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Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

**Welsh Water Organic Energy (Cardiff)
Limited**

**Tremorfa Anaerobic Digestion Facility
Tide Fields Road
Tremorfa
Cardiff
CF24 5SB**

Permit number

EPR/AB3093CA

Tremorfa Anaerobic Digestion Facility

Permit number EPR/AB3093CA

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 the activities listed to be carried out at a 2MWe Food Waste Anaerobic Digestion (AD) Facility at Tides Fields Road, Tremorfa. The AD facility is designed to process material from the food chain and contribute to the diversion of food wastes from landfill. The facility will also generate 2MWe of green electricity and produce nitrate and potash rich digestate for use by local agricultural enterprises in replacement of manufactured fertiliser. The AD facility will primarily process collected municipal food waste with an element of commercial food waste to ensure throughput efficiency. Waste processed will predominantly come from homes and businesses in the Cardiff and Vale of Glamorgan areas. The AD process at this facility will involve the following components:

- Waste reception;
- Waste de-packaging;
- Waste storage;
- Anaerobic digestion;
- Digestate pasteurisation and storage;
- Biogas storage and;
- Biofilter;

Resultant biogas is used to generate electricity and heat in a combined heat and power (CHP) plant. Heat generated from the CHP engine is used to maintain the working temperature needed for the anaerobic digestion process. A back up 1.53 MWth biogas boiler plant (subject to medium combustion plant directive as a new limited operating hours medium combustion plant) will be used when the CHP is down due to maintenance or servicing. An emergency flare is available for any excess biogas if needed.

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 EPR/KP3033VY/A001	Duly made 24/09/2015	Application for a Food Waste Anaerobic Digestion Facility
Permit determined EPR/AB3093CA	25/01/2016	Permit issued to Kelda Organic Energy (Cardiff) Limited
Notification of variation EPR/AB3093CA/V002	30/01/2019	Update the company name and registered office address
Variation Issued EPR/AB3093CA/V002	09/04/2019	Varied permit issued to Welsh Water Organic Energy (Cardiff) Limited

Regulation 61 Notice sent to the Operator	04/04/2019	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 Notice response	27/09/2019	Response received from the operator
Additional information received	02/03/2020	Clarifications provided to sections 1, 2, 3 and 5 of Reg 61 Notice
NRW initiated variation determined EPR/AB3093CA/V003	20/04/2021	Varied and consolidated permit issued in modern condition format
Variation application PAN-025645 (EPR/AB3093CA/V004)	Duly Made 04/12/2024	Variation to add a backup biogas boiler, amendment to sewer discharge and addition of waste code 02 02 04
Additional information	10/03/2025	Update on the status of sewer discharge
Variation Issued EPR/AB3093CA/V004	14/04/2025	Variation Issued to Welsh Water Organic Energy (Cardiff) Limited

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/AB3093CA

This is the consolidated permit referred to in the variation and consolidation notice for application **EPR/AB3093CA/V004** authorising,

Welsh Water Organic Energy (Cardiff) Limited (“the operator”),

whose registered office is

**Dŵr Cymru Welsh Water Linea
Fortran Road
St. Mellons
Cardiff
CF3 0LT**

Company registration number **08356859**

to operate an installation at

**Tremorfa Anaerobic Digestion Facility
Tide Fields Road
Tremorfa
Cardiff
CF24 5SB**

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

Name

Date

Holly Noble

14/04/2025

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 For the following activities referenced in schedule 1, table S1.1 (A1 to A4), 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) For the following activities referenced in schedule 1, table S1.1 (A1 to A4) 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 For the following activities referenced in schedule 1, table S1.1 (A5) the activities shall be operated using the techniques and, in the manner, described in schedule 1, table S1.2A.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
 - (a) it is of a type and quantity listed in schedule 2 table S2.2; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.

- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by Natural Resources Wales.
- 2.4.2 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.

2.5 Pre-operational conditions

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 have been completed.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Where a substance is specified in schedule 3 table S3.2 but no limit is set for it, the concentration of such substance in emissions to water from the relevant emission point shall be no greater than the background concentration.
- 3.1.4 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.
- 3.1.5 For the following activities referenced in schedule 1, table S1.1 (A5) Limited Operating Hours MCPs shall:
- (a) not exceed 500 hours operation in a 12-month period as a rolling average over a 3-year period for new MCP, and thereafter assessed annually.
 - (b) not exceed 500 hours operation in a 12-month period as a rolling average over a 5-year period for existing MCP, and thereafter assessed annually.
 - (c) Not operate for more than 750 hours in any single year

