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09 SEP 2014

## 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/V011
Name of operator	Castle Cement Limited
Location of Installation	Padeswood Works, Padeswood, Mold.
Time and date of the detection	00.30 07/09/14

#### (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	K4 Main Stack Analyser
Parameter(s)	NOX
Limit	500mg/m3
Measured value and uncertainty	513mg/m3
Date and time of monitoring	00.01 06/09/14 – 00.01 07/09/14 (24 hour period)
Measures taken, or intended to be taken, to stop the emission	Ammonia system (SNCR) had been off for a period of time. It was then restarted and is now running OK.

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Time periods for notification following detection of a breach of a limit	
Parameter	Notification period
K4 stack NOX	24hrs

(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.	

<b>Name* - C Donald</b>	
<b>Post - Shift Manager</b>	
<b>Signature – C Donald</b>	
<b>Date – 07-09-2014</b>	

\* authorised to sign on behalf of Castle Cement Limited

Part 3



## 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/V011
Name of operator	Castle Cement Limited
Location of Installation	Padeswood Works, Padeswood, Mold.
Time and date of the detection	00.30 07/09/14

#### (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

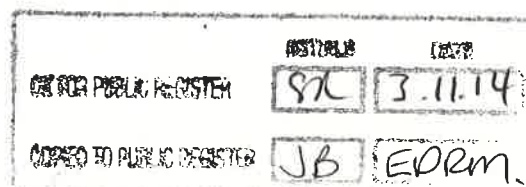
##### To be notified within 24 hours of detection

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	K4 Main Stack Analyser
Parameter(s)	NOX
Limit	500mg/m3
Measured value and uncertainty	513mg/m3
Date and time of monitoring	00.01 06/09/14 – 00.01 07/09/14 (24 hour period)
Measures taken, or intended to be taken, to stop the emission	Ammonia system (SNCR) had been off for a period of time. It was then restarted and is now running OK.




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>The kiln was running but had unstable conditions due to fluctuating kiln feed which was being addressed by the shift personnel. In order to monitor the process in response to works being carried out the kiln operator had several additional windows open which unfortunately obscured the SNCR flow indication. During this time the system was off and as soon as this was identified the system was reset to normal operation and target.</p> <p>This meant that the system was off for six hours. It was felt that the emission target would be reached under normal operation in the remaining time and no further changes were made.</p>		
Measures taken, or intended to be taken, to prevent a recurrence of the incident	As a response to this a warning message will flag up on screen after SNCR has been non-operational for three hours or more. This will ask operators to review set point with Shift Manager for remainder of the day. A lower target will be set if required to reduce emissions.		
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	There was minimal breach above the limit and any emission would diffuse rapidly under atmospheric conditions.		
The dates of any unauthorised emissions from the installation in the preceding 24 months.	20/04/2012	27/10/2012	25/07/2013
	03/05/2012	29/10/2012	19/09/2013
	23/06/2012	28/02/2013	27/09/2013
	27/06/2012	07/07/2013	10/10/2013
	23/07/2012	11/07/2013	16/11/2013
	07/10/2012	18/07/2013	13/04/2014

Name*	Victoria Smith
Post	Works Chemist
Signature	
Date	13/10/14