Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Green Mountain DC UK Limited

Romford North Data Centre
3 King George Close
Eastern Avenue
Romford
RM7 7PN

Variation application number

EPR/FP3630EU/V002

Permit number

EPR/FP3630EU

Romford North Data Centre
Permit number EPR/FP3630EU

Introductory note

This introductory note does not form a part of the notice

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

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

This variation permits the operation of 8 new gas oil/ hydrogenated vegetable oil (HVO) powered electricity generators which provide back-up power for the operation of the digital data centre. Each generator is fitted with selective catalytic reduction (SCR) abatement to reduce NOx emissions and incorporate bunded belly tanks for gas oil storage.

The permit has also been reviewed against the requirements of the Medium Combustion Plant Directive (MCPD) for 2025 (and 2030) and relevant conditions and monitoring requirements have been added.

The main features of the permit are as follows.

This activity comprises a series of 15 gas oil/ HVO powered electricity generators and 2 emergency diesel rotary uninterruptible power supply (DRUPS) engines which provide back-up power for the operation of a digital data centre; the provision of alternative power supplies is a requirement of high-resilience data centres. The total aggregated theoretical input thermal capacity of the installation is 113MWth, which is above the threshold of 50 MWth prescribed under Schedule 1, Section 1.1 Part A(1)(a) Combustion activities. There is also a 200kW emergency lighting gas oil generator.

The generators are arranged in phases, which correspond with the development of the data centre itself. No export of power is permitted; the generators are required only for providing power in the event of a failure of two separate connections to the electricity grid. There are a total of 15 emergency standby generators and 2 emergency diesel rotary uninterruptible power supply (DRUPS) engines. Two in phase III, two in phase IV, five in phase V and eight in phase VI. The phase VI generators will be fitted with selective catalytic reduction (SCR) abatement to reduce NOx emissions to 190mg/m3 (at 15% O_2).

The generators are housed within buildings. Each generator has an emission point to air, comprising upward-facing exhausts mounted on top of the generator, giving an effective stack height of 1m above the building.

For the Phase III, IV and V generators gas oil will be stored in a series of 8 storage tanks, with a combined capacity of 507,000 litres. Four of the tanks are double-skinned and located within buildings, with the remaining 4 comprising double-skinned units located in sealed, concrete underground chambers fitted with leak detection. The Phase VI generators have bunded belly tanks with a combined storage capacity of 356,368 litres.

There will be no emissions to surface water or the public sewer from the installation, and waste arisings are expected to be minor, comprising materials associated with cleaning and maintenance activities. Polishing of stored fuel will be undertaken in order to reduce the risk of contamination and therefore wastage.

The data centre comprises a former warehouse and external areas are covered with hardstanding. The site is surrounded by residential properties to the north and east and industrial properties to the south and west. The River Rom runs in a northwesterly to southeasterly direction approximately 80 m to the southwest.

The nearest SSSI is located approximately 4km to the northwest, whilst the nearest European site is Epping Forest, 9.5 km to the west and northwest.

The operator implements an EMS to manage the potential environmental risks associated with the facility.

The schedules specify the changes made to the permit.

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/FP3630EU/A001	Duly made 10/12/14	Application for >50MW thermal input back up generator installation.
Additional information received	27/01/15	Confirmation of details of underground storage tanks and extent of information regarding ground conditions.
Additional information received	27/03/15	Modelling of additional air quality parameters.
Permit determined EPR/FP3630EU	21/04/15	Permit issued to ISDC Developments (No2) Limited. (Name changed to Green Mountain DC UK Limited on 25/03/2025).
Application EPR/FP3630EU/V002 (variation and consolidation)	Duly made 16/09/2024	Application to add 8 new generators. The variation also updates the permit to modern conditions.
Variation determined and consolidation issued EPR/FP3630EU	19/02/2026	Varied and consolidated permit

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

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

Permit number

EPR/FP3630EU

Issued to

Green Mountain DC UK Limited (“the operator”)

whose registered office is

1 Bow Churchyard
London
United Kingdom
EC4M 9DQ

company registration number 06501672

to operate a regulated facility at

Romford North Data Centre
3 King George Close
Eastern Avenue
Romford
RM7 7PN

to the extent set out in the schedules.

The notice shall take effect from 19/02/2026

Name	Date
Daniel Timney	**19/02/2026**

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/FP3630EU

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FP3630EU/V002 authorising,

Green Mountain DC UK Limited ("the operator"),

whose registered office is

1 Bow Churchyard
London
United Kingdom
EC4M 9DQ

company registration number 06501672

to operate an installation at

Romford North Data Centre
3 King George Close
Eastern Avenue
Romford
RM7 7PN

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

Name	Date
Daniel Timney	**19/02/2026**

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

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

(b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

1.2 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").

