



Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Attention of: Stuart Ross – Regulatory Officer, Industry Regulation Team

28th January 2020

Dear Mr Ross

Re: Quarter 4 Monitoring Report for 2019 - Permit Number: EPR/BR9383ID/V010

Please find enclosed the completed emissions reporting forms for the period from 1st October 2019 to 31st December 2019.

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 black ink, appearing to read 'Keouski'.

Claire Keouski
Environmental Manager

Permit Number: EPR/BR9383ID/V008

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 2019

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	30 mg/m ³	0.481	1.623	0.58	2.16	1.07	2.97
A	Oxides of Nitrogen (expressed as NO ₂)	300 mg/m ³	170.73	261.13	102.99	243.94	100.30	161.88
A	Oxides of Sulphur (expressed as SO ₂)	1350 mg/m ³	1155.35	1506.77	932.54	2154.43	870.73	1299.70
A	Carbon Monoxide	80 mg/m ³	24.74	48.12	14.11	66.38	6.51	17.14

Note. All concentration values are in mg/N m³ @ 8% O₂ Dry Gas.

In month 1, the highest Maximum Daily Averages for Oxides of Sulphur was reported as un-authorized release on 3rd October (Reference Number EP_EX_242).

In month 2, the highest Maximum Daily Averages for Oxides of Sulphur was not a 'real concentration' due to an inaccurate oxygen reading increase; thus, the SO₂ values were not being corrected to the specified reference conditions. The issue was reported to NRW by email on 27th November and a Part A Notification submitted on 3rd December (Reference Number EP_EX_245).

Signed 
(Authorised to sign as representative of Operator)

Date.....28/01/2020

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 2019

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	25.1	12/11/2019 10:37 to 11:45	22.9	12/11/2019 11:44 to 12:52	25.0	12/11/2019 12:55 to 14:00
C	Volatile Organic Compounds as C	30 mg / m ³	13.6	12/11/2019 10:29 to 10:59	14.9	12/11/2019 11:00 to 11:30	16.8	12/11/2019 11:31 to 12:31
C	Ammonia	50 mg / m ³	25.9	12/11/2019 10:37 to 11:45	30.9	12/11/2019 11:44 to 12:52	35.8	12/11/2019 12:55 to 14:00
C	Formaldehyde	5 mg / m ³	0.1	12/11/2019 14:08 to 14:38	0.2	12/11/2019 14:45 to 15:15	0.2	12/11/2019 15:20 to 15:50
C	Phenol	10 mg / m ³	3.33	12/11/2019 13:41 to 14:11	3.67	12/11/2019 14:15 to 14:45	3.98	12/11/2019 14:55 to 15:25
C	Amines	3 mg/m ³	<0.36	12/11/2019 10:29 to 11:29	<0.44	12/11/2019 11:33 to 12:33	<0.43	12/11/2019 12:38 to 13:38

Signed *Keaush*
(Authorised to sign as representative of Operator)

Date.....28/01/2020

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 1st October to 31st December 2019

Point A, Cupola After Oxidiser 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
A	Chlorides (expressed as hydrogen chloride)	10 mg/m ³	0.45	11/11/2019 16:14 to 16:44	1.11	11/11/2019 17:10 to 17:50	0.93	11/11/2019 17:54 to 18:24

Signed *Keamsh.*
(Authorised to sign as representative of Operator)

Date.....28/01/2020

Permit Number: EPR/BR9383ID/V009

Operator: Knauf Insulation Ltd

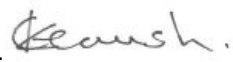
Facility: Queensferry Mineral Fibre Works

Form Number: Air1c

Reporting of emissions to air for the 3 month period for 1st October to 31st December

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	7.5	12/11/2019 16:41 to 17:23	7.3	12/11/2019 17:35 to 18:18	7.7	12/11/2019 18:20 to 19:02
G	Ammonia	10 mg/m ³	2.6	12/11/2019 16:41 to 17:23	2.2	12/11/2019 17:35 to 18:18	1.8	12/11/2019 18:20 to 19:02

Signed 
(Authorised to sign as representative of Operator)

Date.....28/01/2020

Permit Number: EPR/BR9383ID

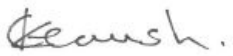
Operator: Knauf Insulation Ltd

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 2019

Emission Point	pH	Suspended Solids	COD	Sample Date	Sample Time
L3	7.49	24.3	12.4	13/11/19	13:30
L4	7.79	6.45	11.8	13/11/19	14:00
L5	7.74	80.0	33.5	13/11/19	12:25
L6	7.83	8.75	24.9	13/11/19	12:50

Signed 
(Authorised to sign as representative of Operator)

Date.....28/01/2020