



Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Attention of: Elizabeth Voice – Regulatory Officer, Industry Regulation Team

26th January 2018

Dear Ms Voice

Re: Quarter 4 Monitoring Report for 2017 - Permit Number: EPR/BR9383ID

Please find enclosed the completed emissions reporting forms for the period from 1st October 2017 to 31st December 2017.

As requested, by email on 22nd January 2018, the reporting of emissions to water (other than sewer) for six monthly period (1st July-31st December 2017) have been recorded herein (in addition to the annual reporting forms).

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
HSE 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 2017 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/m ³	1.92	3.52	2.20	3.05	2.23	3.96
A	Oxides of Nitrogen (expressed as NO ₂)	300 mg/m ³	112.08	203.99	120.22	145.06	105.89	137.99
A	Oxides of Sulphur (expressed as SO ₂)	1350 mg/m ³	894.86	1565.28	1049.35	1206.44	926.41	1179.67
A	Carbon Monoxide	80 mg/m ³	26.12	82.37	21.71	60.20	34.92	164.56

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

In month 1, the high Maximum Daily Average for Carbon Monoxide was reported an un-authorized release on 24th October (Reference Number EP_EX_187). The Maximum Daily Average for Oxides of Sulphur was reported as an un-authorized release on 3rd October (Reference Number EP_EX_184).

In month 3, the high Maximum Daily Average value for Carbon Monoxide was reported as un-authorized release on 30th December (Reference Numbers EP_EX_192).

Signed 
(Authorised to sign as representative of Operator)

Date.....22/01/2018

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 2017 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	81.4	31/10/2017 13:30 to 14:35	40.4	31/10/2017 14:40 to 15:45	41.7	31/10/2017 15:50 to 16:55
C	Volatile Organic Compounds as C	30 mg/m ³	11.0	30/10/2017 16:40 to 17:10	10.3	30/10/2017 17:12 to 17:42	11.6	30/10/2017 17:47 to 18:10
C	Ammonia	50 mg/m ³	27.9	31/10/2017 13:30 to 14:35	25.3	31/10/2017 14:40 to 15:45	49.6	31/10/2017 15:50 to 16:55
C	Formaldehyde	5 mg/m ³	1.6	30/10/2017 15:20 to 16:30	3.4	30/10/2017 16:35 to 17:45	4.1	30/10/2017 17:50 to 19:00
C	Phenol	10 mg/m ³	2.8	30/10/2017 14:45 to 14:50	<0.57	30/10/2017 16:45 to 16:50	<0.57	31/10/2017 15:23 to 15:27
C	Amines	3 mg/m ³	<2.3	30/10/2017 14:57 to 15:02	<2.3	30/10/2017 16:57 to 17:02	<2.3	31/10/2017 15:37 to 15:42

Note: The monitoring results recorded a concentration of Particulate Matter (Run 1) in excess of the Emission Limit Values. This was reported as an un-authorized release on 29th December 2017 following receipt of validated results (Reference EP_EX_191).

A re-test for Particulate Matter was undertaken on 5th December 2017 to show compliance.

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	43.0	05/12/2017 09:00 to 10:03	N/A	N/A	N/A	N/A

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

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

Date.....23/01/2018

Permit Number: EPR/BR9383ID

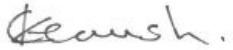
Operator: Knauf Insulation Ltd

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 2017

Emission Point	pH	Suspended Solids	COD	Sample Date	Sample Time
L3	7.5	4.05	<7	15/12/2017	12:40
L4	7.71	3.7	<7	15/12/2017	12:50
L5	7.73	376	81.7	15/12/2017	11:50
L6	7.93	71.9	55.6	15/12/2017	11:40

Signed 
(Authorised to sign as representative of Operator)

Date.....22/01/2018