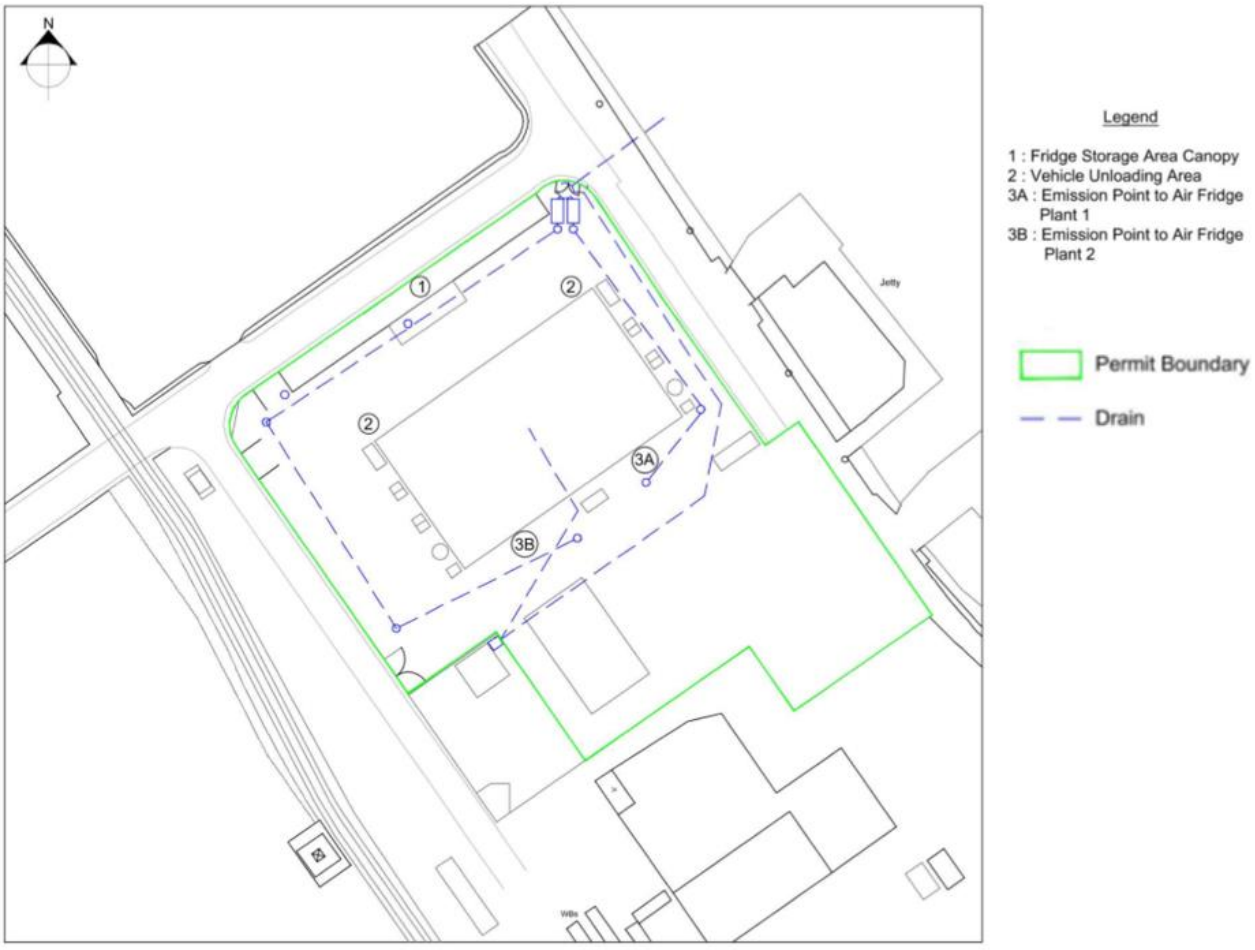
“transition metals” means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified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

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

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

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

Schedule 7 - Site plan



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