2.2 The site

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

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan , and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 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 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.

2.3.6 The activities shall not operate for more than 500 hours in emergency use per annum.

2.3.7 The operator must keep periods of start-up and shut down of the combustion plant as short as possible.

2.3.8 There shall be no persistent emission of 'dark smoke' as defined in section 3(1) of the Clean Air Act 1993.

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 the Environment Agency.

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

2.5 Pre-operational conditions

2.5.1 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table 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, S3.2 and S3.3.

3.1.2 The limits given in schedule 3 shall not be exceeded.

3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

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

3.2.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;

(b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

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

3.3.2 The operator shall:

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

3.4 Noise and vibration

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

3.4.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

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

(a) point source emissions specified in tables S3.1 and S3.2; and

(b) process monitoring specified in table S3.3.

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

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

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

3.5.5 The first monitoring measurements shall be carried out:

(a) 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) at any time for existing MCPs, but no later than the relevant compliance date.

3.5.6 Monitoring of MCP shall not take place during periods of start-up or shut down.

3.6 Pests

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

(a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;

(b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

(a) be legible;

(b) be made as soon as reasonably practicable;

(c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and

(d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:

(i) off-site environmental effects; and

(ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.1.3 The operator shall maintain a record of the type and quantity of fuel used and the total annual operating hours for each MCP.

4.2 Reporting

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

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

(a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;

(b) the performance parameters set out in schedule 4 table S4.2 using the forms specified in table S4.2 of that schedule;

(c) where conditions 2.3.6 applies, the hours of operation in any year.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

(a) in respect of the parameters and emission points specified in schedule 4 table S4.1;

(b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and

(c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

4.3.1 In the event:

(a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—

(i) inform the Environment Agency,

(ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and

(iii) take the measures necessary to prevent further possible incidents or accidents;

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

(i) inform the Environment Agency, and

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

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

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

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

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

(a) any change in the operator's trading name, registered name or registered office address; and

(b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

(c) any change in the operator's name or address; and

(d) any steps taken with a view to the dissolution of the operator.

In any other case:

(e) the death of any of the named operators (where the operator consists of more than one named individual);

(f) any change in the operator's name(s) or address(es); and

(g) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

(a) the Environment Agency shall be notified at least 14 days before making the change; and

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

4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

(a) a decision by the Secretary of State not to re-certify the agreement;

(b) a decision by either the operator or the Secretary of State to terminate the agreement; and

(c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "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**	**Limits of specified activity**
AR1	Section 1.1 Part A1(a) Burning any fuel in an appliance with a rated thermal input of 50 or more megawatts	Operation of 15 emergency standby diesel generators and 2 emergency diesel rotary uninterruptible power supply (DRUPS) engines with a total thermal input of approximately 113 MWth. The generators will burn gas oil, Hydrotreated Vegetable Oil (HVO) or equivalent substitute agreed in writing with the Environment Agency solely for the purpose of providing electricity to the installation in the event of a failure of supply from the National Grid and during maintenance testing. 2 x 6.14 MWth SDMO X3300C - Existing MCP (Phase III) 2 x 4.51 MWth EuroDiesel X2200C (DRUPS) - Existing MCP (Phase IV) 5 x 6.57 MWth Broadcrown BCMU 3050P-50 - Existing MCP (Phase V) 8 x 7.4 MWth Rolls Royce DS3600 - New MCP (Phase VI)	From receipt of raw materials and generation of electricity to despatch of waste. Including selective catalytic reduction (SCR) systems fitted to emission points EP10 to EP17 Electricity produced at the installation cannot be exported to the National Grid. The emergency operational hours of the installation shall not exceed the specifications set out in condition 2.3.6 of this permit. Testing of generators/DRUPS shall not be carried out for longer than 6 hours in any 24-hour period. No testing of any generators/DRUPS shall be carried out within the same 24-hour period as the monthly concurrent testing of the Phase V generators.
	Directly Associated Activity		
AR2	Storage of raw materials	From receipt of raw materials to use within the facility	
AR3	Uncontaminated surface water drainage	From input to site drainage system until discharge to surface water sewer (emission point W1).	

