

# Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

---

**Brecon Power Ltd**

**Former Tech Board Facility  
Rassau Industrial Estate  
Ebbw Vale  
NP23 5SD**

Permit number

**PAN-009650**

# Former Tech Board Facility

## Permit number PAN-009650

### Introductory note

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

This permit will allow the operator to operate:

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

The fourteen spark ignition gas reciprocating generator engines were commissioned on 19 December 2018, expected to operate more than 50 hours a year, and are therefore classed as an existing Tranche B Specified Generator (SG). They are also defined as existing medium combustion plant (MCP) on the basis that they were first operated before 20 December 2018.

There are two European designated habitat sites (Usk Bat Site and Cwm Clydach Woodlands) within 5km of the Specified Generator, and two sites of special scientific interest (SSSI's - Mynydd Llangynidr and Mynydd Llangatwg) within 2km of the Specified Generator. An Air Quality Assessment of the impact on the European designated habitat sites and SSSI's has been completed, showing that the impact on these ecological receptors are predicted to be below limit values at the locations where the Air Quality Directive states that they must be applied.

The Air Quality Assessment also showed that impacts at relevant human receptors are predicted to be below limit values at the locations where the Air Quality Directive states that they must be applied.

The details of the units and associated limits and monitoring requirements are specified in Tables S1.1 and S3.1.

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 PAN-009650	Duly made 06/03/20	Application for a Specified Generator permit.
Additional Information Received	15/05/20	Updated Site Location Map
Permit determined	29/05/20	Permit issued to Brecon Power Ltd

End of introductory note

# Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

**PAN-009650**

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

**Brecon Power Ltd** (“the operator”),

Whose registered office is:

**5<sup>th</sup> Floor**  
**53-54 Grosvenor Street**  
**London**  
**W1K 3HU**

Company registration number **09113303**

To operate one Specified Generator at:

**Former Tech Board Facility**  
**Rassau Industrial Estate**  
**Ebbw Vale**  
**NP23 5SD**

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

Signed	Date
Holly Noble	26/05/2020

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 not extend beyond the site, being the land shown edged in blue on the site plan in schedule 7 of this permit.

### 2.3 Operating techniques

2.3.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A4 etc.) the activities shall be operated using the techniques and in the manner described in schedule 1, table S1.2.

## 3 Emissions and monitoring

### 3.1 Emissions to water, air or land

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:
- (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 For the following activities referenced in schedule 1, table S1.1 (A1 to A4 etc.) where secondary abatement is required to ensure compliance with the NOx ELV monitoring shall start 10 minutes from when the generator commences operation, or within 20 minutes when the generator was a Tranche A and is now a Tranche B generator.
- 3.2.4 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.
- 3.2.5 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 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 in writing within 24 hours.

### 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 5 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 specified generator	Fuel	Operating hours limit per Specified Generator per annum
Site Cente NGR: SO 15625 12600 A1, Unique Identifier 1357638 A2, Unique Identifier 1357490 A3, Unique Identifier 1357609 A4, Unique Identifier 1357461 A5, Unique Identifier 1357730 A6, Unique Identifier 1357623 A7, Unique Identifier 1357694 A8, Unique Identifier 1357756 A9, Unique Identifier 1357773 A10, Unique Identifier 1357791 A11, Unique Identifier 1357832 A12, Unique Identifier 1357868 A13, Unique Identifier 1334037 A14, Unique Identifier 1357904	Schedule 25B – Specified generator	14 x 3.57 MWth spark ignition reciprocating generators comprising one 49.98MWth Specified Generator	Natural gas	<2000 Hours

Table S1.2 Operating techniques for Specified Generators
<ul style="list-style-type: none"> <li>(a) Each generator must be operated in accordance with the manufacturer's instructions and records must be made and retained to demonstrate this.</li> <li>(b) The operator must keep periods of start-up and shut down of the generators as short as possible</li> <li>(c) There must be no persistent emission of 'dark smoke' as defined in section 3(1) of the Clean Air Act 1993.</li> <li>(d) Where secondary abatement is required to ensure compliance with the NO<sub>x</sub> ELV it must be met within 10 minutes from when the generator commences operation or within 20 minutes when the generator was a Tranche A and is now a Tranche B generator.</li> </ul>



**Table S1.2 Operating techniques for Specified Generators**

- (e) The stack must be vertical and unimpeded by cowls or caps.
- (f) The operating regime of the generator(s) must be in line with the Complex Bespoke Permit Application: Non-Technical Summary V2 R1 dated 02 March 2020 and submitted as part of permit application PAN-009650.

