Permit Reference Number: KP3235SS

Operator: IQE (Europe) Limited

Installation: IQE (Europe) Limited, Pascal Close, St. Mellons, Cardiff, CF3 0LW

Form: A1

Reporting of Emissions to Air for period 01/07/2014 to 31/12/2014

Emission Point	Substance / Parameter	Emission Limit Value	Result [1] ($mg.m^3$)	Test Method [2]	Sample Date and Times [3]	Accreditation / Certification [4]	Uncertainty [5]
A3	Arsine[6]	0.42 $mg.m^3$	0.029	BS EN 14385:2004	08/10/14 10:44 – 11:29	MCERTS	<0.001
A3	Phosphine [6]	0.42$mg.m^3$	<0.005	BS EN 14385:2004	08/10/14 11:56 – 12:41	UKAS	0.001
A3	Ammonia [7]	9.0 $mg.m^3$	<0.047	BS EN 14791:2005	08/10/14 13:08 – 14:53	MCERTS	0.210

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) Total arsenic and phosphorus compounds (expressed as arsenic)
7) As analysed concentration

Comment - Permit Condition 4.1.2, total annual raw ammonia usage for 2014 (tonnes) - 0.075 tonnes.

Signed* 

Date 14th January 2015

*Authorised to sign as a representative of the Operator.

Date of Form: 17/12/2013