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	Sections 4 (H1 Risk Assessment), 6 (Site Operating Procedures), 7 (Site Working Instructions), the proposed Environmental Protection document (reference AZR-EP, dated March 2012), the proposed Pollution Prevention Response Plan (reference AZR-EPa(PPRP), dated May 2011), of the application documents provided in response to section 3a – technical standards – of Part B3 of the application form.	Duly Made 10/12/2014

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Response to Schedule 5 Notice dated 18/02/15	All sections. Revised air dispersion modelling and impact assessment.	27/03/2015
Variation Application EPR/FP3630EU/V002	Response to questions in section 3, 4 and 6 of Part C3 of the application form. Part C2.5 of the Application Form. Supporting documents - Non-technical Summary; Environmental Risk assessment; Best Available Technique Assessment; Acoustic Report; Site Plans.	Duly made 16/09/2024
Variation Application EPR/FP3630EU/V002 Generators maintenance testing schedule	Generators maintenance testing schedule detailed in application document 'Air Quality Dispersion Modelling Assessment at Lon1-East. V5' Report – dated Oct 2025 – Section 3.2.	27/10/2025
Variation Application EPR/FP3630EU/V002 SCR abatement	NOx abatement efficiency for the selective catalytic reduction systems (SCR) fitted to emission points EP10 to E17 detailed in application document 'Best Available Technique Assessment- March 2024'	22/04/2025
Additional Information received via email	Additional information on containment – All parts	11/04/2025
Additional information received via email.	Additional information on testing – All parts	10/07/2025

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	**Air Quality Management Plan (AQMP)** The operator shall produce an updated AQMP in conjunction with the Local Authority outlining response measures to be taken in the event of a grid failure. This must include, but not be limited to, the following considerations: • The response should be tailored to reflect the predicted potential impact indicated by the air dispersion modelling at individual receptors; • Preventative and reactive actions to be implemented to limit the duration of an outage event to less than 50 hours as far as possible; • Specific timescales for response measures; • How local conditions during a grid failure might influence the response required, for example meteorological conditions or time of day; • Contingency for how the response will be carried out in the event scenario i.e. loss of power; • Timescales for continued review of the management plan; and • Addition of indicative air quality monitoring stations around the site to inform on air quality during extended periods of standby generator running including prolonged grid outages. The agreed Air Quality Management Plan shall be submitted to the Environment Agency for approval.	21/08/2026

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC2	**Performance of SCR systems** The operator shall submit a written report to the Environment Agency for assessment and written approval. The report must contain: - Detailed information on the specification of the suitability of the NOx sensors and urea solution dosing to the SCR systems fitted to generators GEN10 to GEN17 in building 4 as included in the permit by variation application EPR/FP3630EU/V002 - Evidence of the initial calibration of the NOx sensors and verification of the levels of unabated and abated NOx emissions upstream and downstream of the SCR system according to a methodology consistent with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 20 March 2024 (formerly known as TGN M5) - Confirmation that the SCR systems achieve the NOx abatement performance stated in the application documents referred to in table S1.2, or a proposal for remedial actions when this is not achieved - A plan to periodically calibrate the NOx sensors and verify the performance of the SCR systems, including the proposed frequencies. The operator must implement the proposals in the report in line with the timescales agreed within the Environment Agency's written approval.	22/05/2026 or as agreed in writing with the Environment Agency
IC3	**Monitoring plan - flue gas monitoring requirements** The operator shall submit a monitoring plan for assessment and written approval by the Environment Agency detailing their proposal for the implementation of the flue gas monitoring requirements specified in table S3.1, in line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5). The plan shall include, but not necessarily be limited to: • When the generators are not fitted with sampling ports, a proposal to install them within the shortest practical timeline; • Details of any relevant safety, cost and operational constraints affecting the monitoring regime, in support of any proposed deviation from the testing regime specified in permit table S3.1.	22/05/2026 or as agreed in writing with the Environment Agency

Table S1.4 Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
1	Operation of the 8 new 7.4MW_{th} gas oil generators.	**Commissioning** At least one month before operation the operator shall submit a commissioning plan to the Environment Agency for assessment and approval. The plan shall provide timescales for the commissioning of the generators and shall demonstrate that the commissioning of the generators is covered within the site's permitted regular testing regime, thereby minimising durations and impacts. When the commissioning is not covered within the site's permitted regular testing regime, the operator shall submit an environmental risk assessment for approval by the Environment Agency, demonstrating that the environmental risks during the commissioning are minimised and remain not significant. The commissioning of the engines shall not begin prior to receiving written approval to the plan and associated environmental risk assessment by the Environment Agency. The plan shall be implemented in accordance with the Environment Agency's written approval.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Gas oil or equivalent substitute to be agreed in writing with the Environment Agency	Sulphur content 0.001% (w/w) max

