

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/V013
Name of operator	Hanson Cement Limited
Location of Installation	Padeswood Works, Padeswood, Mold.
Time and date of the detection	17.30 21.08.18

(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	21.8.18 @ 17.30
Reference or description of the location of the event	Raw mill building
Description of where any release into the environment took place	Atmosphere
Substances(s) potentially released	Dust particulates
Best estimate of the quantity or rate of release of substances	Dust release identified at 17.25. Estimated 50 kg's escaped from building locally onto the site
Measures taken, or intended to be taken, to stop any emission	Raw mill was shut down within 2 minutes of visual detection of dust escape. The local area within the building has been visually inspected for potential leak paths/routes and the procedure for running both the mill and the main bag filter system checked for any faults or indications of any problem. Main bag filter was checked for blockages visually and by the kiln burner from the control room via his operating procedures for running the mill and main bag filter system. Once satisfied there was no further risk the system was started again.
Description of the failure or accident.	Dust escaped by an unknown source/fault. Data is being collected and further investigation will take place and details passed onto the relevant person(s)

(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	
Parameter(s)	
Limit	

Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	
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.	We have investigated the dust release and found the root cause to be a fault on an electrical panel which controls the pulsing on the MBF bags. This fault on the panel caused the pulsing to stop working on the filter. This led to a build-up of material on the bags, leading to an increase in differential pressure, and culminating in an overpressure being created at the inlet to the filter. This in turn led to dust escaping from ductwork from the raw mill system. The site has investigated the panel but could find no obvious fault, and following restarting the panel the fault did not return.
Measures taken, or intended to be taken, to prevent a recurrence of the incident	An immediate action has been taken so a new kiln stop interlock has been implemented, this looks at one of the pressure sensors, and causes the kiln to stop if the duct work becomes positive for more than 5minutes. A new alarm for MBF not running will be implemented on CCR screens. The electrical department is liaising with the bag filter equipment manufacturer for further guidance on how to further investigate the fault.
Measures taken, or intended to be taken, to rectify,	The raw mill was immediately stopped when the

limit or prevent any pollution of the environment which has been or may be caused by the emission	emission was noticed, this was to reduce the overpressure and volume of gas to the MBF. The new interlock put in place should prevent recurrence, whilst further investigation into the issue continues. The site has not received any complaints in regards to this incident.
The dates of any unauthorised emissions from the installation in the preceding 24 months.	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 03/11/2017 04/11/2017 13/12/2017 21/12/2017 14/01/2018 21/02/2018 28/02/2018 03/03/2018 20/03/2018 04/05/2018 16/05/2018 31/05/2018 03/06/2018 16/08/2018 27/07/2018 04/08/2018

Name*	R Keough
Post	Q&E Manager
Signature	R Keough
Date	04-09-18

* authorised to sign on behalf of Castle Cement Limited