



Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Attention of: Siân McGregor-Andrew – Regulatory Officer, Industry Regulation Team

24th January 2019

Dear Ms McGregor-Andrew

**Re: Quarter 4 Monitoring Report for 2019 - Permit Number: EPR/BR9383ID/V009 until 28/11/18,
then Permit Number: EPR/BR9383ID/V010 from 29/11/18**

Please find enclosed the completed emissions reporting forms for the period from 1st October 2018 to 31st December 2018.

I trust this information is satisfactory, however, please do not hesitate to contact me should you require any further information.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Graham Jones', with a stylized flourish at the end.

Graham Jones
Process and Energy Manager

Permit Number: EPR/BR9383ID

Operator: Knauf Insulation Ltd

Facility: Queensferry Mineral Fibre Works

Form Number: Air1a

Reporting of emissions to air for the quarter from 1st October to 31st December 2018 Continuous Emissions Monitoring:

Emission Point	Substance / Parameter	Emission Limit Value	Month 1 Average of daily average values	Month 1 Maximum Daily average value	Month 2 Average of daily average values	Month 2 Maximum Daily average value	Month 3 Average of daily average values	Month 3 Maximum Daily average value
A	Particulate Matter	20 mg/m3	1.882	2.886	1.699	2.482	1.870	3.281
A	Oxides of Nitrogen (expressed as NO ₂)	300 mg/m3	143.2	177.1	115.5	132.5	121.9	140.7
A	Oxides of Sulphur (expressed as SO ₂)	1350 mg/m3	1131	1304	1147	1259	1148	1347
A	Carbon Monoxide	80 mg/m3	23.88	75.84	51.33	145.2 (*)	18.34	49.92

Note. (*) Carbon monoxide limit exceeded – EP_EX 214 refers. Cupola emission burner temperature set point increased in November.

Signed
(Authorised to sign as representative of Operator)

Date.....24/1/2019

Permit Number: EPR/BR9383ID

Operator: Knauf Insulation Ltd

Facility: Queensferry Mineral Fibre Works

Form Number: Air1c

Reporting of emissions to air for the 6 month period 1st July to 31st December 2018 Point C, Mainline forming stack

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Sample Date and Times	Result ^[2]	Sample Date and Times	Result ^[3]	Sample Date and Times
C	Particulate Matter	50 mg / m ³	60.7 (*)	18/10/2018 09:05 – 09:20 09:23 – 09:38 09:41 – 09:56 09:59 – 10:14	41.3	18/10/2018 11:00 – 11:15 11:17 – 11:32 11:35 – 11:50 11:52 – 12:07	62.8 (*)	18/10/2018 12:17 – 12:32 12:35 – 12:50 12:53 – 13:08 13:11 – 13:26
C	Volatile Organic Compounds as C	30 mg / m ³	25.1	17/10/2018 17:00 – 17:30	26.7	17/10/2018 17:31 – 18:01	27.0	17/10/2018 18:02 – 18:32
C	Ammonia	50 mg / m ³	16.0	18/10/2018 09:05 – 09:20 09:23 – 09:38 09:41 – 09:56 09:59 – 10:14	13.2	18/10/2018 11:00 – 11:15 11:17 – 11:32 11:35 – 11:50 11:52 – 12:07	21.9	18/10/2018 12:17 – 12:32 12:35 – 12:50 12:53 – 13:08 13:11 – 13:26
C	Formaldehyde	5 mg / m ³	1.3	17/10/2018 14:40 – 15:10	1.5	17/10/2018 15:20 – 15:50	1.8	17/10/2018 16:20 – 16:50
C	Phenol	10 mg / m ³	< 0.16	18/10/2018 08:45 – 09:45	< 0.16	18/10/2018 09:50 – 11:20	< 0.16	18/10/2018 11:30 – 12:30
C	Amines	3 mg/m ³	< 1.3	18/10/2019 08:45 – 09:45	< 1.3	18/10/2018 09:50 – 11:25	< 1.3	18/10/2018 11:30 – 12:30

Note: All results are expressed in mg/Nm³ without correction for water vapour.

Note: (*) Particulate matter limit exceeded EP_EX_217 refers.

Signed



(Authorised to sign as representative of Operator)

Date.....24/1/2019

Permit Number: EPR/BR9383ID/V009

Operator: Knauf Insulation Ltd

Facility: Queensferry Mineral Fibre Works

Form Number: Air1c

Reporting of emissions to air for the 3 month period for 1st October to 31st December 2018 Point G, Cooling Zone Stack

Emission Point	Substance / Parameter	Emission Limit Value	Result 1	Sample Date and Time	Result 2	Sample Date and Time	Result 3	Sample date and Time
G	Particulate Matter	10 mg/m ³	7.8	16/10/2018 09:40 – 10:10 10:12 – 10:42	7.1	16/10/2018 10:46 – 11:16 11:18 – 11:48	6.8	16/10/2018 11:51 – 12:21 12:23 – 12:53
G	Ammonia	10 mg/m ³	15.8 (*)	16/10/2018 09:40 – 10:10 10:12 – 10:42	<0.03	16/10/2018 10:46 – 11:16 11:18 – 11:48	11.7 (*)	16/10/2018 11:51 – 12:21 12:23 – 12:53

Note: Ammonia emission limit exceeded EP_EX_219 refers.

Signed
(Authorised to sign as representative of Operator)

Date.....24/1/2019

Permit Number: EPR/BR9383ID/V009

Operator: Knauf Insulation Ltd

Facility: Queensferry Mineral Fibre Works

Form Number: Air1c

Reporting of emissions to air for the 3 month period for 1st October to 31st December 2018 Point Y, Cold End Dust Extraction No.2

Emission Point	Substance / Parameter	Emission Limit Value	Result 1	Sample Date and Time	Result 2	Sample Date and Time	Result 3	Sample date and Time
Y	Particulate Matter	10 mg/m ³	0.39	15/10/18 14:05 - 14:35 14:37 - 15:07	1.63	15/10/18 15:11 - 15:41 15:43 - 16:13	0.40	15/10/2018 16:16 – 16:46 16:48 – 17:18

Signed 
(Authorised to sign as representative of Operator)

Date.....24/1/2019

Permit Number: EPR/BR9383ID

Operator: Knauf Insulation Ltd

Facility: Queensferry Mineral Fibre Works

Form Number: Water1

Reporting of emissions to water (other than to sewer) for the six months from 1st July to 31st December 2018

Emission Point	pH	Suspended Solids	COD	Sample Date	Sample Time
L3	6.95	12.5	30.6	5/12/2018	09:40
L4	8.04	40.4	34.3	5/12/2018	09:20
L5	7.43	9.15	< 7	5/12/2018	08:40
L6	7.13	7.15	17.9	5/12/2018	08:30

Signed

(Authorised to sign as representative of Operator)



Date.....24/1/2019