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## **Permit with introductory note**

The Environmental Permitting (England & Wales) Regulations 2016

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**Bartley Power Limited**

**Bartley Power  
Plas Bennion Road  
Ruabon  
LL14 1TP**

Permit number

**EPR/DB3196ZM**

# Bartley Power

## Permit number EPR/DB3196ZM

### Introductory note

#### This introductory note does not form a part of the permit

This permit will allow the operator to operate:

- One Tranche A Specified Generator aggregated to <50MWth at a specified location.

The site at Plas Bennion (operated by Bartley Power Limited) is a specified generator with a thermal input of 47MWth that comprises of 10 X 4.7 MWth medium combustion plants. The combustion units are fired on natural gas using spark ignition. All of the units were in operation before the 20/12/2018 and are therefore classified as existing medium combustion units under the medium combustion plant directive. The site generates electricity to feed into the national grid. The site is located in the semi rural area at Plas Bennion Road near Ruabon.

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

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application PAN-023536 EPR/DB3196ZM/A001	Duly made 12/12/2023	Application for a 47 MWth specified generator
Schedule 5 Additional information received	04/03/2024	Confirmation on start date of MCP and additional information on air quality modelling
Permit determined EPR/DB3196ZM	25/04/2024	Permit issued to Bartley Power Limited

End of introductory note

# Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number  
**EPR/DB3196ZM**

The Natural Resources Body for Wales (“Natural Resources Wales”) authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

**Bartley Power Limited** (“the operator”),  
whose registered office is

**6th Floor St Magnus House  
3 Lower Thames Street  
London  
England  
EC3R 6HD**

company registration number **09343016**

to operate one or more Specified Generators at

**Bartley Power  
Plas Bennion Road  
Ruabon  
LL14 1TP**

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

Signed	Date
<b>Holly Noble</b>	<b>25/04/2024</b>

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, so far as is reasonably practicable, 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.

## 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 only be carried out at the address in this permit where the plant is located.

### 2.3 Operating techniques

- 2.3.1 The activities shall be operated using the techniques and, in the manner, described in schedule 1, table S1.2B.

## 3 Emissions and monitoring

### 3.1 Emissions to air

- 3.1.1 There shall be no point source emissions to air except from the sources and emission points listed in schedule 3, table S3.1
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

### 3.2 Monitoring

- 3.2.1 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, or at a greater frequency if notified to the operator in writing by Natural Resources Wales:
- (a) point source emissions specified in table S3.1
- 3.2.2 Monitoring shall not take place during periods of start up or shut down.

- 3.2.3 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.
- 3.2.4 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme specified in condition 3.2.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, 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.
- 4.1.2 The operator shall maintain convenient access, in either electronic or hard copy, to the records, plans and management system required to be maintained by this permit.
- 4.1.3 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 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 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 S4.2; and
  - (c) giving the information from such results as required by the forms specified in those tables.

### **4.3 Notifications**

- 4.3.1 In the event:
- (a) of a breach of any of the permit conditions 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;
  - (b) of a breach of any of the permit conditions which causes a significant degradation of local air quality, the operator must immediately suspend the operation of the activities or the relevant part of them until compliance with the 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 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:

- (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.

## 4.4 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**

National Grid Reference and or activity reference/ emission point	Activity listed in the EP Regulations	Description of Medium Combustion Plant and/or Specified Generator	Fuel	Operating hours limit per year
Site Centre NGR: SJ 29112 43751	Schedule 25B – Specified Generator	47 MWth spark ignition reciprocating generators comprising 10 x 4.7 MWth Specified Generator (existing MCP below 5 MWth)	Natural gas	Not limited
G1, unique identifier: 2213935				
G2, unique identifier: 2213946				
G3 unique identifier: 2213951				
G4 unique identifier: 2213888				
G5 unique identifier: 2213892				
G6 unique identifier: 2214012				
G7 unique identifier: 2214014				
G8 unique identifier: 2213936				
G9 unique identifier: 2214028				
G10 unique identifier: 2213901				

**Table S1.2B Operating techniques for Specified Generator**

**Description**

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Each generator must be operated in accordance with the manufacturer's instructions and records must be made and retained to demonstrate this

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The operator must keep periods of start-up and shut-down of each generator as short as possible

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

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The stack must be vertical and unimpeded by cowls or caps.

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## **Schedule 2 – Waste types, raw materials and fuels**

This schedule is not used.

## Schedule 3 – Emissions and monitoring

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

Emission point reference & location	Combustion technology	Pollutant	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method <sup>Note 1</sup>
G1 NGR: SJ 29113 43767	Engine fuelled on Natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	190 mg/Nm <sup>3</sup>  Limit applies from 01/01/2025	Periodic	Every 3 years  From 01/01/2025	MCERTS BS EN 14792 or Technical Guidance Note (Monitoring) M5
		Carbon Monoxide	No Limit applies		Periodic	Every 3 years  From 01/01/2025
G2 NGR: SJ 29120 43771	Engine fuelled on Natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	190 mg/Nm <sup>3</sup>  Limit applies from 01/01/2025	Periodic	Every 3 years From 01/01/2025	MCERTS BS EN 14792  or Technical Guidance Note (Monitoring)