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;
 - (b) process monitoring specified in table S3.3; and
 - (c) bioaerosol monitoring specified in table S3.4.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by 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.
- 3.5.5. For the following activities referenced in schedule 1, table S1.1 (A5), monitoring shall not take place during periods of start up or shut down
- 3.5.6. For the following activities referenced in schedule 1, table S1.1 (A5) the operator shall maintain records of all monitoring including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, test and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.7. For the following activities referenced in schedule 1, table S1.1 (A5) the first monitoring measurements shall be carried out.
 - (a) For new MCP within four months of the issue date of the permit or the date when the MCP is first put into operation, whichever is later; and
 - (b) For existing MCP at any time but no later than 4 months after the relevant compliance date

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.
- 4.1.3 For the following activities referenced in schedule 1, table S1.1 (A5) the operator shall maintain a record of the type and quantity of fuel used and the total annual hours of operation for each MCP and/or Specified Generator
- 4.1.4 For the following activities referenced in schedule 1, table S1.1 (A5), the operator shall maintain a record of any events of non-compliance and the measures taken to ensure compliance is restored in the shortest possible time

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	S5.4 Part A (1)(b)(i)	<p>Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day (or 100 tonnes per day if the only treatment is anaerobic digestion) by biological treatment</p> <p>R1: Use principally as a fuel or other means to generate energy</p> <p>R3: Recycling. Reclamation of organic substances which are not used as solvents (including composting and other biological / transformation processes)</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced)</p>	<p>The Anaerobic Digestion process will include the following key components:</p> <ul style="list-style-type: none"> • Waste reception; • Waste de-packaging; • Waste Storage; • Anaerobic Digestion; • Digestate pasteurisation and storage; • Biogas storage; • Biofilter; and • Energy recovery and power distribution <p>Waste acceptance and pre-treatment will take place within an enclosed building</p> <p>The waste reception building will be provided with fast acting roller shutter doors for access and egress to aid the creation of negative air pressure conditions</p> <p>Bulking and mixing will only take place under instruction from appropriately trained personnel</p> <p>Exhaust air from the processing/separating and storage areas will pass through abatement prior to discharge to the atmosphere</p> <p>Activities shall be carried out on an impermeable surface with a sealed drainage system</p> <p>Where separated fractions do not meet the PAS 110 Quality Protocol, they will continue to be treated as a waste and the procedures for the storage of wastes will be followed</p> <p>Waste types as specified in Table 2.2.</p>
Directly Associated Activity			
A2	Combined heat and power (CHP) Plant	R11: use of waste obtained from any of the waste listed R1 to R10	CHP engine shall be sized at 2MWe

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
A3	Emergency Flare	D10: incineration of land.	The flare is enclosed and shall burn collected biogas when the CHP plant is unavailable. The enclosed biogas flare has a minimum residence of 0.3 seconds at 1,000°C
A4	Waste Storage	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced) R3: Recycling. Reclamation of organic substances which are not used as solvents	All storage tanks will be designed fit for purpose and fully quality assured and tested for leakage prior to commissioning. Procedures will be in place for the regular inspection and maintenance of storage areas with any repairs being undertaken as soon as is practicable. Liquid levels within all storage tanks will be continuously monitored by pressure sensors which will alert the operator to high levels and operate interlocks. Digestate will be stored within covered tanks which are of a design and capacity fit for purpose. Digestate will be stored in a manner which minimises odour and risk to pollution.

Medium Combustion Plant

Activity reference	Activity listed in the EP Regulations	Description of Medium Combustion Plant	Fuel	Operating hours limit per year
A5	Schedule 25A - Medium Combustion Plant (new)	1 x 1.53 MWth back-up biogas boiler	Gaseous fuels other than natural gas	Operating hours limited as per condition 3.1.5 .

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	Response to Part B3 of the application, section 3a – technical standards	16/06/2015
Response to POM1	Response to POM1 site drainage plan for foul and surface water: <ul style="list-style-type: none"> 13175_105 Rev 7 - Engineering Layout Plan 	28/10/2016

Table S1.2 Operating techniques

Description	Parts	Date Received
Response to regulation 61(1) Notice – request for information dated 04/04/2019 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	Response to Regulation 61 Notice for Waste Treatment - Tremorfa Food Waste Plant BAT Conclusion Notice	27/09/2019
Additional Information to regulation 61(1) Notice – request for information dated 19/12/2019	Additional information received. Clarifications provided to sections 1, 2, 3 and 5 of Reg 61 Notice : - Tremorfa Food Waste AD S61 Response letter - Copy of WT BREF Spreadsheet Guidance TREMORFA FOOD WASTE - Cardiff Food Waste AD Opra-Installations-2019	02/03/2020
Agreed written methodology for meeting the process parameters listed in Schedule 3b Table S3.3	All relevant section	In line with IC1 BAT 38
Variation application	-Odour Management Plan	07/05/2024

