

# Notice of variation with introductory note

## The Environmental Permitting (England & Wales) Regulations 2010

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Lafarge Caudon Limited  
Caudon Cement Plant  
Yelsway Lane  
Waterhouses  
Stoke-on-Trent  
ST10 3EQ

### **Variation application number**

EPR/TP3334AW/V004

### **Permit number**

EPR/TP3334AW

# Cauldon Cement Works

## Permit number EPR/TP3334AW

### 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 amends the carbon monoxide (CO) emission limit value (ELV) at emission point A31 from the main stack on the preheater tower. The ELV is amended from 2,200 mg/m<sup>3</sup> to 5,000 mg/m<sup>3</sup> within table S3.1.

A footnote relating to the hydrogen chloride limit has also been added to table S3.1 as it was omitted from a previous variation in error.

The schedules specify the changes made to the original permit.

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

Status log of the permit		
Description	Date	Comments
Application BJ9509	Received 24/4/01	Dated 23/4/01
Response to Schedule 4 Notices issued 13/07/01, 26/07/01 and 22/08/01	Received 28/09/01	Partial
IPC Variation application to increase tyre chip use	Received 29/10/01 and 21/01/02	IPC regime
Response to Schedule 4 Notice issued 04/01/02	08/01/02	Re-formatted application BJ9509
IPC Variation application to trial sewage sludge pellets as substitute fuel	Received 27/05/02, 31/07/02 and 09/09/02	
Response to Schedule 4 Notices issued 13/07/01, 26/07/01 and 22/08/01	25/07/02	Partial
Response to Schedule 4 Notices issued 13/07/01, 26/07/01 and 22/08/01	13/02/03	Complete
Request to extend sewage sludge trial and further information for application	Received 13/03/03	
Request to include IPC Variation applications within PPC permit application	Received 17/03/03	
Permit BJ9509	Determined 31/03/03	
Application BW9131 for partial	Duly made	

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
surrender and variation to store and permanently use PSP.	22/12/03	
Variation BW9131	Determined 29/03/04	
Application for WID variation VP3234SF	Received 14/03/05	
Response to schedule 4 notice issued 23/05/05	Received 26/07/05	
Variation VP3234SF	Determined 05/12/05	
Application to conduct a limited trial using RFO variation ZP3237SY	Received 05/10/05	
Variation ZP3237SY	Determined 23/04/07	
Application for SRF variation HP3038XX	Duly made 19/02/08	
Further information	Received 25/03/08	
Variation HP3038XX	Determined 25/04/08	
Application for WLF variation EPR/BJ9509IC/V008 (WP3038KK PAS reference)	Duly made 10/09/09	
Variation EPR/BJ9509IC/V008	Determined 24/03/10	
Variation EPR/BJ9509IC/V009 (RP3234TK PAS reference)	Determined 02/09/10	Environment Agency generated variation to cover Cement and Lime sector review.
Application for variation EPR/BJ9509IC/V010 to use shredded rubber conveyor belts as a waste derived fuel	Duly made 19/09/11	
Variation EPR/BJ9509IC/V010	Determined 24/10/11	
Application for variation EPR/BJ9509IC/V011 to change of company name and registered office address	Duly made 19/09/13	Name changed to Lafarge Tarmac Cement and Lime Limited
Variation issued EPR/BJ9509IC/V011	18/11/13	Varied permit issued to Lafarge Tarmac Cement and Lime Limited.
Variation EPR/BJ9509IC/V012 (Billing Ref: GP3537VF)	Determined 30/06/14	Agency variation to implement chapter IV of the Industrial Emissions Directive.
Variation EPR/BJ9509IC/V013	Determined	Agency initiated variation to add an HCL limit in