						M5
		Carbon Monoxide	No Limit applies	Periodic	Every 3 years From 01/01/2025	BS EN 15058 or Technical Guidance Note (Monitoring) M5
G3 NGR: SJ 29128 43773	Engine fuelled on Natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	190 mg/Nm <sup>3</sup> Limit applies from 01/01/2025	Periodic	Every 3 years  From 01/01/2025	MCERTS BS EN 14792  or Technical Guidance Note (Monitoring) M5
		Carbon Monoxide	No Limit applies	Periodic	Every 3 years  From 01/01/2025	BS EN 15058 Or Technical Guidance Note (Monitoring) M5
G4 NGR: SJ 29145 43778	Engine fuelled on Natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	190 mg/Nm <sup>3</sup> Limit applies from 01/01/2025	Periodic	Every 3 years  From 01/01/2025	MCERTS BS EN 14792  or

						Technical Guidance Note (Monitoring) M5
		Carbon Monoxide	No Limit applies	Periodic	Every 3 years  From 01/01/2025	BS EN 15058 Or Technical Guidance Note (Monitoring) M5
G5 NGR: SJ 29146 43772	Engine fuelled on Natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	190 mg/Nm <sup>3</sup> Limit applies from 01/01/2025	Periodic	Every 3 years  From 01/01/2025	MCERTS BS EN 14792  or Technical Guidance Note (Monitoring) M5
		Carbon Monoxide	No Limit applies	Periodic	Every 3 years  From 01/01/2025	BS EN 15058 Or Technical Guidance Note (Monitoring) M5

G6 NGR: SJ 29150 43765	Engine fuelled on Natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	190 mg/Nm <sup>3</sup> Limit applies from 01/01/2025	Periodic	Every 3 years  From 01/01/2025	MCERTS BS EN 14792  or Technical Guidance Note (Monitoring) M5
		Carbon Monoxide	No Limit applies	Periodic	Every 3 years  From 01/01/2025	BS EN 15058 Or Technical Guidance Note (Monitoring) M5
G7 NGR: SJ 29151 43756	Engine fuelled on Natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	190 mg/Nm <sup>3</sup> Limit applies from 01/01/2025	Periodic	Every 3 years  From 01/01/2025	MCERTS BS EN 14792  or Technical Guidance Note (Monitoring) M5
		Carbon Monoxide	No Limit applies	Periodic	Every 3 years  From 01/01/2025	BS EN 15058 Or Technical Guidance Note (Monitoring) M5

G8 NGR: SJ 29152 43749	Engine fuelled on Natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	190 mg/Nm <sup>3</sup> Limit applies from 01/01/2025	Periodic	Every 3 years  From 01/01/2025	MCERTS BS EN 14792  or Technical Guidance Note (Monitoring) M5
		Carbon Monoxide	No Limit applies	Periodic	Every 3 years  From 01/01/2025	BS EN 15058 Or Technical Guidance Note (Monitoring) M5
G9 NGR: SJ 29154 43742	Engine fuelled on Natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	190 mg/Nm <sup>3</sup> Limit applies from 01/01/2025	Periodic	Every 3 years  From 01/01/2025	MCERTS BS EN 14792  or Technical Guidance Note (Monitoring) M5
		Carbon Monoxide	No Limit applies	Periodic	Every 3 years  From 01/01/2025	BS EN 15058 Or Technical Guidance Note (Monitoring) M5

G10 NGR: SJ 29157 43734	Engine fuelled on Natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	190 mg/Nm <sup>3</sup> Limit applies from 01/01/2025	Periodic	Every 3 years  From 01/01/2025	MCERTS BS EN 14792
		Carbon Monoxide	No Limit applies	Periodic	Every 3 years  From 01/01/2025	BS EN 15058

Note 1: Monitoring requirements are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O<sub>2</sub> content of 15 % for engines.

## 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**

<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Emissions to air Parameters as required by condition 3.2.1.	G1, G2, G3, G4, G5, G6, G7, G8, G9,G10	Every 3 years from 01/01/2025 or immediately when the Tranche A Specified Generator becomes a Tranche B Specified Generator whichever comes first	1 January

**Table S4.2 Reporting forms**

<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
Air	Form Air1 or other form as agreed in writing by Natural Resources Wales	25/04/2024

# 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	

<b>(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</b>	
<b>To be notified within 24 hours of detection</b>	
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>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Emission point reference/ source	
Parameter(s)	
Limit	

<b>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
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 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.

“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.

“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.

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

“first put into operation” means that the plant must have been fired with its design fuel up to its full load. This can be, but does not have to be, during commissioning.

“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.

“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.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“specified generator” has the meaning given in paragraph 2(1) of Schedule 25B of The EP Regulations.

“tranche A generator” has the meaning given in paragraph 3(3) of schedule 25B of The EP Regulations.

“tranche B generator” is any generator that is not a Tranche A generator.

“year” means calendar year ending 31 December.

## Schedule 7 – Annex I of MCPD

1. Rated thermal input (MW) of the medium combustion plant.	<b>G1 to G10:</b> 4.7 MWth per unit 47 MWth Site total
2. Type of the medium combustion plant (diesel engine, gas turbine, dual fuel engine, other engine or other medium combustion plant).	All - <b>other engine</b>
3. Type and share of fuels used according to the fuel categories laid down in Annex II.	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.	Before 20/12/2018
5. Sector of activity of the medium combustion plant or the facility in which it is applied (NACE code).	D35.1.1 Production of electricity
6. Expected number of annual operating hours of the medium combustion plant and average load in use.	8760
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.	N/A
8. Name and registered office of the operator and, in the case of stationary medium combustion plants, the address where the plant is located.	Registered Office: <b>6th Floor St Magnus House 3 Lower Thames Street London England EC3R 6HD</b>  MCP address <b>Bartley Power Plas Bennion Road Ruabon LL14 1TP</b>

END OF PERMIT