

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

J. Reid Trading Limited

**Refrigerant Transfer Operation Sandycroft
Factory Road
Sandycroft
Deeside
Flintshire
CH5 2QJ**

Permit number

EPR/MP3531MD

Refrigerant Transfer Operation Sandycroft

Permit number EPR/MP3531MD

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The installation carries out activities covered by the description in Section 5.3 Part A(1) in Part 1 to Schedule 1 of the Environmental Permitting (England and Wales) Regulations 2016 – “the disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day” and includes:

- the transfer of waste Chlorofluorocarbons (CFCs), Hydrochlorofluorocarbons (HCFCs) and Hydrofluorocarbons (HFCs) refrigerants from drums into ISO tanks to bulk up the waste from small drums into larger tanks;
- storage and/or transfer into receptacles of other waste gases for reuse or disposal off site;
- venting air gases to atmosphere and rendering receptacles unserviceable;
- the operation of a distillation unit for the recovery, reclamation and subsequent reuse of HCFCs, HFCs and Hydrocarbons (HCs);
- the storage of all gases, and storage of liquids in lecture bottles for onward disposal;
- reuse of pressure receptacles;
- SF6 Recovery System using membrane, adsorption, techniques which will take place within a building; and
- the temporary storage of waste oil is also permitted on site.

The waste chemicals are primarily from refrigeration and air conditioning units. The dismantling of units and incineration of the waste gases takes place off-site and as such does not form part of the permitted installation.

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

Status log of the permit

Description	Date	Comments
Application received EPR/MP3531MD	Duly made 14/02/2006	
Additional information received	22/02/2007	
Permit determined EPR/MP3531MD	19/04/2007	
Application EPR/MP3531MD/V002 (variation)	Duly made 25/02/2009	
Schedule 5 notice requiring further information	21/05/2009	
Further information received	20/07/2009	
Additional information received	16/09/2009	
Additional information received	25/09/2009	

Variation determined EPR/MP3531MD/V002	06/10/2009	Varied permit issued
Application EPR/MP3531MD/V003 (variation)	21/11/2011	
Additional information received	06/12/2011	
Variation determined EPR/MP3531MD/V003	21/12/2011	Varied permit issued
Agency variation determined EPR/MP3531MD/V004	22/03/2013	Agency variation to implement the changes introduced by the IED
Regulation 61(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	27/09/2019	Response received from the operator.
Additional information received	13/03/2020	More detailed response received and soil and groundwater risk assessment from the operator in response to request for further information dated 6/02/20
Additional information received	27/10/2020	Responses to further queries relating to distillation process, containment and surface water drainage
NRW-initiated variation determined EPR/MP3531MD/V005	12/01/2021	Varied permit issued to Operator
Application received EPR/MP3531MD/V006	Duly made 15/10/2021	Application to add two DAAs to permit: SF6 Recovery System; and Waste Oil Storage
Additional information received	06/01/2022	Technical details of SF6 Recovery System
Variation determined EPR/MP3531MD/V006	03/03/2022	Varied & Consolidated Permit Issued

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

EPR/MP3531MD

This is the consolidated permit referred to in the variation and consolidation notice for application **EPR/MP3531MD/V006** authorising,

J. Reid Trading Limited (“the operator”)

whose registered office is

Factory Road

Sandycroft

Deeside

Clwyd

Flintshire

CH5 2QJ

company registration number **01833223**

to operate an installation at

Refrigerant Transfer Operation

Sandycroft

Factory Road

Sandycroft

Deeside

Flintshire

CH5 2QJ

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

Name	Date
Holly Noble	03/03/2022

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 S1.2, 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 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 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.3 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 2 table S2.2; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.4 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.

2.3.5 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 Hazardous waste storage and treatment

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

2.5 Improvement programme

- 2.5.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by 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 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

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

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of 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.
- 3.3.2 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.

3.4 Noise and vibration

3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of 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.

