

A + B

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18 JUL 2013

## 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	24 hour period of 07/07/2013

#### (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)	NOx
Limit	Daily average Limit 500mg/Nm <sup>3</sup>
Measured value and uncertainty	Actual - 516mg/Nm <sup>3</sup>
Date and time of monitoring	07/07/2013 00:00 to 24:00
Measures taken, or intended to be taken, to stop the emission	The NOx abatement SNCR system has a malfunction which requires parts to be sourced from a 3 <sup>rd</sup> party. The 3 <sup>rd</sup> party has been contacted and the parts should be on site today (08/07/2013). It was not possible to run the SNCR system safely with this malfunction.

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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>A fault developed with a communications card at the pumping station for the SNCR system on Saturday 6 July. This card controls the pump and control valves for the ammonia water injection and its failure resulted in the SNCR system not working. The faulty card was identified but a spare was not available on site and the supplier could not be contacted to obtain a replacement. An attempt was made on Sunday to install an alternative control system but this was unsuccessful. On Monday 8 July a replacement card was couriered to site, fitted, and the SNCR system brought back on line.</p> <p>During the time that the SNCR system was unavailable the burning conditions in the kiln were adjusted to minimise the amount of NOx formed. This was achieved by maximising the quantity of Cemfuel used. Cemfuel is known to reduce the formation of NOx due to the amount of water present in the fuel reducing the peak flame temperature. If coal only had been burned during the time the SNCR was off line the flame temperature would have been higher resulting in greater NOx formation and potentially more adverse effect on the environment.</p>		
Measures taken, or intended to be taken, to prevent a recurrence of the incident	The card is now a stock item and is held in the Stores on site.		
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 emission to atmosphere would have dissipated rapidly.		
The dates of any unauthorised emissions from the installation in the preceding 24 months.	21/07/2011	06/03/2012	27/06/2012

DATE	INITIALS	ON FOR PUBLIC REGISTER
		OFFICIAL PUBLIC REGISTER

	31/07/2011	07/03/2012	23/07/2012
	05/08/2011	12/03/2012	07/10/2012
	12/08/2011	14/03/2012	25/10/2012
	15/08/2011	20/04/2012	27/10/2012
	22/09/2011	03/05/2012	29/10/2012
	30/09/2011	23/06/2012	28/02/2013
	07/11/2011	23/06/2012	
	21/02/2012	27/06/2012	

<b>Name*</b>	N Sharpe
<b>Post</b>	Quality and Environment Manager - North
<b>Signature</b>	
<b>Date</b>	18 <sup>th</sup> July 2013

\* authorised to sign on behalf of Castle Cement Limited





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These pages outline the information that the operator must provide.

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### Part A

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Concentrations of substances detected	
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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.	
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.	

<b>Name*</b>	Chris Donald
<b>Post</b>	Shift Manager
<b>Signature</b>	
<b>Date</b>	08/07/2013

\* authorised to sign on behalf of Castle Cement Limited