

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Sims Group UK Limited

Sims Group UK Limited
Northside, South Dock
Alexandra Dock
Newport
NP20 2WE

Permit number

EPR/KP3195FW

Sims Group UK Limited
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 Simsmetal 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.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/KP3195FW

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/KP3195FW/V007 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 at
Northside, South Dock
Alexandra Dock
Newport
NP20 2WE

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

Name	Date
	06/07/15

Eirian Macdonald

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 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

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

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

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

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

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in 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 S1.5, 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 S1.5 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(s) S2.1.; 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.

2.4 Technical requirements

WEEE treatment

- 2.4.1 The storage (including temporary storage) and treatment of WEEE shall be carried out in accordance with the technical requirements of Annex III of the WEEE Directive.
- 2.4.2 WEEE shall be treated using best available treatment, recovery and recycling techniques (BATRRRT).
- 2.4.3 As a minimum, the substances, preparations and components specified in table 2.4.3 shall be removed from any separately collected WEEE.

Table 2.4.3 Substances, preparations and components to be removed from separately collected WEEE

- Capacitors containing Polychlorinated biphenyls (PCB)
- 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
- 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)

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

2.4.5 Separately collected components of WEEE specified in table 2.4.5 shall be treated in accordance with the methods specified in that table.

Table 2.4.5 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.

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

Waste battery and accumulator treatment

2.4.7 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

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

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.
- 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

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;
- 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 S4.3 ; 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 (a) In the event 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 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.
- 4.3.4 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.
- 4.3.5 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) 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.

4.3.6 Natural Resources Wales 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 “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.	<p>R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)</p> <p>R4: Recycling/reclamation of metals and metal compounds</p> <p>R5: Recycling/reclamation of other inorganic compounds</p>	<p>Treatment consisting only of sorting, dismantling, separation, shredding, screening, grading, baling, shearing, compaction, crushing, granulation or cutting of waste into different components for recovery.</p> <p><u>WEEE</u></p> <p>Treatment of WEEE must be carried out:</p> <ol style="list-style-type: none"> 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; <p>Buildings, covered areas or containers must meet the following requirements:</p> <ol style="list-style-type: none"> 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			<ol style="list-style-type: none"> 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. <p><u>Fridges</u> All treatment and pre-treatment of refrigeration equipment shall be undertaken on impermeable pavement within a building.</p> <p>Disassembled spare parts containing liquids shall be stored in appropriate containers.</p>
A2	<p>S5.6A(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—</p> <p>(i) temporary storage, pending collection, on the site where the waste is generated, or</p> <p>(ii) activities falling within Section 5.2.</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>Batteries, PCBs/ PCTs containing capacitors and other hazardous waste must be stored in dedicated, labelled appropriate containers</p> <p>Buildings, covered areas or containers must meet the following requirements:</p> <ol style="list-style-type: none"> 1. Buildings, covered areas, or containers must be designed, constructed and maintained to prevent ingress of rain and surface water;

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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			<ol style="list-style-type: none"> 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.
			<p>Storage prior to and following pre-treatment of waste refrigeration equipment shall be undertaken on impermeable pavement.</p>
			<p>The maximum quantity of waste refrigeration units stored at the site at any one time shall not exceed 25,350 units</p>
			<p>WEEE, disassembled spare parts, components or residues must be:</p>
			<ol style="list-style-type: none"> 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.
Directly Associated Activity			
A3	Infeed storage and direct output storage	<p>Storage of fridge plant input prior to processing. Storage of direct outputs (schedule 1 Section 5.3 A(1)(a))</p>	<p>Maximum infeed storage capacity – 2 tonnes Maximum direct output capacity – 800 tonnes</p>

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
	Description of activities for waste operations	Limits of activities	
A4	<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>Storage and treatment of non-hazardous WEEE.</p> <p>Storage of WEEE pending manual dismantling.</p> <p>Storage and treatment of non-hazardous waste (not subject to listed activity).</p> <p>Storage of tyres, plastics and packaging (as per EWC codes in Table S2.1).</p>	

Table S1.2 Permitted quantities of residual materials from stage carcass destruction

Residual materials	Permitted Waste Categories	Maximum permitted storage quantities for each waste category	Maximum permitted storage times for each waste category
Compressor oil	13 02 08* other engine, gear and lubricating oils	1,500 gallons	1 year
Refrigerants	14 06 01* Chlorofluorocarbons, HCFC,HFC	3 Tonnes	3 months
HC refrigerants	14 06 03* other solvents and solvent mixtures	3 Tonnes	3 months
Blowing agent	14 06 01* Chlorofluorocarbons, HCFC,HFC	9 Tonnes	3 months
HC blowing agents	14 06 03* other solvents and solvent mixtures	9 Tonnes	3 months
Polyurethane foam	19 12 04 rubber and plastic	80 Tonnes	6 months
Ferrous metal	19 10 01 iron and steel waste	200 Tonnes	1 year
Non-ferrous metal	19 10 02 non-ferrous waste	50 Tonnes	1 year
Plastic	19 12 04 rubber and plastic	80 Tonnes	1 year
Rubber	19 12 04 rubber and plastic	80 Tonnes	1 year
Mercury switches etc	19 10 05* other fractions containing dangerous substances	2 Tonnes	1 year
Others	19 10 06 other fractions other than those mentioned in 19 10 05	100 Tonnes	1 year