3.4.2 The operator shall:

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

3.5 Monitoring

3.5.1 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 and S3.2

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

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

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2 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;
- (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 (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 "immediately", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 Activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A1	S5.3 A1 (a)(iv) – Disposal or recovery of hazardous waste in a facility with a capacity exceeding 10 tonnes per day involving repackaging prior to submission to any of the other activities listed in this Section or in Section 5.1	D13 – Blending or mixing prior to submission to any of the operations numbered D1 to D12 D14 – Repackaging prior to submission to any of the operations numbered D1 to D13 D15 – Storage pending any of the operations numbered D1 to D14	Transfer of Chlorofluorocarbons (CFCs), Hydrochloro fluorocarbons (HCFCs), Hydrofluorocarbons (HFCs) and Hydrocarbons (HCs) from cylinders/drums into ISO tanks. The transfer of gases that fall within the definition of non-hazardous waste or hazardous waste H2 – H6, H8 and H14 of Schedule 3 to the Hazardous Waste (Wales) Regulations 2005 as amended. The storage of gases that fall within the definition of non-hazardous waste or hazardous waste H1 – H8 and H10 – H14 of Schedule 3 to the Hazardous Waste (Wales) Regulations 2005 as amended. The storage of liquids in lecture bottle cylinders for onward processing at a licensed site. Waste types specified in Table 2.2
Directly Associated Activity			
A2	HCFCs, HFCs and HCs Reclamation and recovery system	R3 – Recycling / reclamation of organic substances which are not used as solvents	The reclamation and reuse of Hydrochloro fluorocarbons (HCFCs), Hydrofluorocarbons (HFCs) and Hydrocarbons (HCs) subject to analysis, using distillation separation techniques
A3	Receptacle cleaning and reclamation	R4 – Recycling / reclamation of metals and metal compounds	The reclamation for reuse of receptacles subject to satisfactory inspection. The return of receptacles to original owners. Venting of air gases to atmosphere and rendering receptacles unserviceable.
A4	Reclamation of inorganic products	R5 – Recycling / reclamation of other inorganic materials.	The reclamation of inorganic products subject to analysis using distillation separation techniques.
A5	Storage of waste gases	R13 – Storage of waste pending any of the operations numbered R1 to R12.	The storage of gases and receptacles for the above R3, R4 and R5 processes.
A6	SF6 Recovery system	R5 – Recycling / reclamation of other inorganic materials.	SF6 Recovery using membrane, adsorption, techniques.

A7	Temporary storage of waste oils	R13 – Storage of waste pending any of the operations numbered R1 to R12.	The temporary storage of waste oils pending R3 or R5 processes
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Table S1.2 Operating techniques

Description	Parts	Date Received
Application	The responses to section B2.1.4 to B2.1.24 of the application	14/12/2006
Notice requiring further information	Waste pre-acceptance, waste acceptance and waste storage procedures	22/02/2007
Application for variation	Waste pre-acceptance, acceptance, storage, and transfer operations	22/02/2009
Response to Schedule 5	Activities, infrastructure, security, risk, acceptance, storage and transfer	20/07/2009
Additional information	Consolidated submission	16/09/2009
Additional information	Additional	25/09/2009
Application for variation	The response to sections C3.1 to C3.7 and appendix 5	21/11/2011
Additional information	All	06/12/2011
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	27/09/2019
Additional information for regulation 61(1) Notice	All	13/03/2020
Application for variation EPR/MP3531MD/V006	The responses to section C2 to C3 of the application	28/02/2021
Application for variation EPR/MP3531MD/V006	JRT-DWG-WTO-01B - Layout Plan JRT-PVSR-2102 – Variation Report WTO-WP01r6 – Pre-acceptance of waste WTO-WP02r6 - Acceptance of waste WTO-WP03r6 - Storage of waste	15/10/2021
Response to Schedule 5 Notice – request for information dated 08/12/2022	JRT-PVSR-2201 2001-PID-02B-Layout1	06/01/2022

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	The Operator shall produce and implement formalised written procedures (and any amendments to them) that accord with section 2.1.1 of Sector Guidance Note S5.06, to assess waste prior to acceptance on the installation. The Operator shall submit the procedures for approval by the Agency (now NRW).	Completed
IC2	The Operator shall produce and implement formalised written procedures (and any amendments to them) that accord with section 2.1.2 of Sector Guidance Note S5.06, to assess waste arriving at the installation. The Operator shall submit the procedures for approval by the Agency (now NRW).	Completed

