



Natural Resources Wales  
Chester Road  
Buckley  
Flintshire  
CH7 3AJ

Attention of: Alison Soper – Regulatory Officer PPC/RSR

15<sup>th</sup> January 2015

Dear Mrs Soper

**Re: Quarter 4 Monitoring Report for 2014 - Permit Number: EPR/BR9383ID/V005**

Please find enclosed the completed emissions reporting forms for the period from 1<sup>st</sup> October 2014 to 31<sup>st</sup> December 2014.

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

Yours sincerely

**Claire Hensley**  
**HSE Manager**

Permit Number: EPR/BR9383ID/V005

Operator: Knauf Insulation Ltd

Facility: Queensferry Mineral Fibre Works

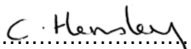
Form Number: Air1a / 011208

**Reporting of emissions to air for the quarter from 1<sup>st</sup> October to 31<sup>st</sup> December 2014:**

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 <sup>3</sup>	0.52	1.87	0.99	1.75	0.76	2.51
A	Oxides of Nitrogen (expressed as NO <sub>2</sub> )	300 mg/m <sup>3</sup>	102.11	143.3	103.70	140.36	67.0	141.31
A	Oxides of Sulphur (expressed as SO <sub>2</sub> )	1350 mg/m <sup>3</sup>	665.94	1018.75	725.29	1058.77	397.33	861.50
A	Carbon Monoxide	80 mg/m <sup>3</sup>	22.88	83.73	9.21	34.20	5.41	18.40

Note. All concentration values are in mg/N m<sup>3</sup> @ 8% O<sub>2</sub> Dry Gas.

The high Maximum Daily Average values in month 1 for Carbon Monoxide were reported as un-authorized releases on 14<sup>th</sup> January 2015 (Reference Numbers EP\_EX 144 and EP\_EX 145).

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

Date.....15/01/2015

Permit Number: EPR/BR9383ID/V005

Operator: Knauf Insulation Ltd

Facility: Queensferry Mineral Fibre Works

Form Number: Air1c / 011208

**Reporting of emissions to air for the 6 month period from 1<sup>st</sup> July to 31<sup>st</sup> December 2014:**

Emission Point	Substance / Parameter	Emission Limit Value	Result <sup>[1]</sup>	Sample Date and Times	Result <sup>[2]</sup>	Sample Date and Times	Result <sup>[3]</sup>	Sample Date and Times
C	Particulate Matter	50 mg / m <sup>3</sup>	41.6	13/10/2014 11:08 to 12:12	35.8	13/10/2014 13:06 to 14:29	43.5	13/10/2014 14:42 to 15:45
C	Volatile Organic Compounds as C	50 mg / m <sup>3</sup>	11.52	13/10/2014 11:48 to 12:48	18.26	13/10/2014 12:49 to 14:00	15.38	13/10/2014 14:01 to 15:01
C	Ammonia	50 mg / m <sup>3</sup>	21.9	14/10/2014 11:17 to 12:17	22.8	14/10/2014 13:24 to 14:24	32	15/10/2014 10:08 to 12:10
C	Formaldehyde	10 mg / m <sup>3</sup>	0.0664	31/10/2014 13:02 to 14:06	0.148	31/10/2014 14:14 to 15:18	0.138	31/10/2014 15:25 to 16:28
C	Phenol	10 mg / m <sup>3</sup>	<0.40	14/10/2014 11:18 to 12:18	<0.38	14/10/2014 13:22 to 14:22	<0.27	15/10/2014 09:31 to 10:31
C	Amines	20 mg/m <sup>3</sup>	<0.31	13/10/2014 11:08 to 12:08	<0.43	13/10/2014 13:06 to 14:29	<0.39	13/10/2014 14:42 to 15:42

Note: All results are expressed in mg/Nm<sup>3</sup> without correction for water vapour.

In accordance with Condition 3.1.4, the uncertainty error has been subtracted from the measured values, with the exception of the non-detect results, where the limit of detection for the pollutant has been recorded.

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

Date.....15/01/2015

Permit Number: EPR/BR9383ID/V005

Operator: Knauf Insulation Ltd

Facility: Queensferry Mineral Fibre Works

Form Number: Air1h/011208

**Reporting of upwind and downwind emissions for the 6 month period from 1<sup>st</sup> July to 31<sup>st</sup> December 2014:**

	Upwind Boundary	Downwind Boundary
Formaldehyde mg/Nm <sup>3</sup>	0.0066	0.0066
Phenol mg/Nm <sup>3</sup>	<0.11	<0.11
Ammonia mg/Nm <sup>3</sup>	<0.0044	0.013

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

Date.....15/01/2015

Permit Number: EPR/BR9383ID/V005

Operator: Knauf Insulation Ltd

Facility: Queensferry Mineral Fibre Works

Form Number: Sewer1/011208

**Reporting of emissions to sewer for the quarter from 1<sup>st</sup> October to 31<sup>st</sup> December 2014:**

Parameter	Sample Date and Time						
	21/11/2014	11/12/2014					
	13:00	13:40					
Phenol mg/l	1.11	57.7					
Total phenolic mg/l	1.18	59.10					
Formaldehyde mg/l	1.53	15.4					
Fluoride mg/l	<0.5	0.7					
Ammonia mg/l	15.7	192					
pH	7.69	7.42					
COD mg/l	1370	5360					
Total Suspended Solids mg/l	143	610					
Oil and Grease mg/l	1.84	48.5					
Averaging Flow m <sup>3</sup> / hour (limit 2.5m <sup>3</sup> / hr)	2.052	1.476					
Total Batch Volume	47.2	137.27					

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

Date.....15/01/2015