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**
EP10 – EP17 from generators as shown in Schedule 7	Gas oil generator exhausts (New MCP)	Oxides of nitrogen (NO and NO_2 expressed as NO_2)	No limit set	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)	Every 1500 hours of operation or once every five years (whichever comes first).	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)
		Carbon monoxide	No limit set	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)	Every 1500 hours of operation or once every five years (whichever comes first).	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)
		Sulphur dioxide	No limit set	-	-	-
		Particulates	No limit set	-	-	-
		Ammonia	No limit set	-	-	-

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**
EP3 – EP9 from generators as shown in Schedule 7	Gas Oil generator exhausts (Existing MCP >5MW_{th})	Oxides of nitrogen (NO and NO_2 expressed as NO_2)	No limit set	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)	Every 1500 hours of operation or once every five years (whichever comes first) from date of acceptance of first monitoring measurements under condition 3.5.5 Note 1	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)
		Carbon monoxide	No limit set	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)	Every 1500 hours of operation or once every five years (whichever comes first) from date of acceptance of first monitoring measurements under condition 3.5.5 Note 1	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)
		Sulphur dioxide	No limit set	-	-	-
		Particulates	No limit set	-	-	-

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**
EP1 – EP2 from generators as shown in Schedule 7	Gas Oil generator (DRUPS) exhausts (Existing MCP <5MW_{th})	Oxides of nitrogen (NO and NO_2 expressed as NO_2)	No limit set	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)	Every 1500 hours of operation or once every five years (whichever comes first) from date of acceptance of first monitoring measurements under condition 3.5.5 Note 1 & Note 2	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)
		Carbon monoxide	No limit set	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)	Every 1500 hours of operation or once every five years (whichever comes first) from date of acceptance of first monitoring measurements under condition 3.5.5 Note 1 & Note 2	In line with web guide 'Monitoring stack emissions: low risk MCPs and specified generators' Published 04 June 2024 (formerly known as TGN M5)
		Sulphur dioxide	No limit set	-	-	-
		Particulates	No limit set	-	-	-
Vents associated with bulk gas oil storage tanks	Vents from storage tanks	No parameters set	No limit set	-	-	-
Note 1: In accordance with condition 3.5.5 of this permit. Note 2: Monitoring applies from 01/01/2030, which is the relevant MCPD compliance date.						

Table S3.2 Point Source emissions to sewer – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
W1 on site plan in schedule 7 emission industrial estate drainage network	Uncontaminated surface water runoff	-	-	-	-	-

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**
EP10 – EP17 from generators as shown in Schedule 7	SCR abatement efficiency	Continuous	Continuous reading of NOx sensors fitted to SCR system to manufacturer's specification. Periodic validation according to the plan approved by the Environment Agency in response to Improvement Condition IC2	Minimum abatement of NOx, in accordance with operating techniques in application documents listed in table S1.2

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	**Emission or monitoring point/reference**	**Reporting period**	**Period begins**
Emissions to air Parameters as required by condition 3.5.1.	EP10 to EP17 (New MCP)	Every 1500 hours of operation once or every five years (whichever comes first).	Within four months of the issue date of variation notice (EPR/FP3630EU/V002) or the date when the engine is first put into operation, whichever is later.
Emissions to air Parameters as required by condition 3.5.1.	E1 to EP9 (Existing MCP)	Every 1500 hours of operation once or every five years (whichever comes first)	From date of acceptance of first monitoring measurements under condition 3.5.5 Note 1
Process monitoring Parameters as required by condition 3.5.1	EP10 to EP17	Annually	January
Note 1: For existing MCP sized between 1-5MWth monitoring applies from 01/01/2030, which is the relevant MCPD compliance date.			

Table S4.2 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Gas oil (or equivalent substitute agreed in writing with the Environment Agency) usage	Annually	Tonnes
Generator operation for testing and maintenance	Report to be submitted annually	- Total hours for the site (hours), - Total hours per generator (hours), Total number of runs per generator (quantity and dates) - Number of minutes per run (minutes)
Generator operation during emergency scenario	Within 24 hours if operation commences	- Date and time of grid failure, - Number of generators operating immediately after the failure, - Number of generators operating two hours after failure, - Anticipated duration of the mains supply failure (hours)
Generator operation during emergency scenario	Annually	Total number of runs (quantity), duration of runs (hours)

Table S4.2 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Operation of SCR systems	Annually	- Gas oil usage in each generator fitted with SCR - Readings of NOx sensors - NOx abatement efficiency - Evidence of periodic calibration with frequency specified according to Environment Agency's approval of improvement condition IC2

