


Schedule 6 - Notification

Part B - to be submitted as soon as practicable

Permit Number	BR9383ID	Notification Reference	EP_EX_204 EP_EX_205 EP_EX_211 EP_EX_212 EP_EX_213
Name of operator	Knauf Insulation Ltd		
Location of Facility	Chemistry Lane, Queensferry, Deeside, Flintshire, CH5 2DA		
Time and date of the detection	6/9/18, 10/9/18, 24/10/18, 24/10/18 and 24/10/18 respectively		

<p>Any more accurate information on the matters for notification under Part A.</p>	<p>Corrected Verified daily average CO emission levels: EP_EX_204 5/9/18 EP_EX_205 7/9/18 EP_EX_211 9/9/18 EP_EX_212 10/9/18 EP_EX_213 16/9/18</p> <p>Investigation revealed that gas demand in the cupola afterburner had increased to a level where a plant upset/breakdown condition that reduced CO from the cupola to the afterburner would exceed the capability of the gas supply. The underlying reason for this was a fan failure in the Enetex (afterburner) heat recovery system reducing system efficiency. This failure was not immediately detected as plant monitoring correctly indicated that the fan motor was running at the required speed.</p> <p>During each of the instances reported there were line stops that were long enough to reduce the amount of CO generated. With this CO (a fuel) not being available to burn to maintain the burner temperature the demand on gas increases. If the demand exceeds supply the burner temperature drops and the efficiency of burning fume from the cupola reduces. In this circumstance, even though less CO is going to the afterburner is lower, the CO coming out of the afterburner increases as combustion is incomplete.</p> <p>Coke addition to cupola batch was increased from 8/9/18. This reduced gas demand by increasing CO from the cupola to the afterburner.</p> <p>The faulty fan on afterburner was replaced during the maintenance stop on 3/10/18. This reduced gas demand by increasing system heat recovery efficiency.</p> <p>Gas consumption is back at normal levels with plenty of capacity available to deal with upsets</p>
<p>Measures taken, or intended to be taken, to prevent a recurrence of the incident</p>	<p>Monitoring of fan condition and run status to be reviewed</p>
<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>	<p>It is believed that no permanent harm will result from the incidents.</p>
<p>The dates of any unauthorised emissions from the facility in the preceding 24 months.</p>	<p>25/04/2017, 23/05/17, 05/07/17, 14-15/08/17, 06/09/17, 14/09/17, 16-20/09/17, 26/09/17, 1-3/10/17, 9-11/10/17, 21/10/17, 23/10/17, 31/10/17, 08/12/17, 29/12/17, 09-11/01/18, 24/01/18, 26/03/18, 30/03/18, 17/04/18, 21/04/18, 26-27/04/18, 16/05/18, 11/7/18, 5/9/18, 7/9/18, 9/9/18, 10/9/18, 16/9/18, 15/10/18, 17/10/18, 19/10/18, 22/10/18</p>

<p>Name*</p>	<p>Graham Jones</p>
<p>Post</p>	<p>Process and Energy Manager</p>
<p>Signature</p>	
<p>Date</p>	<p>24/10/18</p>

* authorised to sign on behalf of Knauf Insulation Ltd