

Permit Number: BV9713IU

Operator: BOC Limited

Installation: Margam Gases

Form Number: Air1 / 25/04/07

Reporting of emissions to air for the period from 01/01/21 to 31/12/21.

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	250 mg/m ³	Periodic over a minimum of a 4 hour period. Data reported as half hourly averages.	Shut Down since 01/01/11 No demand	ISO 10849: 1996		
A1	Carbon Monoxide	20 mg/m ³	Periodic with a minimum sampling time of 1 hour	Shut Down since 01/01/11 No demand	BS EN15058		
A2	Oxides of Nitrogen	250 mg/m ³	Periodic over a minimum of a 4 hour period. Data reported as half hourly averages.	72.60 mg/m ³ 70.50 mg/m ³ 69.40 mg/m ³ 68.30 mg/m ³ 67.10 mg/m ³ 66.90 mg/m ³ 66.40 mg/m ³ 65.50 mg/m ³	ISO 10849: 1996 (EN 14792:2017)	06/05/2021 0954 – 1024 1024 – 1054 1054 – 1124 1124 – 1154 1154 – 1224 1224 – 1254 1254 – 1324 1324 – 1354	+/- 3.12 mg/m ³ +/- 3.03 mg/m ³ +/- 2.98 mg/m ³ +/- 2.94 mg/m ³ +/- 2.89 mg/m ³ +/- 2.88 mg/m ³ +/- 2.85 mg/m ³ +/- 2.82 mg/m ³
A2	Carbon Monoxide	50 mg/m ³	Periodic with a minimum sampling time of 1 hour	4.19 mg/m ³ 3.23 mg/m ³ 1.51 mg/m ³ 1.60 mg/m ³ 3.20 mg/m ³ 3.17 mg/m ³ 3.76 mg/m ³ 4.56 mg/m ³	BS EN15058	0954 – 1024 1024 – 1054 1054 – 1124 1124 – 1154 1154 – 1224 1224 – 1254 1254 – 1324 1324 – 1354	+/- 4.48 mg/m ³ +/- 3.46 mg/m ³ +/- 1.61 mg/m ³ +/- 1.72 mg/m ³ +/- 3.42 mg/m ³ +/- 3.39 mg/m ³ +/- 4.03 mg/m ³ +/- 4.08 mg/m ³

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 the Agency is used, then the appropriate identifier is given. In other cases, the principal technique is stated, e.g. 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.

Signed S Roberts (Regional SHEQ Advisor South Wales)
(Authorised to sign as representative of BOC Limited)

Date: 25th January 2022