Table S1.3 Pre-destruction Processing

Stage of Treatment Process	Specified Standards
Removal of refrigerant and lubricant	Drainage of the refrigeration cooling system shall be undertaken in a manner that results in removal of 99% of the compressor oil and refrigerant from the cooling circuit and compressor being collected and stored in a sealed container.
Processing of compressor oil ^{Note1}	Upon removal of compressor oil from the cooling system: <ol style="list-style-type: none"> 1. The compressor oil shall be processed to ensure that the concentration of refrigerant in the oil is 0.9% w/w ; or 2. It shall be placed immediately in a suitable sealed container to prevent fugitive emission of controlled substances.
Removal of compressor	Following the drainage of the cooling system, the compressor unit shall be removed from the refrigerator unit and placed into a sealed container.

Table S1.3 Pre-destruction Processing

Stage of Treatment Process	Specified Standards
Removal of switches	Switches containing mercury or other components containing hazardous components shall be removed from the unit and placed in a suitable container prior to unit destruction.
Removal of accumulated water	All refrigerator units shall be drained of free water prior to destruction.

Note1: Samples of the removed compressor oil listed in table S1.3 shall be:

- 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) The results of the monitoring shall be forwarded to Natural Resources Wales within 1 month of the sampling exercise being undertaken.

Table S1.4 Standards for Fridge destruction

Residual materials	Specified Standards
Metals ^{Note1}	The quantity of foam remaining on the granulated metal after processing shall not exceed 0.5% w/w
Plastic ^{Note1}	The quantity of foam remaining on the granulated plastic after processing shall not exceed 1.0% w/w
Polyurethane ^{Note1}	The quality of residual blowing agent remaining in the polyurethane foam shall not exceed: <ol style="list-style-type: none"> a) 0.5%w/w where foam is stored in a contained environment subject to further recovery or destruction b) 0.2% w/w in all other cases
Waste water ^{Note1}	All waters generated from the processing of the refrigeration unit shall be collected and stored in a sealed container to prevent fugitive emission of controlled substances prior to disposal

Note1: Samples of the residual materials listed in table S1.4 shall be:

- d) Subjected to independent conformance testing for a minimum of 50,000 units destroyed; or monthly, whichever is sooner; and
- e) The operator shall provide Natural Resources Wales with 48 hours notice of the sampling exercise being undertaken if requested by Natural Resources Wales; and
- f) The results of the destruction process monitoring shall be forwarded to Natural Resources Wales within 1 month of the sampling exercise being undertaken.

Table S1.5 Operating techniques

Description	Parts	Date Received
How to comply with your Environmental Permit	All	N/A
EMS Sims Environmental Management System	All	N/A

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Permitted waste types and quantities

Maximum quantity Total annual throughput 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
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 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 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 15*	hazardous components removed from discarded equipment
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 06	batteries and accumulators
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	mercury-containing batteries
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
16 06 06*	separately collected electrolyte from 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 03*	other insulation materials consisting of or containing dangerous substances
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03

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 S2.1 Permitted waste types and quantities

Maximum quantity Total annual throughput shall not exceed 74,999 tonnes

Waste code	Description
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 05*	other fractions containing dangerous substances
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 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 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)
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 – Emissions and monitoring

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
3 [Point 3 on site plan in Schedule 7] Note1	CFC	Fridge Plants 1 and 2	<100 units 5g per hour	Hourly	Continuous	Guidance on the Recovery and Disposal of Controlled Substances Contained in Refrigeration and Freezers, 22 April 2002
			>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			

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.