## **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 requirements (applicable to each generator)**

Emission point ref. & location as referenced in table S1.1	Pollutant	Combustion Technology	Emission limit mg/Nm <sup>3</sup>	Reference period	Monitoring frequency	Monitoring standard or method Note 1
A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13 & A14	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	Gas engine	95	Periodic (average over one hour)	Every 3 years	MCERTS BS EN 14792
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			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.2.1.	A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13 & A14	Every 3 years for all emission points	Date of permit issue or the date when the generator is first put into operation, whichever is later.

Table S4.2 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by Natural Resources Wales	29/05/20

## 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)	

<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>	
Limit	
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.

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

“NRW TGN M5” means ‘Natural Resources Wales Technical Guidance Note M5: Monitoring of stack gas emissions from medium combustion plants and specified generators’ guidance published on Gov.UK.

“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.

“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.

“limited operating hours MCP” means an MCP that meets the requirements of paragraph 8 of Part 2 of Schedule 25A of the EP Regulations.

“MCERTS” means Natural Resources Wales’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.

“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.

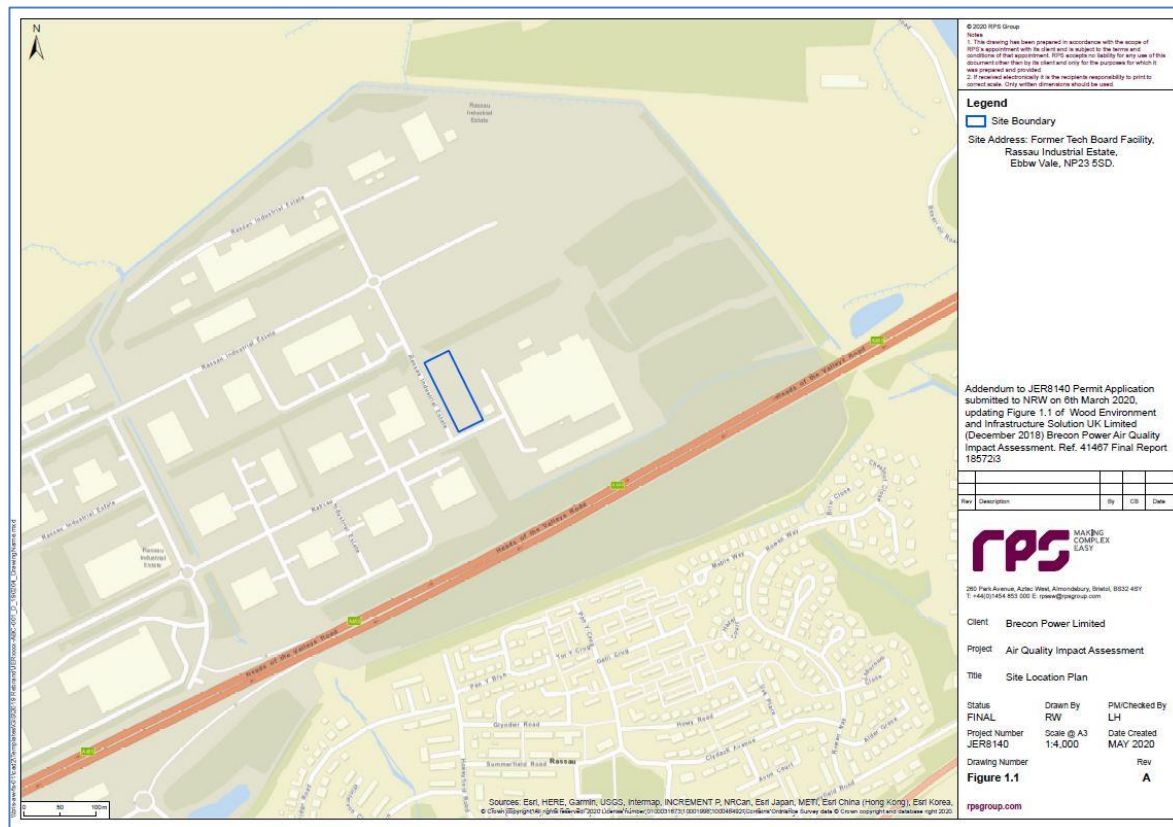
“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

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

“year” means calendar year ending 31 December.



## Schedule 7 – Site plan



END OF PERMIT

Permit Number: PAN-009650 Operator: Brecon Power Ltd

Facility: Former Tech Board Facility Form Number: Air1 / 29/05/20

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

Emission Point	Substance / Parameter	Emission		Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
		Limit Value	Reference Period				
A1	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	95 mg/Nm <sup>3</sup>	Periodic (average over one hour)		MCERTS BS EN 14792		
A2							
A3							
A4							
A5							
A6							
A7							
A8							
A9							
A10							
A11							
A12							
A13							
A14							

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases, the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....  
(Authorised to sign as representative of Operator)

Date.....