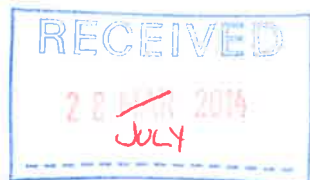


Q2 2014



Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Attention of: Alison Soper – Regulatory Officer PPC/RSR

28th July 2014

Dear Mrs Soper

Re: Quarter 2 Monitoring Report for 2014 - Permit Number: EPR/BR9383ID/V005

Please find enclosed the completed emissions reporting forms for the period from 1st April 2014 to 30th June 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
Environmental Manager

MONITORING RETURNS N. WALES

	INITIALS	DATE
CHECKED VS AUTHORISATION	AS	31/7/14
TRACKING	JB	30.7.14
OK FOR PUBLIC REGISTER	AS	31/7/14
	JB	EOR



KNAUF INSULATION LTD.
CHEMISTRY LANE, QUEENSFERRY, FLINTSHIRE, CH5 2DB, UK.
TEL: 01244 532001 FAX: 01244 525517
www.knaufinsulation.co.uk

REGISTERED OFFICE: STAFFORD ROAD, ST HELENS, MERSEYSIDE, WA10 2NS, UK. REGISTERED IN ENGLAND, COMPANY NUMBER 1076847

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 2014:

Emission Point	Substance / Parameter	Emission Limit Value	Month 1		Month 2		Month 3	
			Average of daily average values	Maximum Daily average value	Average of daily average values	Maximum Daily average value	Average of daily average values	Maximum Daily average value
A	Particulate Matter	30 mg/m3	1.28	3.38	0.49	2.18	To be reported	To be reported
A	Oxides of Nitrogen (expressed as NO2)	300 mg/m3	132.47	187.30	115.15	232.83	To be reported	To be reported
A	Oxides of Sulphur (expressed as SO2)	1350 mg/m3	745.29	1044.66	697.43	1315.88	To be reported	To be reported
A	Carbon Monoxide	80 mg/m3	27.73	291.87	24.45	121.70	To be reported	To be reported

Note. All concentration values are in mg/N m³ @ 8% O₂ Dry Gas. The high Maximum Daily Average values in months 1, 2 and 3 for Carbon Monoxide were reported as unauthorised releases on 9th April (Reference Number EP_EX_132) and 21st May (Reference Number EP_EX_134).

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

Date.....28/07/2014



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 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/m3	1.28	3.38	0.49	2.18	1.26	3.28
A	Oxides of Nitrogen (expressed as NO2)	300 mg/m3	132.47	187.30	115.15	232.83	133.7	177.67
A	Oxides of Sulphur (expressed as SO2)	1350 mg/m3	745.29	1044.66	697.43	1315.88	798.60	1087.14
A	Carbon Monoxide	80 mg/m3	27.73	291.87	24.45	121.70	56.59	954.29

Note. All concentration values are in mg/N m³ @ 8% O₂ Dry Gas. The high Maximum Daily Average values in months 1, 2 and 3 for Carbon Monoxide were reported as unauthorised releases on 9th April (Reference Number EP_EX_132); 21st May (Reference Number EP_EX_134) and 30th June (Reference Number EP_EX_135).

Signed C. Hambley Date.....01/08/2014
 (Authorised to sign as representative of Operator)

AWAITING RETURNS N. WALFS

CHECKED VS AUTHORISATION
 TRACKING
 OK FOR PUBLIC REGISTER

INITIALS DATE
 AS 6/8/14
 JB 4-8-14
 AS 6/8/14

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 2014:

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	15.4	10/04/2014 10:47 to 11:51	18.31	10/04/2014 12:37 to 13:41	45.5	10/04/2014 14:14 to 15:17
C	Volatile Organic Compounds as C	50 mg / m ³	33.4	10/04/2014 08:38 to 09:38	43.0	10/04/2014 09:39 to 10:39	35.2	10/04/2014 10:40 to 11:40
C	Ammonia	50 mg / m ³	29.2	09/04/2014 07:56 to 08:56	30.1	09/04/2014 09:15 to 10:15	31.1	09/04/2014 10:38 to 11:38
C	Formaldehyde	10 mg / m ³	3.14	10/04/2014 10:47 to 11:51	3.32	10/04/2014 12:37 to 13:41	6.46	10/04/2014 14:14 to 15:17
C	Phenol	10 mg / m ³	0.203	11/04/2014 10:43 to 11:43	0.132	11/04/2014 11:51 to 12:51	0.211	11/04/2014 12:59 to 13:59
C	Amines	20 mg/m ³	<0.076	10/04/2014 13:04 to 14:04	<0.087	10/04/2014 14:11 to 15:11	<0.082	11/04/2014 10:43 to 11:43

Note: All results are expressed in mg/Nm³ 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

Date.....28/07/2014

Permit Number: EPR/BR9383ID/V005 Operator: Knauf Insulation Ltd
 Facility: Queensferry Mineral Fibre Works Form Number: Air1g / 011208

Reporting of boundary dust emissions for the quarter from 1st April to 30th June 2014:

Sample No.	Sample Date	Sampling Duration Days	Apparent Deposition Rate mg/m ² /day				Comments
			Head No 1	Head No 2	Head No 3	Head No 4	
366	01/04/2014	14	212	128	48	50	
367	15/04/2014	14	119	123	75	63	
368	29/04/2014	14	94	90	107	188	
369	13/05/2014	14	141	487	142	257	
370	27/05/2014	14	374	248	42	26	
371	10/06/2014	14	303	117	152	53	
372	24/06/2014	14	51	76	11	16	

Signed *G. Hambley* Date 28/07/2014
 (Authorised to sign as representative of Operator)

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 2014:

	Upwind Boundary	Downwind Boundary
Formaldehyde mg/Nm ³	<0.00094	< 0.00050
Phenol mg/Nm ³	< 0.024	< 0.0013
Ammonia mg/Nm ³	<0.00094	< 0.0030

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.....28/07/2014

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 2014:

Parameter	Sample Date and Time	
	02/05/2014 14:10	27/05/2014 14:45
Phenol mg/l	3.19	0.78
Total phenolic mg/l	3.28	0.9
Formaldehyde mg/l	2.8	0.657
Fluoride mg/l	<0.5	<0.5
Ammonia mg/l	11.7	5.04
pH	7.41	8.16
COD mg/l	379	165
Total Suspended Solids mg/l	166	205
Oil and Grease mg/l	<1	1.69
Averaging Flow m ³ / hour (limit 2.5m ³ / hr)	1.185	1.997
Total Batch Volume	83.51	50.42

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

Date 28/07/2014

