

Permit Number: EPR/FP3232KG

Operator: Dwr Cymru Cyfyngedig

Facility: Cardiff CHP

Form Number: A1

Reporting of emissions to air for the period from Jan 1st 2015 to 31st Dec 2015

| Emission Point | Substance / Parameter | Limit Value | Result | Test Method ^[1] | Sample Date and Times ^[2] | Uncertainty ^[3] |
|----------------|---|------------------------|--------|----------------------------|--------------------------------------|----------------------------|
| A1 | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 500 mg/m ³ | 365.27 | BS EN 14792 | 11/8/15 10:05 - 11:04 | 3% |
| A1 | Carbon Monoxide | 1100 mg/m ³ | 624 | BS EN 15058 | 11/8/15 10:05 - 11:04 | 2% |
| A1 | Sulphur Dioxide | 340 mg/m ³ | 113.65 | BS EN 14791 | 11/8/15 9:12 - 10:12 | 13% |
| A2 | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 500 mg/m ³ | 223.84 | BS EN 14792 | 10/8/15 11:00 - 11:59 | 3% |
| A2 | Carbon Monoxide | 1100 mg/m ³ | 556.77 | BS EN 15058 | 10/8/15 11:00 - 11:59 | 2% |
| A2 | Sulphur Dioxide | 340 mg/m ³ | 97.79 | BS EN 14791 | 10/8/15 11:08 - 12:06 | 13% |
| A3 | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 500 mg/m ³ | 404.93 | BS EN 14792 | 14/8/15 14:56 - 15:55 | 2% |
| A3 | Carbon Monoxide | 1100 mg/m ³ | 995.93 | BS EN 15058 | 14/8/15 14:56 - 15:55 | 3% |
| A3 | Sulphur Dioxide | 340 mg/m ³ | 113.55 | BS EN 14791 | 10/8/15 13:00 - 14:00 | 13% |
| A7 | Oxides of Nitrogen (NO and NO ₂ expressed as | 150 mg/m ³ | N/A | BS EN 14792 | N/A | |

| Emission Point | Substance / Parameter | Limit Value | Result | Test Method ^[1] | Sample Date and Times ^[2] | Uncertainty ^[3] |
|----------------|-----------------------|-----------------------|--------|----------------------------|--------------------------------------|----------------------------|
| | NO ₂) | | | | | |
| A7 | Carbon Monoxide | 50 mg/m ³ | | BS EN 15058 | | |
| A7 | Sulphur Dioxide | 360 mg/m ³ | | BS EN 14791 | | |
| A7 | Operating Temperature | >1000°C | | BS EN 13284-1 | | |

[1] 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.

[2] The date and time of the sample that produced the result is given.

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

Signed *M. O'S* Date *31/3/16*

(Authorised to sign as representative of Operator)

Permit Number: EPR/FP3232KG Operator: Dwr Cymru Cyfyngedig
 Facility: Cardiff CHP Form Number: P1

Reporting of other performance indicators for the period: *Jan 1st 2015 to 31st Dec 2015*

| | | |
|--------------------------------------|---------------------------|----------------------|
| Total fuel input (biogas) | m ³ | 11450 m ³ |
| Total fuel input (natural gas) | MWh | 13566 MWh |
| Power output - heat | MWh | 32935 MWh |
| Power output - electricity | MWh | 19943 MWh |
| Energy Efficiency | MWh/m ³ biogas | 1.74 |
| Water usage | m ³ | N/A |
| Water generated | m ³ /MWh | N/A |
| Operational time of waste gas burner | % of operational time | < 10% of operational |

Operator's comments :

Signed *M. [Signature]* Date *31/3/16*
 (Authorised to sign as representative of Operator)