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC3	The Operator shall produce and implement formalised written procedures (and any amendments to them) that accord with section 2.1.3 of Sector Guidance Note S5.06, to cover bulked waste storage and quarantined waste storage. The Operator shall submit the procedures for approval by the Agency (now NRW).	Completed
IC4	The Operator shall develop and implement a documented system of management techniques, having regard to sections 2.3 and 2.8 of Sector Guidance Note S5.06. Confirmation in writing shall be submitted to the Agency to confirm the completion of the documented management system and all documentation should be available for inspection.	Completed
IC5	The operator shall develop a list of waste gases that can be disposed of in order to determine which waste gases can be received on site. These shall be categorised by name as inorganic, organic, non-hazardous, hazardous (and by reference H2 – H6, H8 and H14 and risk phrase R), unit size and receptacle (on receipt and despatch) and environmental fate (reuse or disposal). The operator shall submit in writing for approval to the Agency (now NRW).	Completed
IC6	The operator shall provide a summary of the techniques used to vent air gases to atmosphere and render receptacles unserviceable. The operator shall submit in writing for approval to the Agency (now NRW).	Completed
IC7	The operator shall provide details of the analysis techniques to be used to identify all of the waste gases on the waste list and the standards that apply. The operator shall submit in writing for approval to the Agency (now NRW).	Completed
IC8	The operator shall review against BAT all storage, segregation, security and risk assessments (including combination scenarios) and emergency procedures (including spillages to drains, fire water runoff and a Risk Visit by North Wales Fire and Rescue Service). The operator shall submit in writing for approval to the Agency (now NRW).	Completed
IC9	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 Conclusions of the Waste Treatment BREF Document (EU 2018): BAT 1 vii Following the development of cleaner technologies BAT 1 ix Regular sectoral benchmarking BAT 1 xii Residues management plan	17th February 2022 or otherwise agreed in writing with Natural Resources Wales
IC10	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 Conclusions of the Waste Treatment BREF Document (EU 2018) in relating to: BAT 2 a) Waste characterisation and pre-acceptance procedures BAT 2 c) Implementation of a waste tracking system and inventory BAT 2 d) Output quality management system BAT 2 e) Ensure waste segregation BAT 2 f) Ensure waste compatibility prior to mixing or blending	17th February 2022 or otherwise agreed in writing with Natural Resources Wales

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC11	The operator shall submit to Natural Resources Wales a written procedure(s) in accordance with requirements specified within BAT Conclusions of the Waste Treatment BREF Document (EU 2018) in relation to: BAT 3 i)b) information on the process-integrated and waste water/waste gas treatment descriptions including performance (in particular the performance of the distillation process) BAT 3 iii) Information on the characteristics of the waste gas stream from the venting of air gases and distillation process	17th February 2022 or otherwise agreed in writing with Natural Resources Wales
IC12	The operator shall submit to Natural Resources Wales a written procedure(s) in accordance with requirements specified within BAT Conclusions of the Waste Treatment BREF Document (EU 2018) in relation to: BAT 4 a) Adequate storage capacity	17th February 2022 or otherwise agreed in writing with Natural Resources Wales
IC13	The operator shall submit to Natural Resources Wales a written procedure(s) in accordance with requirements specified within BAT Conclusions of the Waste Treatment BREF Document (EU 2018) in relation to: BAT 14 a) Minimising potential diffuse emissions sources BAT 14 b) Selection and use of high-integrity equipment BAT 14 c) Corrosion prevention BAT 14 d) Containment, collection and treatment of diffuse emissions BAT 14 e) Dampening BAT 14 f) Maintenance BAT 14 g) Cleaning of waste treatment and storage areas BAT 14 h) Leak detection and repair programme for organics requiring the use of one or a combination of the above techniques.	17th February 2022 or otherwise agreed in writing with Natural Resources Wales
IC14	The operator shall submit to Natural Resources Wales information in order to evidence compliance with BAT Conclusion 19 of the Waste Treatment BRef Document (EU 2018).	17th February 2022 or otherwise agreed in writing with Natural Resources Wales
IC15	The operator shall submit to Natural Resources Wales a written procedure(s) in accordance with requirements specified within BAT Conclusions of the Waste Treatment BREF Document (EU 2018) in relation to: BAT 21 a) Protection measures (particularly in relation to fire and explosion protection and accessibility and operability in emergency situations)	17th February 2022 or otherwise agreed in writing with Natural Resources Wales
IC16	The operator shall submit to Natural Resources Wales written procedure(s) (including updates to existing procedures) in accordance with requirements specified within BAT Conclusions of the Waste Treatment BREF Document (EU 2018) in relation to: BAT 24 – Residue Management Plan This shall include information on how the reuse of packaging is maximised and how the quantity of waste sent for disposal is reduced.	17th February 2022 or otherwise agreed in writing with Natural Resources Wales

