

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	14/08/2023@12:30

(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	14/08/2023 12:30
Reference or description of the location of the event	Kiln – cooler tube 3
Description of where any release into the environment took place	Release of clinker onto ground below cooler tube. Suspected clinker dust detected on neighbour's vehicles during visit to follow up on complaint. Strong S/SW wind at the time of complaint and subsequent detection of issue.
Substances(s) potentially released	Clinker (particulates)
Best estimate of the quantity or rate of release of substances	Not possible to determine at this time.
Measures taken, or intended to be taken, to stop any emission	Kiln stopped immediately upon detection to prevent further emissions. Cooler tube to be repaired
Description of the failure or accident.	Small split developed in cooler tube wall causing release of clinker particulates.

(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	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

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	On Monday 14th August 2023 the kiln was taken off line around lunch time due to a split being seen on cooler tube no 3. The split could be seen as the kiln rotated but the exact extent could not be determined due to the split running around the back of the tube. The crack was letting material (dust) escape from inside the tube and so the kiln was immediately taken off to investigate the extent of the damage. A hole had been spotted on tube No 3 the previous week and was being monitored. On Friday no dust could be seen leaving the tube. This is often the case when there is a bolt that has come out and can be caused by either the conditions inside the kiln not giving rise to much dust or that a ball of clinker has "wedged" in the hole thus stopping any material escaping. It's apparent that over the course of the following weekend the split became larger causing dust to be released.
Measures taken, or intended to be taken, to prevent a recurrence of the incident	Repairs made to split in tube: Crack welded together and saddle plate added for support. Cooler Tube 3 was last replaced in January 2018 together with a new muff and bend.

	In July 2019 the kiln was taken off due to a leak from cooler tube 3. Investigation found the backing plates inside the cooler tube had burnt through and caused the shell to be holed. First 2 rows of lifters and 4 rows of backing plates replaced with new. NOTE the bricks had shifted causing lifters not to fit and so bolt holes for lifters had to be elongated. Tube 3 is next but one planned for change out on the routine schedule after tube 7. This will now be completed along with tube 7 during WTA 2024 which is to commence in January 2024. Emergency procedures have been updated and TBT issued - Shift teams re-educated on procedure for emergency response including weekend /out of hours requirements.
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	Extra car cleaning service provided to residents on Burton Hill affected by dust. Additional cleaning provided to [REDACTED] to clean dust from patio and garden furniture, etc.
The dates of any unauthorised emissions from the regulated facility in the preceding 24 months	23.8.21, 22.11.21, 22.03.22, 21.04.22, 30.07.22, 12.4.23

Name	[REDACTED]
Date	29/12/2023
Post	Environmental Coordinator
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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