

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 | Castle Cement Limited |
| Location of Installation | Padeswood Works, Padeswood, Mold. |
| Time and date of the detection | 28.09.2017 at 00:05hrs |

| (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 NOX emission |
| Parameter(s) | 450 Daily average |
| Limit | 450 |
| Measured value and uncertainty | 472 |
| Date and time of monitoring | 27/09/2017 00:00 to 23:59 |
| Measures taken, or intended to be taken, to stop the emission | SNCR system checked and had not started, SNCR system now running. |

| 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 had been temporarily stopped for a blockage at 5:15 am. This was cleared and the kiln restarted at 10:30.</p> <p>When the kiln was restarted at 10:30 however the SNCR system was not. The SNCR system was restarted at 19:00 when the operator became aware of the oversight.</p> <p>The root cause of inactivation of the SNCR system appears to stem from the following :</p> <p>When the kiln is placed in a temporary stop. The ammonia SNCR system will automatically shut off to prevent environmental issues.</p> <p>When the ammonia system is placed in a ready state an alarm message will be provided to the operator if the system is not effectively reducing the NOx to the desired level.</p> <p>However, there was no alarm in place to ensure that the SNCR system is in a ready state when the kiln is operational.</p> <p>It is down to the operators to place the SNCR system in a ready state when the kiln is restarted.</p> |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident | <p>A software alarm for the SNCR has been further modified so that it activates, when the Kiln is operational and it is not in a ready state. This further complements the current alarm, to avoid operator error.</p> <p>Operators have received information into this breach and how to avoid future occurrences.</p> |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment | It is anticipated that there would be minimal |

| | |
|---|--|
| which has been or may be caused by the emission | environmental impact. |
| The dates of any unauthorised emissions from the installation in the preceding 24 months. | 15/10/2015 07/12/2015 02/01/2016 13/02/2016 26/08/2016 24/11/2016 03/02/2017 30/03/2017 21/04/2017 25/04/2017 08/05/2017 24/07/2017 14/08/2017 |

| | |
|------------------|---------------|
| Name* | Robert Keough |
| Post | Q&E manager |
| Signature | Robert Keough |
| Date | 20-10-17 |

* authorised to sign on behalf of Castle Cement Limited