

Permit Number: WP3931SD Operator: Kennametal UK Ltd

Installation: Newport Ceramics Form Number: Air1 / 06/08/2007

Reporting of emissions to air for the period from 01/01/2016 to 31/12/2016

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A1 [Point A1 on site plan in Schedule 2]	Particulate matter	25mg/m ³ on completion of IC1	Spot sample	26.4	BS EN 13284:1	1/3/16 11:40-12:42	1
A1 [Point A1 on site plan in Schedule 2]	Ammonia	30mg/m ³	Spot sample	14.2	BS EN 14791	15/6/16 08:51-09:51	2.3
A1 [Point A1 on site plan in Schedule 2]	Total Cyanide	-	Spot sample	0.67	EPA CMT033	1/3/16 11:40-12:42	0.14
A1 [Point A1 on site plan in Schedule 2]	Oxides of nitrogen	100mg/m ³	Spot sample	26.1	BS EN 14792:2005	15/6/16 08:51-09:51	1.7
A1 [Point A1 on site plan in Schedule 2]	Sulphur dioxide	20mg/m ³	Spot sample	12.3	TGN M21	22/8/16 13:38-14:38	4.7
A1 [Point A1 on site plan in Schedule 2]	Carbon monoxide	200mg/m ³	Spot sample	145	BS EN 15058:2006	22/8/16 13:38-14:38	3
A2 [Point A2 on site plan in schedule 2]	Particulate matter	25mg/m ³	Spot sample	Emission point not in use	BS EN 13284:1	Emission point not in use	Emission point not in use
A3 [Point A3 on site plan in schedule 2]	Particulate matter	5mg/m ³	Spot sample	12.96	BS EN 13284:1	23/8/16 13:15-14:15	0.93
A6 [Point A6 on site plan in Schedule 2]	Particulate matter	25mg/m ³	Spot sample	305.2	BS EN 13284:1	9/11/16 10:34-11:04	9.79
A7 [Point A7 on site plan in schedule 2]	Particulate matter	5mg/m ³	Spot sample	6	BS EN 13284:1	1/3/16 13:00-14:00	0.7

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A8 [Point A8 on site plan in schedule 2]	Particulate matter	25mg/m ³	Spot sample	5.5	BS EN 13284:1	15/6/16 15:00-16:03	1.12
A8 [Point A8 on site plan in schedule 2]	Ammonia	30mg/m ³	Spot sample	4.25	BS EN 14791	29/2/16 14:20-15:20	0.9
A8 [Point A8 on site plan in schedule 2]	Total Cyanide	-	Spot sample	0.03	EPA CMT033	15/2/16 15:00-16:03	0.005
A8 [Point A8 on site plan in schedule 2]	Oxides of nitrogen	100mg/m ³	Spot sample	2.8	BS EN 14792:2005	29/2/16 12:50-13:50	3.3
A8 [Point A8 on site plan in schedule 2]	Sulphur dioxide	20mg/m ³	Spot sample	9.1	TGN M21	18/5/15 13:45-14:45	4.6
A8 [Point A8 on site plan in schedule 2]	Carbon monoxide	100mg/m ³	Spot sample	190	BS EN 15058:2006	15/2/16 12:34-13:34	3.3

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

Signed J. Ashman Date 26/1/17
(Authorised to sign as representative of Operator)