Schedule 6 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

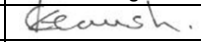
Permit Number	**BR9383ID**	**Notification Reference**	**EP_EX_189**
Name of operator	**Knauf Insulation Ltd**		
Location of Facility	**Chemistry Lane, Queensferry, Deeside, Flintshire, CH5 2DA**		
Time and date of the detection	**21st November upon receipt of direct / continuous monitoring data corrected to reference conditions**		

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	**Cupola Stack After Oxidiser Emission Point A**
Parameter(s)	**Chlorides (expressed as hydrogen chloride)**
Limit	**10mg/Nm^3**
Measured value and uncertainty	**HCl readings in excess of ELV during 48 hour direct / continuous monitoring by FTIR:** **09/10/17: Average HCl reading of 18.1mg/Nm^3 with a maximum spike of 40.0 mg/Nm^3** **10/10/17: Average HCl reading of 38.6mg/Nm^3 with a maximum spike of 132.7mg/Nm^3** **11/10/17: Average HCl reading of 24.6mg/Nm^3 with a maximum spike of 121.5mg/Nm^3**
Date and time of monitoring	**48 hour direct / continuous HCl monitoring from 09/10/17 at 16:00 hours to 11/10/17 to 12:30 hours**
Measures taken, or intended to be taken, to stop the emission	**This was a planned period (48 hours) of continuous / direct monitoring of hydrogen chloride using FTIR on Point A – Cupola Stack After Oxidiser, which was communicated to NRW on 02/10/17. The Plant's MCERTS Stack Emissions Monitoring Contractor, NWG Environmental Solutions, were employed to undertake the continuous monitoring.** **The continuous / direct monitoring covered an HCl investigation of Point A during batch/process trial, which gave real time HCl readings (raw data, minute by minute) which enabled Knauf Insulation's mineralogist to make adjustments to batch and process parameters. In addition, during this period of direct / continuous HCl monitoring, a lime injection system was further trialled, whereby the dosing rig injected hydrated lime into the duct between the Enetex W10 preheater outlet and bag filter. HCl levels were monitored by FTIR to see if the lime injection would have any effect on the emission of HCl.** **A Technical Note summarising the progress made towards addressing the improvement condition IC39 in the Environmental Permit (BR9383ID) was submitted to NRW on 08/11/17.**

Time periods for notification following detection of a breach of a limit	
Parameter	**Notification period**

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Name*	C. Keouski
Post	HSE Manager
Signature	
Date	22nd November 2017

* authorised to sign on behalf of Knauf Insulation Ltd