

Permit Number: BR8212IK

Operator: Knauf Insulation Ltd

Installation: Knauf Insulation Ltd, Cwmbran

Form Number: Air2

Reporting of emissions to air for the period from 01/01/2017 to 30/06/2017

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A0	Particulate matter	35 mg/Nm ³	Extractive sample	26.83 (3 spot sample average)	BS EN 13284-1	11:00 – 13:35 13/03/2017	3.4
A1	Particulate matter	20 mg/Nm ³	Daily average	2.06	MCerts Approved	Jan – Jun 2017 93% Operational	-
A1	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	300 mg/Nm ³	Daily average	146.48	MCerts Approved	Jan – Jun 2017 93% Operational	-
A1	Carbon Monoxide	100 mg/Nm ³	Extractive sample	4.3 (3 spot sample average)	BS EN 15058	11:00 – 13:40 15/03/2017	11.6
A1	Oxides of Sulphur (as SO ₂)	150 mg/Nm ³	Extractive sample	129.3 (3 spot sample average)	BS EN14791	11:55 – 13:35 14/03/2017	15.67
A1	Gaseous Fluorides (as HF)	5 mg/Nm ³	Extractive sample	0.17 (3 spot sample average)	ISO 15713	09:15 – 10:55 15/03/2017	0.02
A1	Gaseous Chlorides (as HCl)	10 mg/Nm ³	Extractive sample	1.4 (3 spot sample average)	BS EN1911	09:30 – 11:40 14/03/2017	0.39
A1	Group 1 Metals	1 mg/Nm ³	Extractive sample	0.065 (3 spot sample average)	BS EN14385	13:50 – 15:00 14/03/2017	0.008
A1	Group 2 Metals	2 mg/Nm ³	Extractive sample	0.997 (3 spot sample average)	BS EN14385	13:50 – 15:00 14/03/2017	0.012
A3	Particulate matter	47 mg/Nm ³	Extractive sample	26.27 (3 spot sample average)	BS EN 13284-1	11:45–12:50 / 10:20–10:50 01-02/03/2017	3.2
A3	Phenol	9 mg/Nm ³	Extractive sample	0.88 (3 spot sample average)	BS EN 13649	10:10–10:15 / 09:20–11:00 01-02/03/2017	50%

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A3	Formaldehyde	5 mg/Nm ³	Extractive sample	0.38 (3 spot sample average)	USEPA 316	10:20-11:25 / 11:53-12:23 01-02/03/2017	0.05
A3	Ammonia	60 mg/Nm ³	Extractive sample	21.07 (3 spot sample average)	BSEN 14791	11:45-12:50 / 10:20-10:50 01-02/03/2017	2.6
A3	Volatile organic compounds	27 mg/Nm ³	Extractive sample	8.33 (3 spot sample average)	BS EN 12619	11:00-12:40 02/03/2017	7.5
A3	Amines	3 mg/Nm ³	Extractive sample	1.25 (3 spot sample average)	BSEN 13649	10:00-10:00 / 09:25-11:05 01-02/03/2017	50%
A4	Particulate matter	30 mg/Nm ³	Extractive sample	2.6 (3 spot sample average)	BS EN 13284-1	10:10 - 11:50 16/03/2017	1.1

- [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 authority 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)

Debra Chubb

Date... 14/07/2017

Permit Number: BR8212IK

Operator: Knauf Insulation Ltd

Installation: Knauf Insulation Ltd, Cwmbran

Form Number: Water2

Reporting of emissions to water (other than to sewer) for the period from 01/01/2017 to 30/06/2017

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1	COD	120 mg/l	Spot sample	14 mg/l	AES 1029	28/06/2017 14:30	-
W1	Total suspended solids	30 mg/l	Spot sample	<5 mg/l	AES 1041	28/06/2017 14:30	-
W1	Total hydrocarbon oil	15 mg/l	Spot sample	0.19 mg/l	AN 34	28/06/2017 14:30	-
W1	pH max	9	Spot sample	8.5	AES 1035	28/06/2017 14:30	-
W1	pH min	6	Spot sample	8.5	AES 1035	28/06/2017 14:30	-

- [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.

Doreen Chubb

Date... 14/07/2017

.....

Signed
(Authorised to sign as representative of Operator)