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 3.3.1.	3	monthly	06/07/2015

Table S4.2 Performance parameters		
Parameter	Frequency of assessment	Units
Compressor Oil (13 02 08* other engine, gear and lubricating oils)	Quarterly	Litres
Refrigerants (14 06 01* Chlorofluorocarbons, HCFC, HFC)	Quarterly	Tonnes
HC Refrigerants (14 06 03* other solvents and solvent mixtures)	Quarterly	Tonnes
Blowing Agent (14 06 01* Chlorofluorocarbons, HCF, HFC)	Quarterly	Tones
HC Blowing Agents (14 06 03* other solvents and solvent mixtures)	Quarterly	Tonnes
Polyurethane Foam (19 12 04 rubber and plastic)	Quarterly	Tonnes
Ferrous Metal (19 10 01 iron and steel waste)	Quarterly	Tonnes
Non-ferrous Metal (19 10 02 non-ferrous waste)	Quarterly	Tonnes
Plastic (19 12 04 rubber and plastic)	Quarterly	Tonnes
Rubber (19 12 04 rubber and plastic)	Quarterly	Tonnes
Mercury Switches etc. (19 10 05* other fractions containing dangerous substances)	Quarterly	Kg
Others (19 10 06 other fractions other than those mentioned in 19 10 06)	Quarterly	Kg
Defective Units	Quarterly	No of Units
Ammonia Units	Quarterly	No of Units
CFC Units	Quarterly	No of Units
Dual Circuit Units	Quarterly	No of Units
Total number of units	Quarterly	No of Units
Tare weight of CRC R12 containers	Quarterly	Kg
Weight of filled containers	Quarterly	Kg
Total weight of CFC R12	Quarterly	Kg
Average weight of CFC per unit ^{Note1}	Quarterly	g/unit
Theoretical recovery of blowing agent - Unit Type 1 ^{Note 2}	Quarterly	Kg
Theoretical recovery of blowing agent - Unit Type 2 ^{Note 3}	Quarterly	Kg
Theoretical recovery of blowing agent - Unit Type 3 ^{Note 4}	Quarterly	Kg
Theoretical recovery of blowing agent - Unit Type 4	Quarterly	Tonnes
Actual Recovery of blowing agent – Empty weight of CFC R11 containers	Quarterly	Kg
Actual Recovery of blowing agent – Weight of filled containers	Quarterly	Kg
Actual Recovery of blowing agent – Total net quantity of CFC	Quarterly	Kg

Note 1 – This is calculated using the following: [(Number of CFC Units + Number of units with dual circuits) – (Number of defective units + Number of ammonia units) / Total weight of CFC R12]

Note 2 – This is calculated using the following: [Number of Units X 240g R11/unit]

Note 3 – This is calculated using the following: [No Units X 320g R11/unit]

Note 4 – This is calculated using the following: [No Units X 400g R11/unit]

Table S4.3 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	Form performance 1 or other form as agreed in writing by Natural Resources Wales	06/07/15

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	
To be notified Immediately	
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 immediately	
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

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(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 immediately	
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);

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

“*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.

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

“*disposal*” means any of the operations provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“*emissions to land*” includes emissions to groundwater.

“*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 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“*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..

“*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 given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No.894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

“*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).

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

“*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.

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

“*recovery*” means any of the operations provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“*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.

“*WEEE*” means waste electrical and electronic equipment.

“*WEEE Directive*” means Directive 2002/96/EC of the European Parliament and of the Council of 27th January 2003 on waste electrical and electronic equipment (WEEE) as amended by Directive 2003/108/EC of the European Parliament and of the Council of 8th December 2003 on waste electrical and electronic equipment (WEEE).

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

“*year*” means calendar year ending 31 December.

