

Permit Number: BP3532HX Operator: Kennametal UK Ltd

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

Reporting of emissions to air for the period from 01/01/2024 to 31/12/2024

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	Spot sample	2.9	BS EN 13284:1	26/03/24 11:36 - 12:36	1.44
A1 [Point A1 on site plan in Schedule 2]	Ammonia	30mg/m ³	Spot sample	4.04	BS EN 14791	26/03/24 11:36 - 12:36	0.54
A1 [Point A1 on site plan in Schedule 2]	Total Cyanide	-	Spot sample	13.6	US EPA OTM 29	26/03/24 13:24 - 14:24	1.65
A1 [Point A1 on site plan in Schedule 2]	Oxides of nitrogen	100mg/m ³	Spot sample	36	BS EN 14792:2017	26/03/24 11:00-12:00	3.95
A1 [Point A1 on site plan in Schedule 2]	Sulphur dioxide	20mg/m ³	Spot sample	3.15	AM-PD CEN/TS 17021:2017	26/03/24 11:00-12:00	0.9
A1 [Point A1 on site plan in Schedule 2]	Carbon monoxide	200mg/m ³	Spot sample	152	BS EN 15058:2017	26/03/24 11:00-12:00	2.42
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	0.65	BS EN 13284:1	25/03/24 08:40 - 09:40	1.29
A6 [Point A6 on site plan in Schedule 2]	Particulate matter	25mg/m ³	Spot sample	0.93	BS EN 13284:1	25/03/24 14:05-15:05	1.05
A7 [Point A7 on site plan in schedule 2]	Particulate matter	5mg/m ³	Spot sample	0.61	BS EN 13284:1	26/03/24 08:40 - 09:40	0.87

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	Spot sample	0.42	BS EN 13284:1	12/06/24 10:00 - 11:00	0.83
A1 [Point A1 on site plan in schedule 2]	Ammonia	30mg/m ³	Spot sample	11.4	BS EN 14791	12/06/24 10:00 - 11:00	1.37
A1 [Point A1 on site plan in schedule 2]	Total Cyanide	-	Spot sample	5.7	US EPA OTM 29	12/06/24 11:00 - 12:16	0.68
A1 [Point A1 on site plan in schedule 2]	Oxides of nitrogen	100mg/m ³	Spot sample	14.6	BS EN 14792:2017	12/06/24 10:00 - 11:00	4.14
A1 [Point A1 on site plan in schedule 2]	Sulphur dioxide	20mg/m ³	Spot sample	2.99	AM-PD CEN/TS 17021:2017	12/06/24 10:00 - 11:00	1.41
A1 [Point A1 on site plan in schedule 2]	Carbon monoxide	200mg/m ³	Spot sample	105	BS EN 15058:2017	12/06/24 10:00 - 11:00	1.65
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	1.1	BS EN 13284:1	13/06/24 11:40 - 12:40	0.82
A6 [Point A6 on site plan in Schedule 2]	Particulate matter	25mg/m ³	Spot sample	0.55	BS EN 13284:1	13/06/24 8:46-9:46	0.78
A7 [Point A7 on site plan in schedule 2]	Particulate matter	5mg/m ³	Spot sample	0.46	BS EN 13284:1	12/06/24 12:40 - 13:40	0.92

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/m3	Spot sample	2.8	BS EN 13284:1	28/8/24 9:30 – 10:30	0.65
A1 [Point A1 on site plan in schedule 2]	Ammonia	30mg/m3	Spot sample	21	BS EN 14791	28/8/24 9:30 – 10:30	2.5
A1 [Point A1 on site plan in schedule 2]	Total Cyanide	-	Spot sample	0.72	US EPA OTM 29	28/8/24 10:45 – 11:45	0.09
A1 [Point A1 on site plan in schedule 2]	Oxides of nitrogen	100mg/m3	Spot sample	72	BS EN 14792:2017	28/8/24 9:30 – 10:30	2.5
A1 [Point A1 on site plan in schedule 2]	Sulphur dioxide	20mg/m3	Spot sample	2.2	AM-PD CEN/TS 17021:2017	28/8/24 9:30 – 10:30	1.7
A1 [Point A1 on site plan in schedule 2]	Carbon monoxide	200mg/m3	Spot sample	148	BS EN 15058:2017	28/8/24 9:30 – 10:30	1.5
A2 [Point A2 on site plan in schedule 2]	Particulate matter	25mg/m3	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/m3	Spot sample	1.64	BS EN 13284:1	27/8/24 9:15 – 10:15	0.67
A6 [Point A6 on site plan in Schedule 2]	Particulate matter	25mg/m3	Spot sample	7.4	BS EN 13284:1	27/8/24 12:10 – 13:10	0.73
A7 [Point A7 on site plan in schedule 2]	Particulate matter	5mg/m3	Spot sample	0.71	BS EN 13284:1	27/8/24 10:30 – 11:30	0.63