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC17	The Operator shall submit to Natural Resources Wales for approval, updated operating procedures, emergency procedures and risk assessments specific to the Operation of the SF6 Recovery System following commissioning of the recovery system.	1 month after commissioning or otherwise agreed in writing with Natural Resources Wales

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
-	-

Table S2.2 Permitted waste types and quantities for the storage of hazardous waste in the working and storage areas	
Maximum quantity	Maximum storage for hazardous waste: 100 tonnes
Waste code	Description
13	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)
13 02	Waste engine, gear, and lubricating oils
13 02 08*	Other engine, gear, and lubricating oils AH 13 03 waste insulating and heat transmission
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
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 04	Metallic 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 16	Tanks for liquified gas
16 05	Gases in pressure containers and discarded chemicals
16 05 04*	Gases in pressure containers (including halons) containing hazardous substances
16 05 05	Gases in pressure containers other than those mentioned in 16 05 04*

Schedule 3 – Emissions and monitoring

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

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on site plan in Schedule 7]	Exhaust emission from LPG fuelled 8-12kW heat input range boiler	No parameters set	No limits set	-	No monitoring required	-
A2 [Point A2 on site plan in Schedule 7]	Pressure Relief Valve (emergency use) for distillation process	No parameters set	No limits set	-	No monitoring required	-
A3 [Point A3 on site plan in Schedule 7]	Venting area of inert air gases: N ₂ , O ₂ , Ar, He, CO ₂ from cylinder outlet	No parameters set	No limits set	-	No monitoring required	-

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Soakaway [‘Soakaway’ on site plant CGS-DWG-016D in Schedule 7]	Uncontaminated rainwater from the yard area and roof drainage via interceptor	No parameters set	No limits set	Every inspection	As required	Visual inspection

Schedule 4 (a) – Reporting until 16 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
No monitoring specified	-	-	-

Table S4.2: Annual waste disposal / treatment

Parameter	Units
Chlorofluorocarbons (CFCs), Hydrochloro fluorocarbons (HCFCs) and Hydrofluorocarbons (HFCs)	tonnes
Inorganic gases speciated	tonnes
Organic gases speciated	tonnes
Metallic packaging	tonnes
Tonnes of oil recovered	tonnes
Total amount of SF6 recovered	tonnes

Schedule 4 (b) – Reporting effective from 17 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
No monitoring specified	-	-	-

Table S4.2: Annual production/treatment

Parameter	Units
Chlorofluorocarbons (CFCs), Hydrochloro fluorocarbons (HCFCs) and Hydrofluorocarbons (HFCs)	tonnes
Inorganic gases speciated	tonnes
Organic gases speciated	tonnes
Metallic packaging	tonnes
Total amount of waste treated	tonnes
Tonnes of oil recovered	tonnes
Total amount of SF6 recovered	tonnes

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Generation of residues	Annually	tonnes
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
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	17/08/2022
Energy usage	Form energy 1 or other form as agreed in writing by Natural Resources Wales	17/08/2022
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	03/03/2022
Other performance indicators	Form 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	
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.

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

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

“emissions to land” includes emissions to groundwater.

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

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

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

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

“hazardous waste” has the meaning given in the Hazardous Waste (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

“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.

“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.

‘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

“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

“year” means calendar year ending 31 December.

Schedule 7 - Site plan

