

Schedule 5 -Notification Form

To be completed in the event of breach of Permit as required by Condition 4.3.1.

1. Complete section (a), (b) or (c) as relevant;
2. Sign and date the form
3. Scan and email or fax the form using the contact details below
4. Put signed copy in post and give copy to Environment Coordinator

Part A

Permit Number	EPR/ BL3986ID
Name of operator	Tarmac Cement & Lime Limited
Location of Regulated Facility	Aberthaw Works, East Aberthaw, Barry, CF62 3ZR
Time and date of the detection	03.06.2020 @ 12:00

(a) Notification for any malfunction, breakdown or failure of equipment, accident, or fugitive emission that could or is causing 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	Emission from main stack (A1 Kiln Stack)
Parameter(s)	Breach of SO2 daily average emission limit. No impact on any other emissions or particulates permit limits.
Limit	Daily average Permit ELV limit for SO2 is 500mg/Nm3
Measured value and uncertainty	SO2 emission reading of 518 mg/Nm3 at end of daily average for period - 12:00 on 2.6.2020 to 12:00 3.6.2020 Measurements - 20% confidence level
Date and time of monitoring	12:00 on 2.6.2020 to 12:00 3.6.2020
Measures taken, or intended to be taken, to stop the emission	Failure of abatement system lime dosing pipe resulting in temporary loss of dosing of lime to high sulphur raw material leading to an increase in SO2 emissions during half hourly continuous monitoring periods from 5am – 9:39am after which pipe was replaced and SO2

	levels returned to below limit. Failed pipework was detected at 4am on the 3.6.2020 – a call was put through from the Control Room to the shift supervisor and the pipework was replaced as quickly as possible – spares were present on site, shift supervisor had completed repairs within 3 hours approx. of failure. In the meantime the control team dropped performance on raw mill to extend scrub effect and the kiln dropped 80% to reduce input of sulphur material into process. Stopping the kiln was not considered to be an option as this would have potentially caused alternative emission issues unrelated to this one and it would be unlikely to have resolved the issue in hand. Root cause is input of higher SO3 limestone raw material from quarry leading to an increased SO2 on the kiln which required lime abatement to be implemented - which subsequently failed. A root cause analysis will be undertaken following the breach to identify ways of avoiding a reoccurrence of the failure and submitted in Part B of this report.
Time periods for notification following detection of a breach of a limit	
Parameter	Notification period
24 hour - continuous monitoring (half hourly recording) showed breach after daily average. Informed NRW Officer Tony Leakey at 10:30am prior to end of 12:00-12:00 period for 3.6.2020.	Immediately following end of 24 average 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 regulated facility in the preceding 24 months	

Name	Georgina Taubman
Date	3.6.2020
Post	Health, Safety & Environmental Business Partner
Signatory authorised to sign on behalf of Tarmac Cement and Lime Ltd.	

Incident notification: 0800 807060 (Freephone, 24 hour service)

Send completed form to:

Natural Resources Wales
Rivers House
St. Mellons Business Park
Cardiff
CF30EY

Fax Number: 029 20362095

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