Table S4.3 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Air	Emissions to Air Reporting Form or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Other performance indicators	Form 'performance 1' or other form as agreed in writing by the Environment Agency	As agreed with the Environment Agency
Generator operation during emergency scenario	Form 'emergency scenario' or other form as agreed in writing by the Environment Agency	As agreed with the Environment Agency
Process monitoring Parameters	As agreed in writing by the Environment Agency in accordance with improvement condition IC2.	As agreed with the Environment Agency

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

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

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

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

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

(c) Notification requirements for the breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

(d) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	

Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

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

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No. 675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

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

“gas oil” includes diesel and is defined in Article 3(19) of the MCPD.

“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.

“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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

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

“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.

“shut-down” is any period where the plant is being returned to a non-operational state.

“start-up” is any period, where the plant has been non-operational, until fuel has been fed to the plant to initiate steady-state conditions.

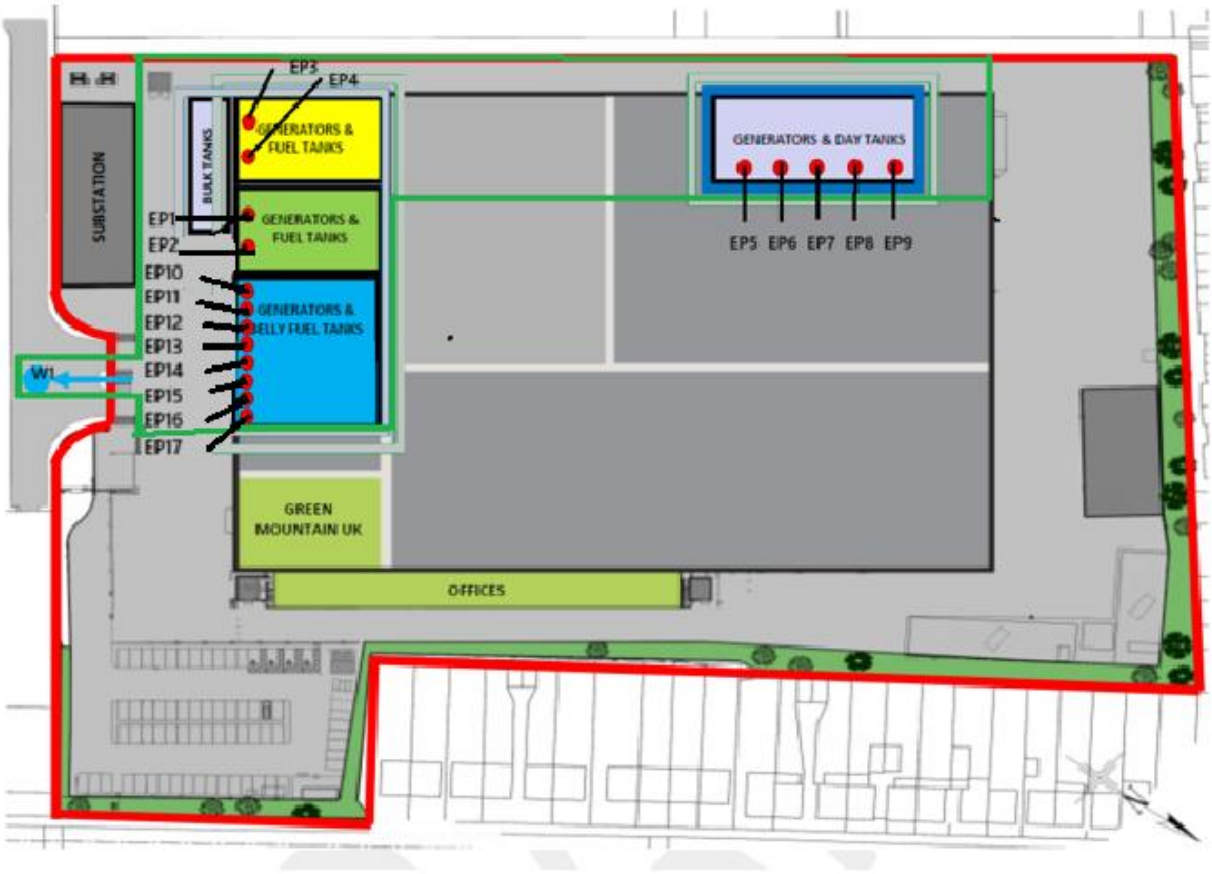
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

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

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



END OF PERMIT