

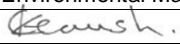
## Schedule 6 - Notification

### Part B - to be submitted as soon as practicable

|                                |   |                        |                                      |
|--------------------------------|---|------------------------|--------------------------------------|
| Permit Number                  | <b>BR9383ID</b>   | Notification Reference | <b>EP_EX_241</b><br><b>EP_EX_243</b> |
| Name of operator               | <b>Knauf Insulation Ltd</b>   |                        |                                      |
| Location of Facility           | <b>Chemistry Lane, Queensferry, Deeside, Flintshire, CH5 2DA</b>  |                        |                                      |
| Time and date of the detection | <b>EP_EX_241: 08:00 hours on 3<sup>rd</sup> October 2019</b><br><b>EP_EX_243: 11:00 hours on 28<sup>th</sup> October 2019</b> |                        |                                      |

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| Any more accurate information on the matters for notification under Part A.  | The oxygen analyser developed an issue, which resulted in an increase in oxygen readings. As a result of the inaccurate oxygen reading increase, the SO <sub>2</sub> values were not being correctly to the specific reference conditions in accordance with the environmental permit, which subsequently resulted in CEMs dated recording SO <sub>2</sub> values in excess of the ELV.   |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident   | <p>There were three call outs made by the CEMS specialist engineer in order to identify and rectify the issue. The sequence of events were as follows:</p> <p>Visit 1: upon investigation, it was suspected to be a result of a motherboard issue. A second callout was arranged to install a new motherboard. Prior to departing site and following several remote dial in checks by the CEMS engineer, the readings stabilised but once again oxygen readings became erratic. The probe could not be inspected or changed as the Plant was running and this can only be undertaken when shutdown.</p> <p>Visit 2: CEMS specialist engineer installed a new motherboard, however, the fault persisted and original motherboard was replaced. The probe could not be inspected or changed as the Plant was running and this can only be undertaken when shutdown. The fixed oxygen value remained.</p> <p>Visit 3: CEMS specialist engineer returned to site during a planned shutdown and replaced the oxygen probe. Calibration was fine and fixed oxygen value removed.</p> <p>This probe, whilst repairable, has been scrapped given its potential of a faster failure rate as opposed to a new probe and therefore, the Plant has purchased a new probe (there are two probes and the other probe was purchased new in August 2018).</p> |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission | <p>It is believed that no substances in excess of their ELVs were released given that:</p> <ul style="list-style-type: none"> <li>• The raw readings for SO<sub>2</sub> remained stable</li> <li>• The corrected results, prior to the encountered issues, were below the ELV</li> <li>• Plant trends monitored during the effected periods to look at cupola operation and stability and raw materials distribution</li> </ul>   |
| The dates of any unauthorised emissions from the facility in the preceding 24 months.  | 08/12/17, 29/12/17, 09-11/01/18, 24/01/18, 06-06/02/18, 26/03/18, 30/03/18, 17/04/18, 21/04/18, 26/04/18, 27/04/18, 16/05/18, 17/05/18, 24/05/18, 11/07/18, 03-04/09/18, 05/09/18, 07/09/18, 09/09/18, 10/09/18, 16/09/18,  |

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|--|--|
|  | 15/10/18, 16/10/18,17/10/18, 18/10/18, 19/10/18, 22/10/18, 6/11/18,<br>13/11/18, 02/01/19, 08/01/19, 10/01/19, 07/02/19, 20/02/19, 12/04/19,<br>19/04/19, 08/05/19, 12/06/19, 13/06/19, 18/06/19, 04/07/19, 08/07/19,<br>16/07/19, 06/08/19, 08/08/19, 16/08/19, 07-09/09/19, 16/09/19, 19/09/19,<br>02/10/19, 03/10/19, 25-27/10/19 |
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|------------------|---|
| <b>Name*</b>     | C. Keouski  |
| <b>Post</b>      | Environmental Manager   |
| <b>Signature</b> |  |
| <b>Date</b>      | 18 <sup>th</sup> December 2019  |

\* authorised to sign on behalf of Knauf Insulation Ltd