Table S1.2A Operating techniques for Medium Combustion Plant as detailed in Schedule 8

Description
Each MCP must be operated in accordance with the manufacturer's instructions and records must be made and retained to demonstrate this
The operator must keep periods of start-up and shut-down of each MCP as short as possible
There must be no persistent emission of 'dark smoke' as defined in section 3(1) of the Clean Air Act 1993
A Limited Operating Hours MCP which is an excluded generator may only be operated for the sole purpose of maintaining power supply to a site during an on-site emergency and it may not participate in any balancing services
A Limited Operating Hours MCP which is an excluded generator may only be operated for the sole purpose of testing no more than 50 hours per year

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	In accordance with the requirements set out within BAT 3 of the Waste Treatment BREF Document (EU 2018), the operator shall submit for approval in writing by Natural Resources Wales, a screening assessment considering channelled emissions to air from the biofilter (open and closed biofilters), and confirm if sources are within 250 metres of a sensitive receptor in accordance with 'M9: environmental monitoring of bioaerosols at regulated facilities'.	Completed
IC2	Upon completion of IC1, if confirmed that there are nearest sensitive receptors within 250 meters of sources of bioaerosol emissions, the Operator is required to complete and submit for approval in writing by Natural Resources Wales a site specific bioaerosol risk assessment (SSBRA)	Completed
IC3	<p>The operator shall submit to Natural Resources Wales for approval information to evidence compliance with the following BAT requirements in accordance with requirements specified within BAT Conclusions of the Waste Treatment BREF Document (EU 2018):</p> <ul style="list-style-type: none"> • BAT 1 - Implement and adhere to an environmental management system (EMS) that incorporates all of the following features: <ul style="list-style-type: none"> ○ (VIII) Whole life cycle considerations when designing a new plant; ○ (X) Waste stream management; ○ (XI) Inventory of waste water & waste gas streams; ○ (XII) Residues Management Plan; • BAT 2 In order to improve the overall environmental performance of the plant, BAT is to use all of the techniques described within BAT 2 Table. • BAT 3 In order to facilitate the reduction of emissions to water and air, BAT is to establish and to maintain an inventory of waste water and waste gas streams, as part of the environmental management system (see BAT 1), that incorporates all of the following features: <ul style="list-style-type: none"> ○ information about the characteristics of the waste to be treated and the waste treatment processes; ○ information about the characteristics of the waste water streams; ○ information about the characteristics of the waste gas streams; and ○ This assessment should specifically consider channelled emissions to air from the biofilter and the potential for bioaerosol releases. If your biofilter (open and closed biofilters) is within 250 metres of a sensitive receptor you are required to undertake and submit a site specific bioaerosol risk assessment and any monitoring must be in line with 'M9: environmental monitoring of bioaerosols at regulated facilities'. • BAT 5 In order to reduce the environmental risk associated with the handling and transfer of waste, BAT is to set up and implement handling and transfer procedures. • BAT 6 For relevant emissions to water as identified by the inventory of waste water streams (see BAT 3), BAT is to monitor key process parameters (e.g. waste water flow, pH, temperature, conductivity, BOD) at key locations (e.g. at the inlet and/or outlet of the pre-treatment, at the inlet to the final treatment, at the point where the emission leaves the installation). 	Completed

