

Permit Number: EPR/KP3235SS

Operator: IQE (Europe) Limited

Facility: IQE (Europe) Limited

Form Number: A1

Reporting of emissions to air for the period from 01/01/2021 to 28/6/2021

Submission date: 26/07/2021.

Emissions to Air							
Emission Point	Substance/Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
A1	Ammonia ⁽⁷⁾	10 mg/m ³	0.03mg/m ³	BS EN 14791	28/06/2021 – 12:29 to 13:29	MCERTS	+/-0.02
A1	Hydrogen Chloride	10 mg/m ³	0.03mg/m ³	BS EN 1911	28/06/2021 – 13:48 to 14:48	MCERTS	+/-0.01
A3	Arsine ⁽⁶⁾	0.42 mg/m ³	mg/m ³	BS EN 14385	28/06/2021 –	MCERTS	
A3	Phosphine ⁽⁶⁾	0.42 mg/m ³	mg/m ³	BS EN 14385	28/06/2021 –	MCERTS	
A3	Ammonia ⁽⁷⁾	9 mg/m ³	0.018mg/m ³	BS EN 14791	28/06/2021 – 09:25 to 10:25	MCERTS	+/-0.01

PLEASE NOTE: 26/7/21 3RD PARTY MONITORING COMPANY, SOCOTEC REPORTED, "In regards to A3, I have included the summary and responses from Socotec. Unfortunately, there is a mechanical error with the analytical machinery for the metal analysis. We will send over the A3 report as soon as it is available, Apologies for the delay".

Andrew Patterson – This will no doubt be after the deadline of the 28th of this month. As soon as the results are known I will update & re-send this form.

- [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 Natural Resources Wales 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 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] Total arsenic and phosphorus compounds (expressed as arsenic)
- [7] As analysed concentration



Andrew Patterson
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