

## Schedule 5 - 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 PPC Regulations.

### Part A

Permit Number	<b>EPR/BL1096IB/V013</b>
Name of operator	<b>Castle Cement Limited</b>
Location of Installation	<b>Padeswood Works, Padeswood, Mold.</b>
Time and date of the detection	<b>15/08/2017 00:25</b>

#### **(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**

<b>To be notified within 24 hours of detection</b>	
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**

<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Emission point reference/ source	Main stack emissions
Parameter(s)	HCl
Limit	10 mg/Nm <sup>3</sup>
Measured value and uncertainty	10.32
Date and time of monitoring	00:00 – 00:53 14/08/2017
Measures taken, or intended to be taken, to stop the emission	The kiln was stopped in just before 1am on Monday 14 <sup>th</sup> August, due to an issue on the raw mill. The raw mill acts as a partial scrubber for the HCl on kiln emissions and due to it being off for the entire 53mins during the 14 <sup>th</sup> the HCl limit for the day was breached.

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	

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

Any more accurate information on the matters for notification under Part A.	<p>The ELV breach on 14/08/2017 only accounted for operation of the kiln for 53minutes during the 24 hour period. The kiln was stopped at 00:53 to allow issues with the raw mill to be rectified.</p> <p>The reason for the breach is due to the raw mill being off for the entire 53 minute period.</p> <p>The raw mill acts to scrub HCl from the kiln gasses and when the mill is off then the HCl emissions are always higher.</p> <p>During normal operation the raw mill will run for 75-90% of the time of the kiln, which brings the 24hr HCl average well within the ELV.</p>
Measures taken, or intended to be taken, to prevent a recurrence of the incident	<p>Following this breach a 5 day shutdown was taken to carry out remedial works on the raw mill. An overhaul of this equipment is planned for January 2018.</p> <p>However, there is little that can be done to prevent this scenario if the raw mill fails during routine operation, and a daily average can only be calculated from less than 1 hours data.</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	It is anticipated that there would have been negligible environmental impact.
The dates of any unauthorised emissions from the	23/08/2015

installation in the preceding 24 months.	10/09/2015 15/10/2015 07/12/2015 02/01/2016 13/02/2016 26/08/2016 24/11/2016 03/02/2017 30/03/2017 21/04/2017 25/04/2017 08/05/2017 24/07/2017
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<b>Name*</b>	Robert Keough
<b>Post</b>	Quality & Environmental Manager
<b>Signature</b>	Robert Keough
<b>Date</b>	23/10/17

\* authorised to sign on behalf of Castle Cement Limited