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
	<ul style="list-style-type: none"> BAT 7 BAT is to monitor emissions to water with at least the frequency given within BAT 7 Table, and in accordance with EN standards. If EN standards are not available, BAT is to use ISO, national or other international standards that ensure the provision of data of an equivalent scientific quality. BAT 14 In order to prevent or, where that is not practicable, to reduce diffuse emissions to air, in particular of dust, organic compounds and odour, BAT is to use an appropriate combination of the techniques described within BAT 14 Table. BAT 19 In order to optimise water consumption, to reduce the volume of waste water generated and to prevent or, where that is not practicable, to reduce emissions to soil and water, BAT is to use an appropriate combination of the techniques described within BAT 19 Table. BAT 20 In order to reduce emissions to water, BAT is to treat waste water using an appropriate combination of the techniques described within BAT 20 Table. BAT 21 In order to prevent or limit the environmental consequences of accidents and incidents, BAT is to use all of the techniques described within BAT 21 Table. BAT 22 In order to use materials efficiently, BAT is to substitute materials with waste. BAT 23 Energy Efficiency Plan and Energy Balance Record. BAT 24 Maximise the reuse of packaging as part of a Residues Management Plan. BAT 33 In order to reduce odour emissions and to improve the overall environmental performance, by selecting the waste input (to ensure its suitability for biological treatment). BAT 35 In order to reduce the generation of waste water and to reduce water usage, BAT is to use all of the techniques described within BAT 35 Table. BAT 38 Reduce emissions to air and to improve the overall environmental performance. The Operator shall submit for written approval a methodology for meeting the process parameters listed in Schedule 3b Table S3.3, as per BAT 38 for the anaerobic treatment of waste. The methodology shall identify each of the process parameters and detail the frequency and techniques in place to record the data. Where a process parameter cannot be monitored justification should be provided and/or a suitable alternative proposed. The methodology should include trigger levels for each of the parameters with associated procedures in place if trigger levels are exceeded. 	
IC4	<p>The Operator shall complete and submit a Phase 1 screening test report for priority hazardous pollutants and any other relevant priority hazardous substances discharged to sewer.</p> <p>For any substance which is not screened out by the screening tests, further modelling (as described in the risk assessment guidance "Surface water pollution risk assessment for your environmental permit") should be undertaken, and the results of the modelling submitted to NRW for approval.</p>	<p>17 February 2022 or otherwise agreed in writing with Natural Resources Wales</p>

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
	The Operator shall submit for written approval a methodology for the appropriate monitoring requirements for discharges to sewer. Where a process parameter cannot be monitored justification should be provided and/or a suitable alternative proposed. The methodology should include trigger levels for each of the parameters with associated procedures in place if trigger levels are exceeded.	
IC5	The operator shall submit to Natural Resources Wales for approval an updated Site Boundary and Layout Plan clearly showing all points source emissions from the site.	Completed

Table S1.4 Pre-operational measures

Reference	Pre-operational measures
POM 1	The operator shall submit a map confirming the surface water and foul water drainage scheme and all applicable consents for discharge to the surface water sewer and foul water sewer prior to operation.

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 AD Plant

Maximum quantity	The total annual throughput must not exceed 35,000 tonnes per annum
Waste code	Description
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 01	Sludges from washing and cleaning
02 01 02	Animal-tissue waste
02 01 03	Plant-tissue waste
02 01 06	Animal faeces, urine and manure (Inc. spoiled straw), effluent, collected separately and treated off-site
02 01 99	Wastes not otherwise specified – residues from commercial mushroom cultivation
02 02	Wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 01	Sludges from washing and cleaning
02 02 02	Animal-tissue waste
02 02 03	Materials unsuitable for consumption or processing
02 02 04	Sludges from on-site effluent treatment
02 02 99	Wastes not otherwise specified - Sludge's from gelatine production and animal gut contents
02 03	Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea, tobacco preparation and processing, conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	Sludge's from washing, cleaning peeling, centrifuging and separation
02 03 02	Wastes from preserving agents
02 03 04	Materials unsuitable for consumption or processing
02 03 05	Sludge's from on-site effluent treatment
02 04	Wastes from sugar processing
02 04 03	Sludge's from on-site effluent treatment
02 04 99	Wastes not otherwise specified – other biodegradable wastes
02 05	Wastes from the dairy product industry
02 05 01	Materials unsuitable for consumption or processing
02 05 02	Sludge's from on-site effluent treatment
02 06	Wastes from the baking and confectionary industry
02 06 01	Materials unsuitable for consumption or processing
02 06 02	Wastes from preserving agents
02 06 03	Sludge's from on-site effluent treatment
02 07	Wastes from the production of alcoholic and non-alcoholic beverages (except tea, coffee and cocoa)
02 07 01	Wastes from washing, cleaning and mechanical reduction for raw materials

