

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 EP Regulations.

Part A

Permit Number	EPR/BL1096IB/V013
Name of operator	Castle Cement Limited
Location of Facility	Padeswood Works, Padeswood, Mold.
Time and date of the detection	06-11-2017 00.01HRS

(a) Notification requirements for any activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment	
To be notified Immediately	
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 permit condition	
To be notified immediately	
Emission point reference/ source	Main stack Kiln 4
Parameter(s)	Particulates
Limit	10Mg/Nm3
Measured value and uncertainty	11 & 15 Mg/Nm3
Date and time of monitoring	04/11/2017 to 05/11/2017 0000hrs to 0315hrs
Measures taken, or intended to be taken, to stop the emission	<p>Kiln was stopped at 0630hrs due to raw mill maintenance and level of stocks when the kiln was restarted at 1430hrs the main stack dust monitor was reading just above the daily average limit.</p> <p>Investigations were carried out by closing individual chambers on the main bag filter to bring the level below the permitted level and identify the cause, by closing chambers 5 & 6 the dust reading was reduced to around 8.5 mg/Nm3 but this could not be maintained and the dust</p>

monitor kept rising to around 13mg/Nm3 then dropping back to 8.5mg/Nm3. Further investigations were carried out on the remaining open chambers (1 to 4) by manually pulsing individual rows of filter bag blast pipes to identify a faulty bag. This proved there were no issues with the remaining open chambers.

At midnight the daily average limit was 11 mg/Nm3,

Focus was then on identifying which chamber was causing the dust and chamber 5 was reopened which kept the dust monitor at around mg/Nm3 which pin pointed chamber 6, as the dust monitor could not be brought below 10mg/Nm3 to work on chamber 6 whilst the kiln was still in operation the kiln was stopped at 0315hrs 5/11/17 and the lids removed from the chamber clean side.

Opening up the chamber holes in the cell plate were identified causing dust to pass between the dirty and clean side of the filter.

Contractors were called in to seal up there chamber before restarting the kiln.

This work is ongoing.

Continuation of PART A submitted for previous 24hr

Due to the ongoing investigation of the issue with the Main Bag filter on 4/5/17 to 5/11/17 the kiln was running from 0000hrs to 0315hrs between 0000hrs 5/11/16 and 0000hrs 6/11/17 The investigation proved that the issue was with chamber 6 of the main filter and once it was established that the dust monitor reading could not be brought under 10mg/Nm3 the kiln was stopped

Opening up the chamber, holes in the cell plate were identified causing dust to pass between the dirty and clean side of the filter.

Contractors were called in to seal up there chamber before restarting the kiln. The work was completed but due to other issues on the plant the kiln was unable to be restarted during the 24hr monitoring period

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

(c) In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment:	
To be notified immediately	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	

Date of monitoring/sampling	
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Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	<p>Part A provides a detailed description of the events.</p> <p>The emissions on the 5th only accounted for 3 hours of kiln operation from 00:00 – 0315.</p> <p>The kiln was restarted again on the 6th November when the daily averages on the filter were reduced to 2mg.</p>
Measures taken, or intended to be taken, to prevent a recurrence of the incident	During the January 2018 shutdown a major overhaul of the main bag filter is taking place. This is to include replacement of every bag and every cage in the filter with new. In addition to this fabrication work is being carried out to replace some corrosion prone areas with stainless steel to extend their lifespan.
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	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	07/12/2015 02/01/2016 13/02/2016 26/08/2016 24/11/2016 03/02/2017 30/03/2017 21/04/2017 08/05/2017 24/07/2017 14/08/2017 27/09/2017 28/09/2017 19/10/2017 23/10/2017

Name*	Robert Keough
Post	Q&E Manager
Signature	Robert Keough
Date	16/01/17

* authorised to sign on behalf of the operator