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26 JUN 2013

Mrs Alison Soper
Natural Resources Wales
Chester Road
Buckley
Flintshire CH7 3AJ

26th July 2013

Dear Alison Soper,

Quarter 2 Monitoring Report 2013 – Permit Number EA/EPR/BR9383ID/V005

Please find enclosed the completed emissions reporting forms for the quarter 1st April 2013 to 30th June 2013.

Should you require any further information please contact me directly.

Yours Sincerely,
On behalf of Knauf Insulation Limited

B. K. Pratley
B.K. Pratley,
Environmental Manager

BS EN ISO 9002:1994



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FM12162

KNAUF INSULATION LTD.

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REGISTERED OFFICE: STAFFORD ROAD, ST HELENS, MERSEYSIDE, WA10 3NS, UK. REGISTERED IN ENGLAND. COMPANY NUMBER 1926842

MONITORING RETURNS N. WALES

	INITIALS	DATE
CHECKED vs AUTHORIZATION	AS	2/8/13
TYPING	JB	2.7.13
OK FOR PUBLIC REGISTER	AS	2/8/13
	JB	EDem

Permit Number: EA/EPR/BR9383D/V003
 Facility: Queensferry Mineral Fibre Works

Operator: Knauf Insulation Ltd
 Form Number: Air1a /011208

Reporting of emissions to air for the quarter from 1st April to 30th June 2013.

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/m ³	1.47	9.58	1.06	10.72	0.64	1.40			
A	Oxides of Nitrogen (expressed as NO ₂)	300 mg/m ³	163.31	190.99	148.50	191.11	150.84	173.18			
A	Oxides of Sulphur (expressed as SO ₂)	1350 mg/m ³	1048.99	1310.46	919.22	1238.45	1003.06	1138.18			
A	Carbon Monoxide	80 mg/m ³	23.58	202.67	27.13	398.36	23.06	56.69			

Note. The high maximum Daily Averages seen in Months 1 and 2 were reported as un-authorised releases (References: EP_EX_106; EP_EX_107; EP_EX_109; and EP_EX_110).

Signed
 (Authorised to sign as representative of Operator)

Date 26/07/2013.

B.K. Prathap

Permit Number: EAEPR/BR9383ID/V003 Operator: Knauf Insulation Ltd
 Facility: Queensferry Mineral Fibre Works Form Number: Air/c /011208

Reporting of emissions to air for the 6 month period 1st January to 30th June 2013.

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	35	04/04/2013 14:15 – 15:15	24	05/04/2013 09:33 – 10:36	30	05/04/2013 13:35 – 14:40
C	Volatile Organic Compounds as C	50 mg / m ³	26	17/06/2013 11:13 – 12:13	32	17/06/2013 12:14 – 13:14	36	17/06/2013 13:15 – 13:13
C	Ammonia	50 mg / m ³	35	04/04/2013 09:27 – 10:27	39	04/04/2013 11:00 – 12:00	18	04/04/2013 12:09 – 13:09
C	Formaldehyde	10 mg / m ³	0.025	04/04/2013 10:25 – 11:35	0.029	04/04/2013 13:15 – 14:18	0.036	04/04/2013 14:27 – 15:30
C	Phenol	10 mg / m ³	2.6	04/04/2013 10:31 – 11:31	2.2	04/04/2013 12:09 – 13:09	1.3	04/04/2013 14:10 – 15:10
C	Amines	20 mg/m ³	0.075	03/04/2013 13:16 – 14:16	0.087	03/04/2013 14:27 – 15:27	0.079	04/04/2013 09:20 – 10:20

The initial VOC monitoring carried out on 4th April 2013 recorded two out of three VOC results in excess of the Emission Limit Value. This was reported as an un-authorised release on 8th May 2013 (Reference: EP_EX_108).

Signed *B.K. Prater* Date 26/07/2013
 (Authorised to sign as representative of Operator)

Permit Number: EA/EPR/BR9383ID/V003 Operator: Knauf Insulation Ltd
 Facility: Queensferry Mineral Fibre Works Form Number: Air/g / 011208

Reporting of boundary dust emissions for the quarter from 1st April to 30th June 2013.

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	
340	02/04/2013	14	27	43	43	162	
341	15/04/2013	13	101	97	115	203	
342	29/04/2013	14	812	350	159	173	
343	13/05/2013	14	296	251	146	189	
344	28/05/2013	15	315	1276	263	153	
345	10/06/2013	13	90	293	100	123	
346	24/06/2013	14	289	547	153	134	

Signed *B. K. Praterley* Date 26/07/2013.
 (Authorised to sign as representative of Operator)

Permit Number: EA/EPR/BS983(D)/003 Operator: Knauf Insulation Ltd
 Facility: Queensferry Mineral Fibre Works Form Number: Air/11/011208

Reporting of upwind and downwind boundary emissions for the 6 month period from 1st January to 30th June 2013.

	Upwind Boundary	Downwind Boundary
Formaldehyde mg/Nm ³	<0.00036	<0.0000036
Phenol mg/Nm ³	<0.00018	<0.00018
Ammonia mg/Nm ³	<0.0007	<0.0000071

Signed *B K Pringle* Date 26/07/2013.
 (Authorised to sign as representative of Operator)

Permit Number: EAEPR/BR9383ID/V003 Operator: Knauf Insulation Ltd
 Facility: Queenslery Mineral Fibre Works Form Number: Water1 / 011208

Reporting of emissions to water (other than to sewer) and land for the six months from 1st January to 30th June 2013.

Emission Point	pH	Suspended Solids	COD	Sample Date	Sample Time
L1	-	-	-	-	-
L2	-	-	-	-	-
L3	6.85	<2	36.1	24/05/2013	10:20
L4	6.98	25	79.2	24/05/2013	10:00
L5	7.02	27	38.7	24/05/2013	09:45
L6	6.77	4	15.8	24/05/2013	09:40

Note:- No discharge from L1 or from L2 during the reporting period

Signed *B.K. Prathap* Date26/07/2013.
 (Authorised to sign as representative of Operator)

Permit Number: EAFEP/083839ID/V003
 Facility: Queensberry Mineral Fibre Works
 Operator: Knauf Insulation Ltd
 Form Number: Sewer1/011208

Reporting of emissions to sewer for the quarter from 1st April to 30th June 2013.

Parameter	Sample Date and Time	
	15/05/2013 14:52	29/05/2013 12:50
Phenol mg/l	1.89	7.15
Total phenolic mg/l	31	24
Formaldehyde mg/l	6.95	2.9
Fluoride mg/l	<0.5	1.4
Ammonia mg/l	13.6	21.7
pH	7.53	7.51
COD mg/l	628	533
Total Suspended Solids mg/l	176	270
Oil and Grease mg/l	1.744	1.621
Averaging Flow m ³ / hour (limit 2m ³ / hr)	2.154	2.234
Total Batch Volume	77.75	92.71

Signed B.K. Prathley Date 26/07/2013
 (Authorised to sign as representative of Operator)