Table S2.2 Permitted waste types and quantities for AD Plant

Maximum quantity	The total annual throughput must not exceed 35,000 tonnes per annum
Waste code	Description
02 07 02	Wastes from spirits distillation
02 07 04	Materials unsuitable for consumption or processing
02 07 05	Sludges from on-site effluent treatment
02 07 99	Wastes not otherwise specified – (Malt husks, malt sprouts, malt dust, spent and sludge from breweries, sludge from wine making, yeast and yeast like residues)
19	Waste from waste management facilities, offsite waste water treatment plant and the preparation of water intended for human consumption and water for industry use
19 06	Wastes from anaerobic treatment of waste
19 06 03	Liquor from anaerobic treatment of municipal waste
19 06 04	Digestate from anaerobic treatment of municipal waste
19 06 05	Liquor from anaerobic treatment of animal and vegetable waste
19 06 06	Digestate from anaerobic treatment of animal and vegetable waste
19 08	Wastes from waste water treatment plants not otherwise specified
19 08 09	Grease and oil mixture from oil/water separation containing edible oils and fats
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 08	Biodegradable kitchen and canteen waste
20 01 25	Edible oil and fat
20 03	Other municipal wastes
20 03 01	Mixed municipal wastes
20 03 02	Waste from markets - allowed only if source segregated biodegradable fractions e.g. plant material, fruit and vegetables

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]	Bio Filter Outlets	Hydrogen Sulphide	No limit set	To be agreed with NRW following completion of IC1 & IC2	Every 6 months	US EPA Method 11 (Impinger method) or CEN TS 13649 (Charcoal tube), US EPA Method 15
		Ammonia (NH ₃)	20 mg/m ³			BS EN 14791
		Odour	1000 ouE/Nm ³			BS EN 13725
A2 [Point A2 on site plan in Schedule 7]	CHP Engine Stack (Note1)	NO _x	500mg/m ³	Hourly Mean	Annual	BS EN 14792
		SO ₂	350mg/m ³			BS EN 14791
		PM ₁₀	No limit set			BS EN 13284
		Total VOC's	1000mg/m ³			BS EN 12619 or 13526 depending on concentration
		CO	1400mg/m ³			BS EN 15058
A3 [Point A3 on site plan in schedule 7]	Fermenter 1 Pressure Relief Valve	No parameter set	No limit set	-	-	-
A4 [Point A4 on site plan in schedule 7]	Fermenter 2 Pressure Relief Valve	No parameter set	No limit set	-	-	-
A5 [Point A5 on site plan in schedule 7]	Auxiliary Flare Stack (Note 2)	NO _x	No limit set	-	-	-
		CO				
A6 [Point A6 on site plan in schedule 7]	medium combustion plant – back-up biogas boiler	CO	No Limit Set	Periodic	After 3 times the maximum average annual operating hours have elapsed And no less frequent than every 5 years	In line with web guide: Monitoring stack emissions: low risk MCPs
Note 1: These limits are based on normal operating conditions and load temperature 0°C (273K); 101.3kPa and oxygen: 5 per cent (dry gas). The measurement uncertainty specified in LFTGN08 v2 2010 shall apply						
Note 2: Monitoring to be undertaken in the event the emergency flare has been operational for more than 10 per cent of a year (876 hours). Record of operating hours to be submitted to NRW annually						

Table S3.2 Point Source emissions to sewer, effluent treatment plant or other transfers off-site emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
S1 Surface water public sewers within Martin Road	Clean, uncontaminated surface water collected in bund sump and storm water inspection chambers	Inspection for oil and grease	None observed	N/a	Monthly	-
		Ammoniacal Nitrogen (mg/l)	No Limit	Spot Sample	Quarterly	BS EN ISO 17732
S2 Sewer within Martin Road	Waste water discharge from sump	Flow	No limit set	-	-	-
		Subject to outcome of IC4	IC4	-	-	-

Table S3.3 Process monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Biofilter	Temperature	To be agreed with NRW	Temperature Probe	Biofilter shall be regularly checked and maintained to ensure appropriate temperature and moisture content
	Moisture		None Specified	
	Thatching / compaction		None Specified	
Digester Feed	pH	To be agreed with NRW	To be agreed with NRW	Subject to approved methodology in improvement condition IC3 BAT 38 and as agreed with NRW
	Alkalinity			
	Hydraulic and organic loading rates			
Biogas from digesters	Flow	Continuous	In accordance with EU weights and measuring regulations	-
	Methane		None Specified	-
	Hydrogen Sulphide			
	Carbon Dioxide	To be agreed with NRW	To be agreed with NRW	Subject to approved methodology in improvement condition IC3 BAT 38 and as agreed with NRW
	Quantity			
	Pressure			
	Composition			

Table S3.3 Process monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Digesters, storage tanks and waste reception building	Odour	Daily	Olfactory Monitoring	Odour detection at site boundary
	Operating temperature	To be agreed with NRW	To be agreed with NRW	Subject to approved methodology in improvement condition IC3 BAT 38 and as agreed with NRW
	Liquid and foam levels			
	Concentration of ammonia			
	Concentration of VFAs			
	Alkalinity			
	FOS/TAC ratio (VFA/TA)			
	pH			
Digestate	Concentration of VFAs			
	Ammonia			