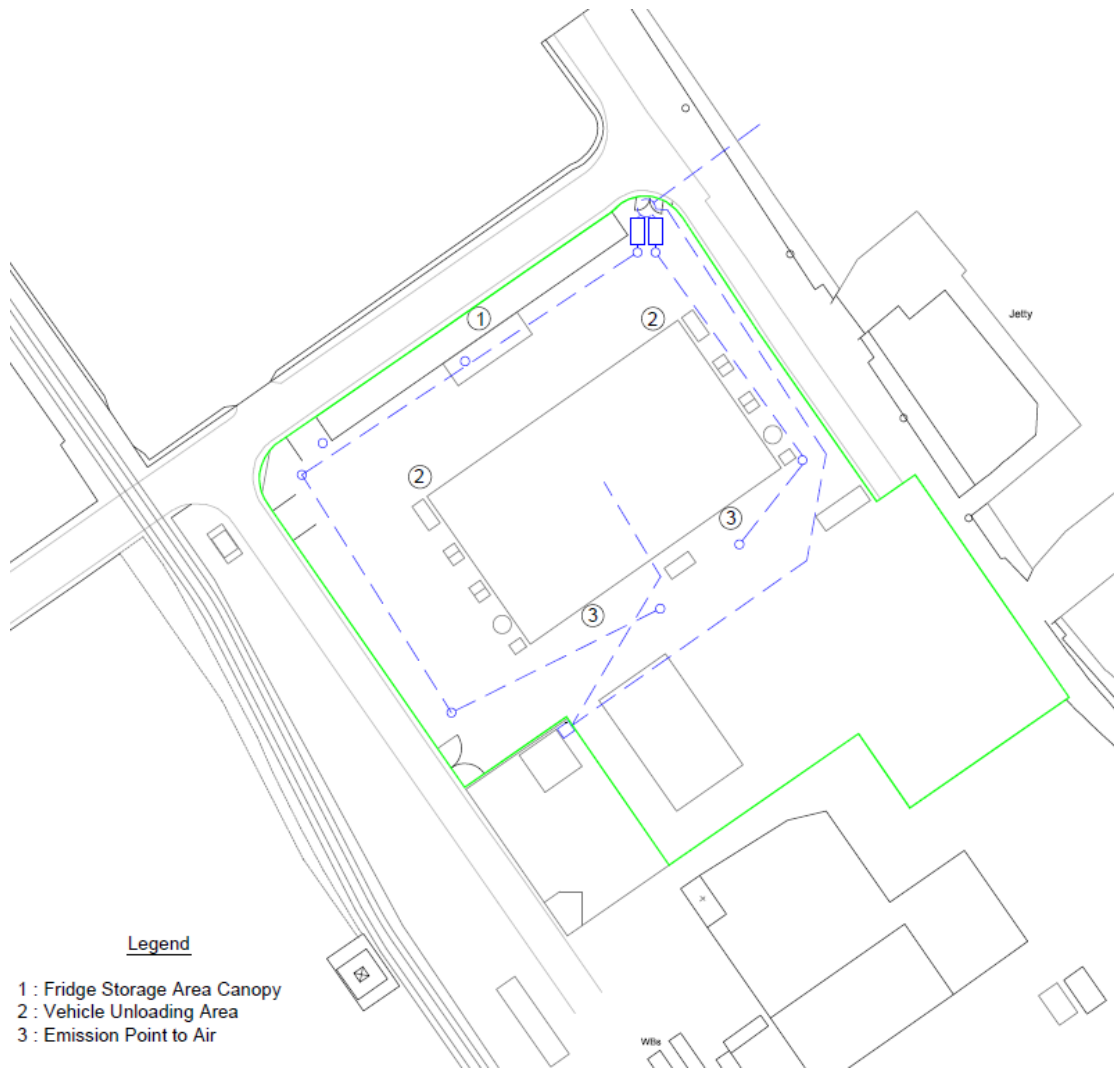
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

Schedule 7 - Site plan



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END OF PERMIT

Permit Number: KP3195FW Operator: Sims Group UK Limited
 Facility: Northside, South Dock Form Number: Air1 / 06/07/15

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

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
3 [Point 3 on site plan in Schedule 7]	CFC	<100 units 5g per hour		Monthly				
		>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						

- [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 Natural Resources Wales 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.

Permit Number: KP3195FW Operator: Sims Group UK Limited

Facility:

Northside, South Dock

Form Number:

Performance1 / 06/07/15

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

Parameter	Units
Compressor oil (13 02 08* other engine, gear and lubricating oils)	Litres
Refrigerants (14 06 01* Chlorofluorocarbons, HCFC, HFC)	Tonnes
HC refrigerants (14 06 03* other solvents and solvent mixtures)	Tonnes
Blowing agent (14 06 01* Chlorofluorocarbons, HCFC, HFC)	Tonnes
HC blowing agents (14 06 03* other solvents and solvent mixtures)	Tonnes
Polyurethane foam (19 12 04 rubber and plastic)	Tonnes
Ferrous metal (19 10 01 iron and steel waste)	Tonnes
Non-ferrous metal (19 10 02 non-ferrous waste)	Tonnes
Plastic (19 12 04 rubber and plastic)	Tonnes
Rubber (19 12 04 rubber and plastic)	Tonnes
Mercury switches etc. (19 10 05* other fractions containing dangerous substances)	Kg
Others (19 10 06 other fractions other than those mentioned in 19 10 05)	Kg
Defective Units	Number of Units
Ammonia Units	Number of Units
CFC Units	Number of Units
Dual Circuit Units	Number of Units
Total number of units	Number of Units
Tare weight of CRC R12 containers	Kg
Weight of filled containers	Kg
Total weight of CFC R12	Kg
Average weight of CFC per unit ^{Note 1}	g/unit
Theoretical recovery of blowing agent - Unit Type 1 ^{Note 2}	Kg
Theoretical recovery of blowing agent - Unit Type 2 ^{Note 3}	Kg
Theoretical recovery of blowing agent - Unit Type 3 ^{Note 4}	Kg
Theoretical recovery of blowing agent - Unit Type 4	Tonnes
Actual Recovery of blowing agent – Empty weight of CFC R11 containers	Kg
Actual Recovery of blowing agent – Weight of filled containers	Kg
Actual Recovery of blowing agent – Total net quantity of CFC	Kg

Operator's comments :

[Empty rectangular box for signature or stamp]

Signed
(Authorised to sign as representative of Operator)

Date.....