



Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Attention of: Alison Soper – Regulatory Officer PPC/RSR

1st July 2015

Dear Mrs Soper

Re: Quarter 2 Monitoring Report for 2015 - Permit Number: EPR/BR9383ID/V005

Please find enclosed the completed emissions reporting forms for the period from 1st April 2015 to 30th June 2015.

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 1st April to 30th June 2015:

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/m3	1.25	3.047	1.03	3.15	1.79	2.46
A	Oxides of Nitrogen (expressed as NO ₂)	300 mg/m3	100.69	166.52	87.5	166.05	111.82	159.86
A	Oxides of Sulphur (expressed as SO ₂)	1350 mg/m3	722.97	1320.81	653.68	1276.99	929.87	1344.39
A	Carbon Monoxide	80 mg/m3	10.57	28.14	11.75	65.15	11.27	33.52

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

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

Date.....01/07/2015

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 quarter from 1st April to 30th June 2015:

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	23.15	14/04/2015 13:15 to 14:18	20.27	14/04/2015 14:25 to 15:28	26.09	15/04/2015 11:50 to 12:53
C	Volatile Organic Compounds as C	50 mg / m ³	6.62	14/04/2015 13:15 to 14:15	8.45	14/04/2015 14:16 to 15:16	8.93	15/04/2015 10:15 to 11:15
C	Ammonia	50 mg / m ³	45.7	13/04/2015 12:41 to 13:41	0.0676*	13/04/2015 13:47 to 14:48	30.1	13/04/2015 14:52 to 15:52
C	Formaldehyde	10 mg / m ³	0.8732	14/04/2015 13:15 to 14:18	0.0849	14/04/2015 14:25 to 15:28	0.0507	15/04/2015 11:50 to 12:53
C	Phenol	10 mg / m ³	1.58	14/04/2015 14:36 to 15:36	<0.27	15/04/2015 10:38 to 11:38	<0.29	15/04/2015 11:53 to 12:53
C	Amines	20 mg/m ³	<0.23	13/04/2015 13:07 to 14:07	<0.23	13/04/2015 14:08 to 15:09	<0.39	14/04/2015 13:29 to 14:29

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

* Ammonia run 3 deemed erroneous

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.....01/07/2015

Permit Number: EPR/BR9383ID/V005

Operator: Knauf Insulation Ltd

Facility: Queensferry Mineral Fibre Works

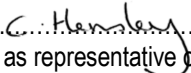
Form Number: Air1h/011208

Reporting of upwind and downwind emissions for the 6 month period from 1st January to 30th June 2015:

	Upwind Boundary	Downwind Boundary
Formaldehyde mg/Nm ³	0.00018	0.00078
Phenol mg/Nm ³	< 0.023	< 0.012
Ammonia mg/Nm ³	<0.00093	< 0.00094

Note: All results are expressed in mg/Nm³.

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 
(Authorised to sign as representative of Operator)

Date.....01/07/2015

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 1st April to 30th June 2015:

Parameter	Sample Date and Time						
	05/05/2015	26/05/2015	15/06/2015				
	13:00	14:20	17:20				
Phenol mg/l	16.90	5.32	2.22				
Total phenolic mg/l	29.10	14.20	2.60				
Formaldehyde mg/l	17.90	6.18	10.30				
Fluoride mg/l	0.7	0.686	0.691				
Ammonia mg/l	43.30	35.20	45				
pH	7.93	7.6	7.44				
COD mg/l	1970	711	735				
Total Suspended Solids mg/l	172	150	108				
Oil and Grease mg/l	6.85	2.39	1.2				
Averaging Flow m ³ / hour (limit 2.5m ³ / hr)	1.615	2.398	1.588				
Total Batch Volume	98.51	117.51	38.65				

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

Date.....01/07/2015