Table S3.4 Bioaerosol monitoring requirements

Location or description of point of measurement	Parameter	Bioaerosol threshold limits CFU m ⁻³	Monitoring frequency	Monitoring standard or method	Other specifications
Bioaerosols shall be monitored: - upwind of the site and - downwind of the site; in accordance with "M9 – Technical Guidance Note (Monitoring) – Environmental monitoring of bioaerosols at regulated facilities, 2018 Version 2".	Total bacteria	1000	Quarterly unless otherwise agreed with NRW	In accordance with "M9 – Technical Guidance Note (Monitoring) – Environmental monitoring of bioaerosols at regulated facilities, 2018 Version 2" together with the Environment Agency's "Guidance on the evaluation of bioaerosol risk assessments for composting facilities"	Monitoring requirements to be agreed within NRW subject to completion of IC1 and IC2
	Aspergillus Fumigatus	500			

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	A2 & A5 ^(Note 1)	Every 12 months	1 January
Parameters as required by condition 3.5.1	A1	Every 12 months	1 January

Note 1: Monitoring to be undertaken in the event the emergency flare has been operational for more than 10 per cent of a year (876 hours). Record of operating hours to be submitted to NRW annually

Table S4.2: Annual production/treatment

Parameter	Units
Biogas produced by AD facility	m ³
Total amount of waste treated	tonnes

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
Power Output - Electricity	Annually	MWh
Energy Efficiency	Annually	MWh/m ³ biogas
Electrical Energy exported to the grid	Annually	MWh
Electrical Energy drawn from the grid	Annually	MWh
Water Usage	Annually	m ³
Operational time of flare	Annually	% of operational time
Amount of gas sent to the flare	Annually	m ³
Amount of biogas combusted in the CHP unit per day	Annually	m ³ /day
Total raw material used	Annually	Tonnes
Generation of residues	Annually	Tonnes
Generation of waste water	Annually	m ³

Table S4.4 Reporting forms

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by Natural Resources Wales	17/08/2022
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	01/01/2016
Energy usage	Form energy 1 or other form as agreed in writing by Natural Resources Wales	20/04/2021
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	17/08/2022
Bioaerosol monitoring	As specified in the "M9 – Technical Guidance Note (Monitoring) – Environmental monitoring of bioaerosols at regulated facilities, 2018 Version 2" or as agreed in writing by Natural Resources Wales	N/A
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.

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

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

“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).

“Bioaerosol Threshold Limits” means the maximum acceptable bioaerosol concentrations at the nearest sensitive receptor, or at an equivalent distance downwind of the composting operations, which are attributable to the composting operations. The maximum acceptable concentrations are respectively 1000 and 500 CFU m⁻³ for total bacteria and *Aspergillus fumigatus*.

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

“combined heat and power” (CHP) or Cogeneration means the simultaneous generation in one process of thermal energy and electrical or mechanical energy.

“compliance date” means 01/01/2025 for existing MCPs and a tranche A specified generator with net rated thermal input of greater than 5MW or 01/01/2030 for existing MCPs and a tranche A specified generator with a net rated thermal input of less than or equal to 5MW

“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.

“existing MCP” means an MCP first put into operation before 20/12/2018.

“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.

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

"limited operating hours MCP" means an MCP that meets the requirements of paragraph 7 (existing MCP) or paragraph 8 (new MCP) of Part 2 of Schedule 25A of the EP Regulations

"MCERTS" means the Environment Agency's Monitoring Certification Scheme.

"medium combustion plant" or *"MCP"* means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW.

"Medium Combustion Plant Directive" or *"MCPD"* means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants.

"new MCP" means an MCP first put into operation on or after 20/12/2018.

"Nearest sensitive receptor" means the nearest place to the permitted activities where people are likely to be for prolonged periods. This term would therefore apply to dwellings (including any associated gardens) and to many types of workplaces. We would not normally regard a place where people are likely to be present for less than 6 hours at one time as being a sensitive receptor. The term does not apply to those controlling the permitted facility, their staff when they are at work or to visitors to the facility, as their health is covered by Health and Safety at Work legislation, but would apply to dwellings occupied by the family of those controlling the facility.

"operating hours" means the time, expressed in hours, during which a combustion plant is operating and discharging emissions into the air, excluding start-up and shut-down periods.

"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.

