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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 19/07/2013**

(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)	HCL
Limit	Daily average Limit 10mg/Nm^3
Measured value and uncertainty	Daily average Actual – 11.2mg/Nm^3
Date and time of monitoring	18/07/2013 00:00 to 24:00
Measures taken, or intended to be taken, to stop the emission	The Raw Mill is in operation following essential maintenance on 18th July which is assisting in bring HCl back within emission limits

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	[redacted]
Date	19/07/2013

* authorised to sign on behalf of Castle Cement Limited

Schedule 5 - Notification

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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 19/07/2013**

(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)	HCl
Limit	Daily average Limit 10mg/Nm^3
Measured value and uncertainty	Daily average Actual – 11.2mg/Nm^3
Date and time of monitoring	18/07/2013 00:00 to 24:00
Measures taken, or intended to be taken, to stop the emission	The Raw Mill is in operation following essential maintenance on 18th July which is assisting in bring HCl back within emission limits

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.	The raw mill was stopped for routine maintenance at 05:30. During the time the mill was off the HCl emission was seen increase, this is not unusual (see below) and upon restarting the mill at 18:00 following completion of the maintenance work the HCl emission decreased. However, due to the time the mill had been stopped, it was not possible for the daily average emission to reduce sufficiently to prevent a breach. Hydrogen chloride is an acidic gas which is efficiently removed by the high turbulence of the gas stream loaded with highly alkaline, fine, and reactive particles. This occurs mainly in the kiln and preheater system. Some HCl is carried over from the preheater and under normal operating conditions is scrubbed out by the limestone dust present in the raw mill which is produced by the crushing of the stone. In this case because the mill was stopped the HCl was not reduced further, resulting in the increase in the emission. Once the mill is in operation again the 'dust storm' produced by the crushing of the limestone in the mill removes the HCl carried over from the kiln and preheater.
Measures taken, or intended to be taken, to prevent a recurrence of the incident	Normal operation is for the raw mill to operate in conjunction with the kiln. Maintenance work to the mill has to be carried out in order to maintain the equipment and during this time the kiln continues to operate.
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment	The emission would have dissipated quickly with

which has been or may be caused by the emission	negligible environmental impact		
The dates of any unauthorised emissions from the installation in the preceding 24 months.	21/07/2011	06/03/2012	27/06/2012
	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	07/07/2013
	21/02/2012	27/06/2012	11/07/2013

Name*	Victoria Smith
Post	Works Chemist
Signature	
Date	02/10/2013

* authorised to sign on behalf of Castle Cement Limited