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
	06/10/14	Table S3.1.
Application EPR/BJ9509IC/V014 (Variation and consolidation)	Duly Made 03/10/14	MPA Code of Practise: Application to add list of waste codes suitable in principle, remove Group iii metals specification in fuels and consolidate waste derived fuels naming.
Variation determined. EPR/BJ9509IC	19/12/14	Varied and consolidated permit issued
Application EPR/TP3334AW/T001 (full transfer of permit EPR/BJ9509IC)	Duly made 06/05/15	Application to transfer the permit in full to Lafarge Tarmac SPV Limited.
Transfer determined EPR/TP3334AW	22/05/2015	Full transfer of permit complete.
Variation EPR/TP3334AW/V002 returned to customer	23/06/15	
Notified of change of company name	Duly made 07/08/15	Company name changed to Lafarge Cauldon Limited, and registered office address changed to Bardon Hall, Copt Oak Road, Markfield, Leicestershire, LE67 9PJ.
Variation issued EPR/TP3334AW/V003	11/08/15	Varied permit issued to Lafarge Cauldon Limited
Variation application EPR/TP3334AW/V004	Duly made 21/07/15	Application to vary carbon monoxide limit in permit.
Variation determined EPR/TP3334AW/V004	21/09/15	Varied permit issued.

End of introductory note

# Notice of variation

## The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

**Permit number**

**EPR/TP3334AW**

**Issued to**

**Lafarge Caudon Limited** (“the operator”)

whose registered office is

**Bardon Hall  
Copt Oak Road  
Markfield  
Leicestershire  
LE67 9PJ**

company registration number **09326237**

to operate an installation at

**Caudon Cement Plant  
Yelsway Lane  
Waterhouses  
Stoke-on-Trent  
ST10 3EQ**

to the extent set out in the schedules.

The notice shall take effect from 21/09/2015.

Name	Date
Tom Swift	21/09/2015

Authorised on behalf of the Environment Agency

## Schedule 1 – conditions to be deleted

None

## Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator.

Table 3.1 referred to in conditions 2.3, 3.1 and 3.5 is amended as follows.

<b>Table S3.1 Kiln and Raw mill - Exhaust Emissions to air – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A31	Main stack on preheater tower	Particulate matter	30 mg/m <sup>3</sup>	Daily average	Continuous	BS EN 15267-3
		Oxides of nitrogen	500 mg/m <sup>3</sup>			
		Sulphur dioxide	400 mg/m <sup>3</sup>			
			600 mg/m <sup>3</sup> Up to 5 times each year if raw mill is stopped.			
		Carbon monoxide	5,000 mg/m <sup>3</sup>			
		Total organic carbon (TOC)	150 mg/m <sup>3</sup>			
		Hydrogen chloride <sup>1</sup>	10 mg/m <sup>3</sup> or 20mg/m <sup>3</sup>			
		Ammonia	No limit set			
		Hydrogen fluoride	1 mg/m <sup>3</sup>	periodic average value over minimum 1-hour period	Bi-annual	ISO 15713
		Cadmium & thallium and their compounds (total)	0.05 mg/m <sup>3</sup>	periodic average value over minimum 30 minute, maximum 8 hour period		BS EN 14385
		Mercury and its compounds	0.05 mg/m <sup>3</sup>			BS EN 13211
		Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V and their compounds (total)	0.5 mg/m <sup>3</sup>			BS EN 14385
		Dioxins / furans (I-TEQ)	0.1 ng/m <sup>3</sup>	periodic average value over minimum 6 hours, maximum 8 hour		BS EN 1948 parts 1, 2 and 3
		Dioxins / furans (WHO-TEQ Humans / Mammals) /((fish)/ (birds)	No limit set			

	PCBs [Dioxin-like PCBs (WHO-TEQ Humans / Mammals / fish / birds)]	No limit set	period		BS EN 1948 parts 1, 2 and 3 BS EN/TS 1948 part 4
	PAHs Specific individual polycyclic aromatic hydrocarbons (PAHs).	No limit set			BS ISO 11338 parts 1 and 2
<p>Note 1: The higher limit of 20mg/m<sup>3</sup> only applies when:</p> <ul style="list-style-type: none"> <li>• Waste derived fuels are being burned and</li> <li>• The raw mill is off-line for more than 4 hours</li> </ul> <p>At all other times daily average emission concentration limit of 10mg/m<sup>3</sup> applies.</p>					

**Schedule 3 – conditions to be added**

None