

Permit Number: EPR/SP3537VQ

Operator: Biogen Bryn Pica Limited

Facility: Bryn Pica Anaerobic Digestion Site

Form Number Air1 / 10/12/14

Reporting of emissions to air for the period from 01/01/2016 to 31/12/2016

Emission Point	Substance/ Parameter	Emission Limit/Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
CHP1	Oxides of nitrogen (NO and NO ₂ expressed as NO _x)	500 mg/m ³	1hour	385 mg(N)/m-3	BS EN 14792	27/04/2016 11:45-12:45	±20
	Carbon monoxide	1400 mg/m ³	1hour	838 mg(N)/m-3	BS EN 15058	27/04/2016 11:45-12:45	±45
	Total Volatile Organic Compounds (VOCs)	1000 mg/m ³	1hour	620mg(N)/m-3	BS EN12619:1999	27/04/2016 11:45-12:45	±29
	Sulphur dioxide	350 mg/m ³	1hour	* 202mg(N)/m-3	BS EN 14791	04/07/2016 11:02-12:02	±11

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.

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.

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. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Operator's comment :

* Result for Sulphur Dioxide (SO₂) is re-test result dated carried out on 04/07/2016 following a breach of 447mg/m³ on 27.04.16. Schedule 5 A and B submitted to NRW as required on 22.07.16

Signed Date...06-01-2017
(Authorised to sign as representative of Operator)

Permit Number
EPR/SP3537VQ

Permit number: EPR/SP3537VQ

Operator:

Biogen (Bryn Pica) Limited

Facility:

Bryn Pica Anaerobic Digestion Site

Form Number

Performance1 / 13/05/2015

Reporting of other performance indicators for the year 2016 from 01/01/2016 to 31/12/2016

Parameter	Units
Power output – Electricity	9550.7MWh
Energy efficiency	0.002 MWh/m ³ biogas
Electrical energy exported to the grid	8834 MWh (Electricity Meter)
Electrical energy drawn from the grid	33.9 MWh
Water usage	
Operational time of emergency flare	8.9% of operational time
Amount of biogas combusted in the CHP unit per day	11372 m ³ /day

Operator's comments:

*The figures provided refer to imported electricity. Parasitic energy ie energy produced and consumed by site in 2016 was 204.6

** Site does not utilise mains water.

Signed

(Authorised to sign as representative of Operator)

..... Date.....19- 01- 2017

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