

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/V010
Name of operator	Castle Cement Limited
Location of Installation	Padeswood Works, Padeswood, Mold.
Time and date of the detection	00.05 28/09/13

(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	Kiln 4 main stack
Parameter(s)	VOC's
Limit	High Limit daily average 50mg/Nm ³
Measured value and uncertainty	54mg/Nm ³
Date and time of monitoring	27/09/2013 00:00– 23:59
Measures taken, or intended to be taken, to stop the emission	Investigating the issue and monitoring


OK FOR PUBLIC REGISTER	INITIALS	DATE
	SK	30/12/13
COPIED TO PUBLIC REGISTER	JB	EDem

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.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
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 installation in the preceding 24 months.	

Name*	Victoria Smith
Post	Works Chemist
Signature	
Date	28/09/2013

* authorised to sign on behalf of Castle Cement Limited





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/V010
Name of operator	Castle Cement Limited
Location of Installation	Padeswood Works, Padeswood, Mold.
Time and date of the detection	00.05 28/09/13

(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	Kiln 4 main stack
Parameter(s)	VOC's
Limit	High Limit daily average 50mg/Nm ³
Measured value and uncertainty	54mg/Nm ³
Date and time of monitoring	27/09/2013 00:00– 23:59
Measures taken, or intended to be taken, to stop the emission	Investigating the issue and monitoring


	INITIALS	DATE
OK FOR PUBLIC REGISTER		
COPIED TO PUBLIC REGISTER	JB	Edem

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.	At around 1800hrs it was noticed that VOC levels had increased significantly to 70-80mg/Nm3. This is usually associated with limestone from a particular area of the quarry and blending is undertaken to mitigate the effects. However in this case the stone in this area had been worked out earlier in the week.		
Measures taken, or intended to be taken, to prevent a recurrence of the incident	<p>The quarry was asked to provide as clean a stone as possible as denoted from laboratory results. Analyser calibration was checked and found to be working correctly; as NWSS were on site comparisons were made using their equipment which gave comparable results. Alternative fuels were taken off the kiln but no appreciable difference was seen in emission levels.</p> <p>The percentage PFA in the raw mix was very low (12%), as this started to rise coinciding with the cleaner stone coming from the quarry the instantaneous VOC reading started to drop. Samples of material taken from the limestone feeder showed higher than normal sulphur readings which may also be indicative of organic material in the limestone</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	<p>Further training of the lab and ancillary staff in quarry chemistry was completed on the 3rd October '13.</p> <p>Changes to the nomenclature and process for managing quarry faces to improve the identification on problem areas in the southern bench and assist in building a profile of the chemistry of the blasts will occur as the face progresses in a southerly direction.</p> <p>The emission to atmosphere would have dissipated rapidly.</p>		
The dates of any unauthorised emissions from the installation in the preceding 24 months.	05/08/2011	12/03/2012	29/10/2012
	12/08/2011	14/03/2012	28/02/2013
	15/08/2011	20/04/2012	07/07/2013
	22/09/2011	03/05/2012	11/07/2013
	30/09/2011	23/06/2012	18/07/2013
	07/11/2011	27/06/2012	25/07/2013
	21/02/2012	23/07/2012	19/09/2013
	06/03/2012	07/10/2012	
	07/03/2012	27/10/2012	

Name*	Victoria Smith
Post	Works Chemist
Signature	
Date	22/10/2013

* authorised to sign on behalf of Castle Cement Limited

