

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	EPR/BL1096IB/V012
Name of operator	Castle Cement Limited
Location of Installation	Padeswood Works, Padeswood, Mold.
Time and date of the detection	00:30 25/11/16

(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	Main stack Kiln 4
Parameter(s)	Particulates
Limit	10Mg/Nm3
Measured value and uncertainty	11.36 Mg/Nm3
Date and time of monitoring	24.11.16 00:00 – 23:29
Measures taken, or intended to be taken, to stop the emission	The kiln was restarted at 16:00 following a maintenance period and the start-up period was deemed to be over by the operator at 19:00.

	<p>Dust emissions were noted to be trending high during start up, and it was anticipated that these would drop during normal operation.</p> <p>An initial check of the filter showed that the hoppers underneath were full. These were emptied over the course of the shift and into the morning of the 25/11. Individual chambers are to be isolated and the pulse air system is being inspected. Once a chamber / area has been identified it will be shut off and isolated until further maintenance work can be carried out.</p>
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>Upon restart of the Kiln following a shutdown period the main stack dust emissions were noted to be trending above the daily limit.</p> <p>In order to identify the cause of the emissions the following actions were taken on site.</p> <ul style="list-style-type: none"> Decreased dust loading on stack by drawing more combustion gases through coal filter. Removing alternative fuels Isolating individual filter compartments <p>During isolation of individual compartments the origin of the rogue emissions was not immediately obvious.</p> <p>Multiple compartment isolations were carried out to try and identify the issue. Although dust emissions were reduced by chamber isolations, they were not significant enough to reduce emissions to a level deemed acceptable by the site.</p>
---	---

	<p>Therefore the decision was taken to stop the operation of the kiln to carry out a full internal inspection of the main filter.</p> <p>On internal inspection four bags in chamber II and five bags in chamber V were identified as being damaged. These were replaced and the kiln was placed back into operation.</p>
Measures taken, or intended to be taken, to prevent a recurrence of the incident	Ongoing maintenance of the main bag filter is taking place alongside a large amount of repair and bag replacement working to take place during the January 2017 shutdown period.
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 envisaged that there would have been minimal environmental impact from these emissions.
The dates of any unauthorised emissions from the installation in the preceding 24 months.	<p>21/01/2015</p> <p>06/02/2015</p> <p>01/04/2015</p> <p>06/07/2015</p> <p>15/07/2015</p> <p>17/07/2015</p> <p>23/08/2015</p> <p>06/02/15</p> <p>01/04/15</p> <p>06/07/15</p> <p>15/07/15</p> <p>17/07/15</p> <p>23/08/15</p> <p>10/09/2015</p> <p>15/10/2015</p> <p>07/12/2015</p> <p>02/01/2016</p> <p>13/02/2016</p> <p>14/02/2016</p> <p>26-28/08/2016</p>

Name*	Robert Keough
Post	Quality & Environment Manager
Signature	R. Keough
Date	09/01/2017

* authorised to sign on behalf of Castle Cement Limited