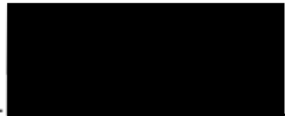
Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A1 [Point A1 on site plan in schedule 2]	Particulate matter	25mg/m3	Spot sample	1.35	BS EN 13284:1	28/11/24 9:50 – 10:50	1.03
A1 [Point A1 on site plan in schedule 2]	Ammonia	30mg/m3	Spot sample	15	BS EN 14791	28/11/24 9:50 – 10:50	1.73
A1 [Point A1 on site plan in schedule 2]	Total Cyanide	-	Spot sample	0.02	US EPA OTM 29	28/11/24 11:05.0 – 12:05	0.03
A1 [Point A1 on site plan in schedule 2]	Oxides of nitrogen	100mg/m3	Spot sample	75	BS EN 14792:2017	28/11/24 9:50 – 10:50	2.1
A1 [Point A1 on site plan in schedule 2]	Sulphur dioxide	20mg/m3	Spot sample	4.9	AM-PD CENT'S 17021:2017	28/11/24 9:50 – 10:50	1.5
A1 [Point A1 on site plan in schedule 2]	Carbon monoxide	100mg/m3	Spot sample	136	BS EN 15058:2017	28/11/24 9:50 – 10:50	1.7
A2 [Point A2 on site plan in schedule 2]	Particulate matter	25mg/m3	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/m3	Spot sample	1.51	BS EN 13284:1	28/11/24 11:30 – 12:30	1.2
A6 [Point A6 on site plan in Schedule 2]	Particulate matter	25mg/m3	Spot sample	4.81	BS EN 13284:1	29/11/24 8:40 – 9:40	1.57
A7 [Point A7 on site plan in schedule 2]	Particulate matter	5mg/m3	Spot sample	1.37	BS EN 13284:1	28/11/24 12:40 – 13:40	0.96

[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 
(Authorised to sign as representative of Operator)

Date 20/2/2024

Permit Number: BP3532HX Operator: Kennametal UK Ltd

Installation: Newport Ceramics Form Number: Energy1

Reporting of Energy Usage for the year 2024


Energy Source	Energy Usage		Specific Usage (MW/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	4902 MWh	11765	23.85 MWh/tonne product
Natural Gas	0 tonnes	n/a	n/a
TOTAL	5445 MWh	13068 MWh	23.85 MWh/tonne product

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

The specific energy usage has been calculated based on powder production and hot pressing. Although powder production and hot pressing are responsible for the majority of the electricity consumed on site, this is a slight over-estimate as some of the electricity used on site is used in the production of other products.

The specific energy usage is less than last year. Note that this figure will be affected to some degree by changes in the quantities produced of each product. Some products require more energy to produce than others.

Signed
(Author  representative of Operator)

Date: 12/2/2025

Permit Number: BP3532HX Operator: Kennametal Manufacturing UK Ltd
Installation: Newport Ceramics Form Number: WaterUsage1

Reporting of Water Usage for the year 2024

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
Mains water	1728 m ³	8.41 m ³ /tonne of product

Operator's comments :

Signed
(author as representative of Operator)

Date 12/2/2025

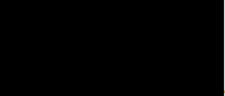
Permit Number: BP3532HX Operator: Kennametal UK Ltd
Installation: Newport Ceramics Form Number: Performance1

Reporting of other performance indicators for the period 01/01/2024 to 31/12/2024

Parameter	Units
Water usage 1728/205.5	m3/tonne product 8.41
Energy usage 4902/205.5	MWh/tonne product 23.85
Effluent released 1555/205.5	M3/tonne product 7.56

Operator's comments :

Effluent released calculated as 90% of total incoming water (mains)

Signed 
(Authorised to sign as representative of Operator)

Date... 12/02/2025...