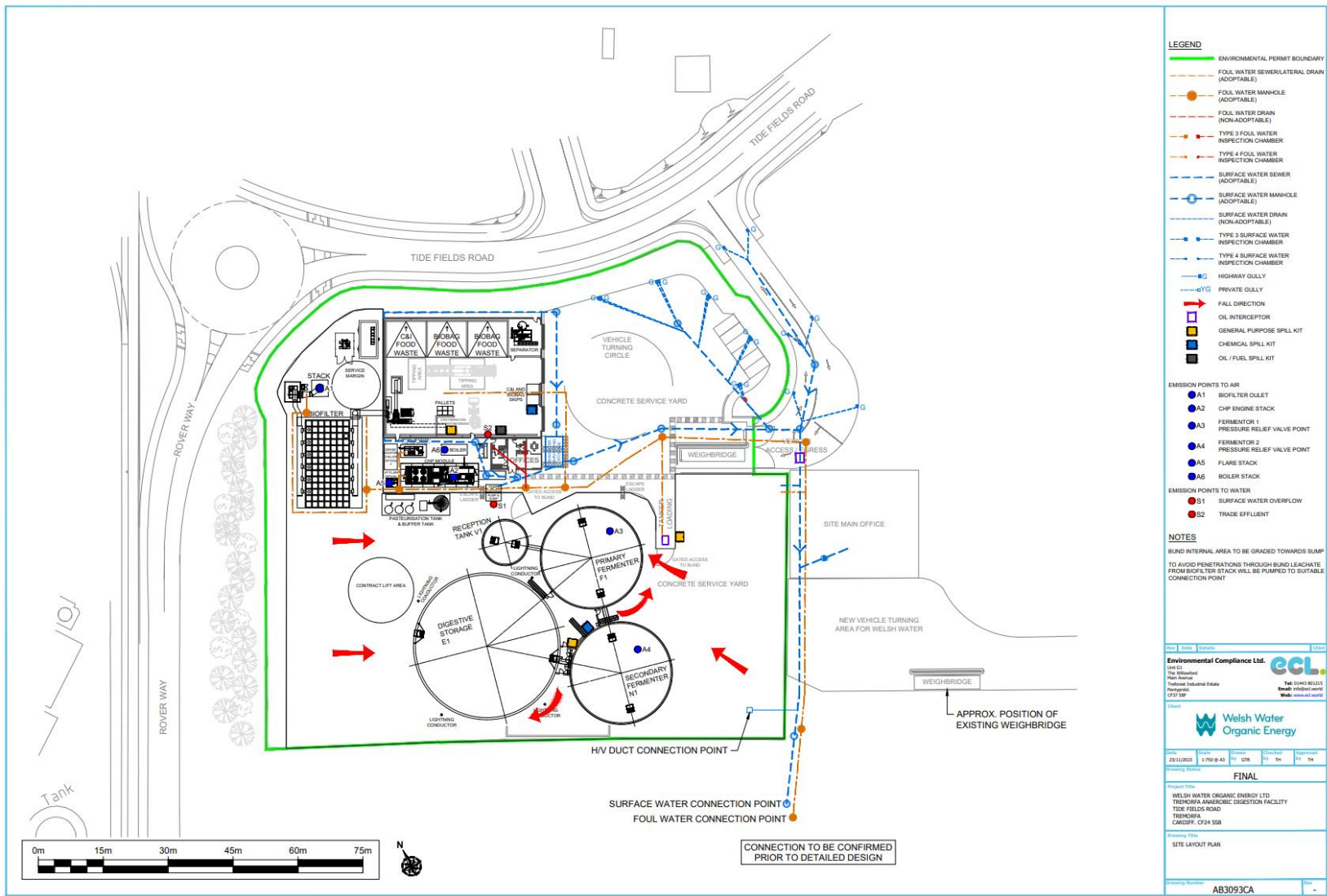
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

