

Permit Number: EPR/AP3139FT

Operator:

Dwr Cymru Cyfyngedig

Facility: Five Fords Ww/TW CHP Facility

Form Number: Air1 / 31/01/2018

Reporting of emissions to air for the period from 01/01/2017 to 31/12/2017

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A1	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	500 mg/m ³	Hourly average	389.74 mg/m ³	BS EN 14792	02/10/2017 16:01 - 17:00	3%
A1	Carbon Monoxide	1400 mg/m ³	Hourly average	890.17 mg/m ³	BS EN 15058	02/10/2017 16:01 - 17:00	2%
A1	Sulphur Dioxide	-	Hourly average	6.00 mg/m ³	BS EN 14791	02/10/2017 15:30 - 16:30	13%
A1	Total VOC's	1000 mg/m ³	Hourly average	1672.55 mgC/m ³	BS EN 12619	02/10/2017 16:01 - 17:00	3%
A1	NM/VOC's	-	Hourly average	1.57 mg/m ³	BS EN 13649	02/10/2017 16:36 - 17:35	28%
A2*	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	500 mg/m ³	Hourly average	398.55 mg/m ³	BS EN 14792	02/10/2017 14:01 - 15:00	3%
A2*	Carbon Monoxide	1400 mg/m ³	Hourly average	908.35 mg/m ³	BS EN 15058	02/10/2017 14:01 - 15:00	2%
A2*	Sulphur Dioxide	-	Hourly average	5.50 mg/m ³	BS EN 14791	02/10/2017 13:04 - 16:04	13%
A2*	Total VOC's	1000 mg/m ³	Hourly average	1866.51 mgC/m ³	BS EN 12619	02/10/2017 14:01 - 15:00	3%
A2*	NM/VOC's	-	Hourly average	0.0077 mg/m ³	BS EN 13649	02/10/2017 14:17 - 15:17	30%
A3 (operating on Biogas)	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	500 mg/m ³	N/A	-	BS EN 14792	N/A	N/A
A3 (operating on Biogas)	Carbon Monoxide	1400 mg/m ³	N/A	-	BS EN 15058	N/A	N/A
A3 (operating on Biogas)	Sulphur Dioxide	-	N/A	-	BS EN 14791	N/A	N/A

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A3 (operating on Biogas)	Total VOC's	1000 mg/m ³	N/A	-	BS EN 12619 BS EN 13526	N/A	N/A
A3 (operating on Biogas)	NM VOC's	-	N/A	-	BS EN 13649	N/A	N/A
A3 (operating on Natural Gas)	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	-	Hourly average	141.07 mg/m ³	BS EN 14792	03/10/2017 10:32 - 12:01	2%
A3 (operating on Natural Gas)	Carbon Monoxide	-	Hourly average	21.16 mg/m ³	BS EN 15058	03/10/2017 10:32 - 12:01	4%

* Engine tested at 85% of its power rate.

- [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 the Environment Agency 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 31/01/2018

ANDREW DIXON
ENERGY OPS MANAGER (GENERATION)