**RELEASES TO AIR**

**QUARTERLY RETURN**

**MONTHLY MEAN, MAXIMUM DAILY MEAN AND ANNUAL PERCENTILE CONCENTRATIONS (a), (b), (c)**

**OPERATING MODE: LCP15 LM2500 Gas Turbine Emission Point A4 OPEN CYCLE**

| | | | |
|---|---|---|---|
| **Operator:** | **Baglan Operations Limited** | **Form:** | **IED CON 2 (Gas Turbines)** |
| **Location:** | **Baglan Energy** | Version/date: | V.3.1 31 Dec 2015 |
| **Permit/Variation Number:** | **EPR/BJ7891IT** | | |

| Year: 2020 | LCP15 LM2500 A4 OPEN CYCLE | | | | | |
|---|---|---|---|---|---|---|
| | **NOx (mg/m3)** | | | **CO (mg/m3)** | | |
| **Month** | **Monthly Mean (d)** | **Max Daily Mean (d)** | **Part Load Max Daily Mean (e)** | **Monthly Mean (d)** | **Max Daily Mean (d)** | **Part Load Max Daily Mean (e)** |
| January | 68.56 | 74.91 | | 12.1 | 16.1 | |
| February | 71.88 | 75.02 | | 13.5 | 17.3 | |
| March | 71.57 | 78.67 | | 15.1 | 18.7 | |
| April | 76.46 | 77.97 | | 10.5 | 11.5 | |
| May | 74.79 | 79.91 | | 13 | 13.6 | |
| June | 70.12 | 71.81 | | 13.8 | 15.1 | |
| July | - | - | | - | - | |
| August | - | - | | - | - | |
| September | - | - | | - | - | |
| October | - | - | | - | - | |
| November | - | - | | - | - | |
| December | - | - | | - | - | |
| **Monthly ELV / Daily ELV (f)** | 105 | 105 | | 100 | 110 | |
| **Annual 95th Percentile (h)** | | | | 18.5(4) | | |
| **Annual Percentile ELV (g)** | | | | 200 | | |

NOTES:

(a) All data based on validated hourly average concentrations, excluding start-up and shut-down and periods of malfunction or breakdown of abatement equipment, at 15% O2, dry, 273.15K, 101.325 kPa

(b) Annual percentiles are submitted with the final return (Quarter 4)

(c) Extend report to cover the required number of LCP on each site and repeat report for each separately regulated Operating Mode as required, e.g., Combined Cycle, Open Cycle, Supplementary firing, Auxiliary firing

(d) Averages determined at loads in the range 70% < Load ≤ 100% ISO base load and above

(e) Averages determined at loads in the range MSUL* < Load = 100% ISO base load and above (* For a 3 parameter approach, from the point of Start-Up to the point of Shut-down)

(f) Leave the Daily ELV blank if this is applied as a 95th percentile ELV within the Permit

(g) For each pollutant, report the Annual 95th percentile ELV for hourly averages in the first column and, if applicable, the Annual 95th percentile ELV for daily means in the second column

(h) For each pollutant, report the Annual 95th percentile of hourly averages in the first column and, if applicable, the Annual 95th percentile of daily means in the second column

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|---|---|
| Signed on behalf of the Operator by: | Jayne Mason |
| Date of return: | 17/07/2020 |

No confidence adjustment