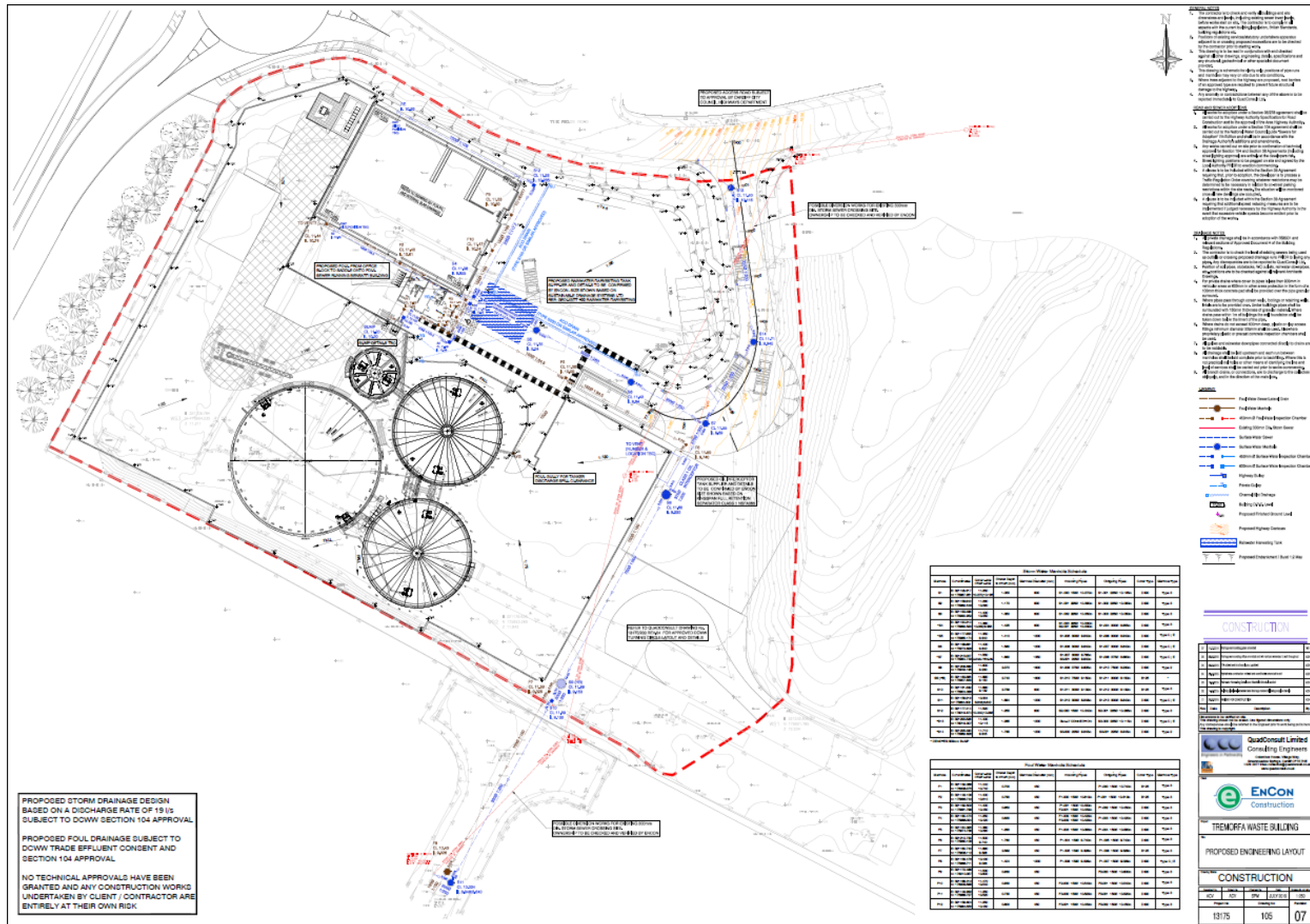
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- (a) 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

- (b) 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





Schedule 8 – Annex I of MCPD

1. Rated thermal input (MW) of the medium combustion plant.	1.53 MWth
2. Type of the medium combustion plant (diesel engine, gas turbine, dual fuel engine, other engine or other medium combustion plant).	Other Medium Combustion Plant
3. Type and share of fuels used according to the fuel categories laid down in Annex II.	Gaseous fuel other than natural gas (100%)
4. Date of the start of the operation of the medium combustion plant or, where the exact date of the start of the operation is unknown, proof of the fact that the operation started before 20 December 2018.	MCP moved to site after 20/12/2018 and classed as new
5. Sector of activity of the medium combustion plant or the facility in which it is applied (NACE code).	E 38.2.1 - Treatment and disposal of Non-Hazardous Waste
6. Expected number of annual operating hours of the medium combustion plant and average load in use.	Less than 500 hours (100%)
7. Where the option of exemption under Article 6(3) or Article 6(8) is used, a declaration signed by the operator that the medium combustion plant will not be operated more than the number of hours referred to in those paragraphs.	Yes
8. Name and registered office of the operator and, in the case of stationary medium combustion plants, the address where the plant is located.	<p>Registered Office Address Dŵr Cymru Welsh Water Linea Fortran Road St. Mellons Cardiff CF3 0LT</p> <p>MCP location Tremorfa Anaerobic Digestion Facility Tide Fields Road Tremorfa Cardiff CF24 5SB</p>

END OF PERMIT