



Cofely Industrial Energy Services,
Dow Corning CHP Site,
Winbourne Road,
Dock No 2 ,
Barry.
CF63 3DH
Tel: 01446 723001
Fax: 01446 739780
E-mail:- andrew.sanderson@cofely-
gdfsuez.com

Mrs Liz Parr
Natural Resources Wales
Rivers House
St Mellons Business Park
St Mellons
Cardiff
CF3 0EY

22nd July 2015

Your Ref. EPR/JP3632ZH

Dear Mrs Parr,
Please find enclosed our 3 monthly returns for Quarter 2 2015 up until 30th June 2015 for the Releases to Air.

Please forward to the relevant inspector and contact me if there are any questions in relation to these returns.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A Sanderson', written over a horizontal line.

Andrew Sanderson
Operations Manager

Permit Reference Number: EPR/JP3632ZH

Operator : Cofely Industrial Energy Services

Installation : Barry Cogeneration Plant

Form Number : A1(a)

Reporting of 3 monthly continuous monitoring Emissions to Air for the period from 1st April 2015 to 30th June 2015

Table 1: Burning Natural Gas

Emission Point	Substance / Parameter	Emission Limit Value	Result 95%ile [6]	Test Method [2]	Result Maximum Hourly Concentration	Sample Date and Times [3]	Accreditation / Certification [4]	Uncertainty [5]
A1	Oxides of Nitrogen (as NO ₂)	125mg/m ³ (95% of ½ hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	62.4	BS EN 14792	101.5	99.8%	MCert Sira MC040019.01	5.4mg/m ³
A1	Carbon Monoxide	80 mg/m ³ (95% of ½ hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	17	BS EN 15058	79.4	99.8%	MCert Sira MC040019.01	8mg/m ³
A2	Oxides of Nitrogen (as NO ₂)	125 mg/m ³ (95% of ½ hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	69.9	BS EN 14792	103.7	99.8%	MCert Sira MC040019.01	5.4mg/m ³
A2	Carbon Monoxide	80 mg/m ³ (95% of ½ hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	45.8	BS EN 15058	70.7	99.8%	MCert Sira MC040019.01	8mg/m ³
A3	Oxides of Nitrogen (as NO ₂)	125 mg/m ³ (95% of ½ hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	90.9	BS EN 14792	103.9	99.8%	MCert Sira MC040019.01	5.4mg/m ³

A3	Carbon Monoxide	maximum average value not exceeding 1.5 times those values) 80 mg/m ³ (95% of ½ hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	12.4	BS EN 15058	67	99.8%	MCert Sira MC040019.01	8mg/m3
A4	Oxides of Nitrogen (as NO2)	45 mg/m ³ (95% of ½ hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	Not required Annual Extractive testing only				N/A	N/A
A4	Carbon Monoxide	80 mg/m ³ (95% of ½ hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	Not required Annual Extractive testing only				N/A	N/A
A5	Oxides of Nitrogen (as NO2)	45 mg/m ³ (95% of ½ hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	Not required Annual Extractive testing only				N/A	N/A
A5	Carbon Monoxide	80 mg/m ³ (95% of ½ hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	Not required Annual Extractive testing only				N/A	N/A

[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 Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. 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 accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

- [5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.
 [6] The result is the 95%ile concentration

Table 2: Burning Distillate Fuel Oil

Emission Point	Substance / Parameter	Emission Limit Value	Hours of Operation	Result of 95%ile [6]	Test Method [2]	Result Maximum 1/2 Hourly Concentration	Sample Date and Times [3]	Accreditation / Certification [4]	Uncertainty [5]
A1	Oxides of Nitrogen (as NO ₂)	160mg/m ³ (95% of 1/2 hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	0						
A1	Carbon Monoxide	80 mg/m ³ (95% of 1/2 hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	0						
A2	Oxides of Nitrogen (as NO ₂)	160 mg/m ³ (95% of 1/2 hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	0						
A2	Carbon Monoxide	80 mg/m ³ (95% of 1/2 hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	0						
A3	Oxides of Nitrogen (as NO ₂)	160 mg/m ³ (95% of 1/2 hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	0						
A3	Carbon Monoxide	80 mg/m ³ (95% of 1/2 hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	0						

A4	Oxides of Nitrogen (NO ₂)	65 mg/m ³ (95% of 1/2 hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	Not required Annual Extractive testing only if in operation on Fuel oil						
A4	Carbon Monoxide	80 mg/m ³ (95% of 1/2 hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	Not required Annual Extractive testing only if in operation on Fuel oil						
A5	Oxides of Nitrogen (NO ₂)	65 mg/m ³ (95% of 1/2 hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	Not required Annual Extractive testing only if in operation on Fuel oil						
A5	Carbon Monoxide	80 mg/m ³ (95% of 1/2 hourly readings in each 24hr period not exceeding those limits and the maximum average value not exceeding 1.5 times those values)	Not required Annual Extractive testing only if in operation on Fuel oil						

[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 Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. 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 accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

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

[6] The result is the 95%ile concentration

SignedAndrew Sanderson.....



Date....22/07/2015.....