



Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Attention of: Alison Soper – Regulatory Officer PPC/RSR

9th January 2015

Dear Mrs Soper

Re: Quarter 3 Monitoring Report for 2013 - Permit Number: EPR/BR9383ID/V005

Please find enclosed the completed emissions reporting forms for the period from 1st July 2014 to 30th September 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 1st July to 30th September 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 ³ | 2.13 | 3.28 | 0.37 | 1.24 | 0.12 | 0.33 |
| A | Oxides of Nitrogen (expressed as NO ₂) | 300 mg/m ³ | 139.25 | 182.67 | 87.18 | 160.10 | 89.56 | 141.29 |
| A | Oxides of Sulphur (expressed as SO ₂) | 1350 mg/m ³ | 832.87 | 1132.07 | 535.17 | 1054.91 | 570.39 | 1001.99 |
| A | Carbon Monoxide | 80 mg/m ³ | 53.19 | 323.18 | 13.93 | 52.69 | 17.43 | 67.72 |

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

The high Maximum Daily Average value in month 1 for Carbon Monoxide were reported as un-authorized releases on 2nd July (Reference Number EP_EX_136), 4th July (Reference Number EP_EX_137), 22nd July 2014 (Reference Number EP_EX_139; Reference Number EP_EX_140; and Reference Number EP_EX_141).

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

Date.....09/01/2015

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 July to 30th September 2014:

| Sample No. | Sample Date | Sampling Duration Days | Apparent Deposition Rate mg/m ² day | | | | Comments |
|------------|-------------|------------------------|--|----------|-----------|-----------|----------|
| | | | Head No 1 | Head No2 | Head No 3 | Head No 4 | |
| 373 | 08/07/2014 | 14 | 62 | 137 | 39 | 54 | |
| 374 | 22/07/2014 | 14 | 336 | 28 | 120 | 142 | |

Note. Directional boundary dust monitoring ceased from August 2014 and written confirmation received from NRW for the cessation of monitoring on 28th August 2014.

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

Date.....01/09/2014

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 July to 30th September 2014:

| Parameter | Sample Date and Time | | | | | | |
|---|----------------------|------------|------------|--|--|--|--|
| | 07/07/2014 | 14/08/2014 | 26/08/2014 | | | | |
| | 14:45 | 13:15 | 12:45 | | | | |
| Phenol mg/l | 0.21 | 83.9 | 27.5 | | | | |
| Total phenolic mg/l | 0.24 | 86 | 28 | | | | |
| Formaldehyde mg/l | <0.5 | 61.7 | 14.4 | | | | |
| Fluoride mg/l | <0.5 | 4.5 | 1.17 | | | | |
| Ammonia mg/l | 9.71 | 414 | 94.3 | | | | |
| pH | 7.43 | 7.09 | 8.34 | | | | |
| COD mg/l | 123 | 7340 | 3890 | | | | |
| Total Suspended Solids mg/l | 106 | 446 | 330 | | | | |
| Oil and Grease mg/l | <1 | 64.9 | 49.5 | | | | |
| Averaging Flow m ³ / hour (limit 2.5m ³ / hr) | 2.409 | 2.356 | 2.248 | | | | |
| Total Batch Volume | 72.27 | 173.53 | 155.87 | | | | |

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

Date.....01/09/014

Permit Number: EPR/BR9383ID/V005

Operator: Knauf Insulation Ltd

Facility: Queensferry Mineral Fibre Works

Form Number: Water1/011208

Reporting of emissions to water (other than sewer) for the six month period from 1st July to 31st December 2014:

| Emission Point | pH | Suspended Solids (mg/l) | COD (mg/l) | Sample Date | Sample Time |
|----------------|------|-------------------------|------------|-------------|-------------|
| L1 | - | - | - | - | - |
| L2 | - | - | - | - | - |
| L3 | 7.15 | 15 | <7 | 22/08/2014 | 10:00 |
| L4 | 7.4 | 3.5 | <7 | 22/08/2014 | 09:20 |
| L5 | 7.37 | 11.5 | 10.1 | 22/08/2014 | 09:05 |
| L6 | 7.64 | 533 | 127 | 22/08/2014 | 09:00 |

Note. No discharge from L1 or L2 during the monitoring period.

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

Date.....01/09/2014