

# Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

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Lafarge Tarmac Cement and Lime  
Limited

Aberthaw Works  
East Aberthaw  
Barry  
Vale of Glamorgan  
CF62 3ZR

Variation application number  
EPR/BL3986ID/V011

Permit number  
EPR/BL3986ID

# **Aberthaw Works**

## **Permit number EPR/BL3986ID**

### **Introductory note**

#### **This introductory note does not form a part of the notice**

The following notice gives notice of the variation of an environmental permit. This variation changes the NO<sub>x</sub> emission limit for the Cement kiln from 800mg/m<sup>3</sup> to 500mg/m<sup>3</sup> in line with the requirements of Chapter 4 of the Industrial Emissions Directive (IED).

Prior to the IED coming in to force some existing plants were eligible for an ELV of 800mg/m<sup>3</sup> under the Waste Incineration Directive, however, this higher Emission Limit Value (ELV) was not carried over into IED. Therefore, under IED all Cement Kilns must have a NO<sub>x</sub> limit of 500mg/m<sup>3</sup> with the exception of Lepol and long kilns.

This variation requires Aberthaw Cement works to be compliant with the lower ELV by 30<sup>th</sup> June 2014. This will allow the operator time to prepare and implement any required changes

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application BL3986ID	Duly made 28/08/01	
Response to request for further information dated 12/10/01	Received 02/01/02	
Responses to request for further information dated 10/01/02	Received 31/07/02, 15/08/02 and 06/12/02	
Response to request for information dated 03/10/02	Received 21/10/02	
Permit BL3986ID	Determined 21/01/03	
Application for variation NP3437PH to use MBM as a substitute fuel	Duly made 27/07/04	
Response to Schedule 4 notice issued 30/07/04	Received 27/08/04	
Variation NP3437PH	Determined 10/12/04	
Application for variation JP3134SY implementing WID requirements	Duly made 21/03/05	
Response to request for further information dated 31/08/05	Received 21/09/05	
Response to request for further information dated 24/11/05	Received 25/11/05	
Response to request for further information dated 30/11/05	Received 30/11/05	
Variation JP3134SY	Determined 08/12/05	
Application for variation YP3736LY	Duly made 29/06/06	
Variation YP3736LY	Determined 12/07/06	
Application for variation EPR/BL3986ID/V005	Duly made 15/08/08	
Additional information	Received 26/08/08	
Variation EPR/BL3986ID/V005	Determined 19/09/08	
Variation EPR/BL3986ID/V006	Determined 02/09/2010	Environment Agency generated variation to cover Cement and Lime sector review
Application for variation EPR/BL3986ID/V007 to use SRF and tyres as substitute fuels	Duly made 04/07/11	

Variation EPR/BL3986ID/V007	Determined 30/08/2011	
Part surrender application EPR/BL3986ID/S008	Duly Made 01/05/2012	Application to surrender part of the site following cessation of quarrying works
Part surrender determined EPR/BL3983ID/S008	10/05/2012	Part surrender issued
Administrative variation EPR/BL3986ID/V009	15/05/2012	Issued
Notified of change of company name	23/09/2013	Name changed to Lafarge Tarmac Cement and Lime Limited.
Administrative Variation issued EPR/BL3986ID/V010	06/11/2013	Varied permit issued to Lafarge Tarmac Cement and Lime Limited.
NRW initiated variation EPR/BL3986ID/V011 issued	09/06/2014	Permit varied to reflect IED requirement on NOx emissions.

End of introductory note

## Notice of variation

The Environmental Permitting (England and Wales) Regulations 2010

The Natural Resources Body for Wales ("Natural Resources Wales") in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

permit number  
**EPR/BL3986ID**

issued to  
**Lafarge Tarmac Cement and Lime Limited** ("the operator")

whose registered office is

**Portland House  
Bickenhill Lane  
Solihull  
Birmingham  
B37 7BQ**

company registration number **00066558**

to operate a regulated facility at


**Aberthaw Works  
East Aberthaw  
Barry  
Vale of Glamorgan  
CF62 3ZR**

to the extent set out in the Schedules.

The notice shall take effect from **30 June 2014**

Name

Date

	<b>09 June 2014</b>
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Authorised on behalf of Natural Resources Wales

**Schedule 1 – conditions to be deleted**

None.

## Schedule 2 – conditions to be amended

The following conditions are amended as detailed, following a Natural Resources Wales initiated variation

Table S3.1 shall be amended to:

Table S3.1 Kiln and Raw mill - Exhaust Emissions to air – emission limits and monitoring requirements					
Emission point ref. & location	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 Main stack on preheater tower	Particulate matter	30 mg/m³	Daily average	Continuous	BS EN 15267-3
	Oxides of nitrogen	500 mg/m³			
	Sulphur dioxide	800 mg/m³			
	Carbon monoxide	1,000 mg/m³			
	Total organic carbon (TOC)	50 mg/m³			
	Hydrogen chloride	10 mg/m³			
	Ammonia	No limit set			
	Hydrogen fluoride	1 mg/m³	periodic average value over minimum 1-hour period	Bi-annual	ISO 15713
	Cadmium & thallium and their compounds (total)	0.05 mg/m³	periodic average value over minimum 30 minute, maximum 8 hour period		BS EN 14385
	Mercury and its compounds	0.05 mg/m³			BS EN 13211
	Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V and their compounds (total)	0.5 mg/m³			BS EN 14385
	Dioxins / furans (I-TEQ)	0.1 ng/m³	periodic average value over minimum 6 hours, maximum 8 hour period		BS EN 1948 parts 1, 2 and 3
	Dioxins / furans (WHO-TEQ Humans / Mammals) /(fish)/ (birds)	No limit set			BS EN 1948 parts 1, 2 and 3 BS EN/TS 1948 part 4
	PCBs [Dioxin-like PCBs (WHO-TEQ Humans / Mammals / fish / birds)]	No limit set			
	PAHs Specific individual poly-cyclic aromatic hydrocarbons.	No limit set			

**Schedule 3 – conditions to be added**

None