

# Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

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Castle Cement Limited

Padeswood Works  
Padeswood  
Mold  
Flintshire  
CH7 4HB

Variation application number  
EPR/BL1096IB/V011

Permit number  
EPR/BL1096IB

# **Padeswood Works**

## **Permit number EPR/BL1096IB**

### **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 removes the requirement to specifically monitor and report ambient air and noise following the results of a Public Health Wales investigation which found no evidence that emissions from the site have resulted in harm to physical health or any persistent increase in ill health. The study found that the health of people living near the site was generally as good as, or better, than that of those living elsewhere in Wales. The conditions and requirements relevant to the monitoring have now been replaced with standard monitoring conditions. Natural Resources Wales have also taken this opportunity to amend the Status Log of the Permit to correct an error in the permit numbering system. There are also changes to the monitoring and reporting requirements for emissions to water and conditions relating to noise have been varied to a modern standard. The requirement to monitor and report flow and BOD has been removed. Justification has been provided demonstrating that these do not require active monitoring.

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.

<b>Status Log of the permit</b>		
<b>Detail</b>	<b>Date</b>	<b>Response Date</b>
Application BL1096	Received 29/08/01	
Notice requiring further information	Request sent 17/12/01	Consolidated application incorporating response received 05/06/02
Notice requiring further information	Request sent 11/04/03	Response received 06/06/03
Notice requiring further information	Request sent 17/07/03	Response dated 11/08/03
Additional information from Applicant: revised site plan and confirmation that landfill is not part of the installation	Received 24/10/03	
Additional information from applicant	Received 10/05/04	
Permit Determined BL1096	17/12/04	
Application for landfill variation	Received 15/04/05	
Notice requiring further information	Request sent 21/07/05	Response received 23/09/05 Response received 09/01/06
Notice requiring further information	Request sent 02/06/06	Response received 03/08/06 Response received

Status Log of the permit		
Detail	Date	Response Date
		14/08/06 Response received 19/09/06
Variation Determined YP3438	08/11/07	
Application for MBM variation	Duly made 30/03/07	
Notice requiring further information	Request sent 27/06/07	Response received 20/07/07
Additional information from applicant	Received 20/12/07	
Request to amend fuel specification to Standard Waste Derived Fuel Specification for the Cement Sector	Received 21/02/07	
Additional information from applicant	Received 20/02/08	
Variation Determined KP3338UC	03/04/08	
Application for SRF variation	Received 03/07/07	
Notice requiring further information	Request sent 31/07/07	Response received 28/08/07
Additional information from applicant	Received 10/03/08	
Variation Determined AP3134UN	17/04/08	
Application for landfill variation	Duly made 27/05/08	
Additional information from applicant	Received 21/08/08	
Variation Determined EPR/BL1096IB/V005	09/10/08	
No EPR/BL1096IB/V006 due to admin error		
Partial surrender application	Received 18/12/09	
Variation Determined EPR/BL1096IB/S007	06/04/10	
No EPR/BL1096IB/V008 due to admin error		
Environment Agency Cement and Lime Sector Review Variation EPR/BL1096IB/V009	04/08/10	
Environment Agency Variation correcting errors EPR/BL1096IB/V010	15/12/10	
Variation Application EPR/BL1096IB/V011 received	03/05/13	Variation to reduce monitoring requirements following results of a public health study.
Variation Application EPR/BL1096IB/V011 issued	06/09/2013	Variation issued

End of introductory note

## Notice of variation

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/BL1096IB**

issued to:  
**Castle Cement Limited** ("the operator")

whose registered office is  
**Hanson House**  
**14 Castle Hill**  
**Maidenhead**  
**Berkshire**  
**United Kingdom**  
**SL6 4JJ**

company registration number **02182762**

to operate a regulated facility at  
**Padeswood Works**  
**Padeswood**  
**Mold**  
**Flintshire**  
**CH7 4HB**

to the extent set out in the schedules. The notice shall take effect from 06/09/2013.

Name	Date
<i>A. M. Lewis</i>	<b>06/09/13</b>

Authorised on behalf of Natural Resources Wales

### **Schedule 1 – conditions to be deleted**

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

Table S3.5 Noise Monitoring Requirements & Table S3.6 Ambient air monitoring requirements.

### **Schedule 2 – conditions to be amended**

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

Conditions 3.4.1 and 3.4.2 are amended to:

3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.4.2 The operator shall:

- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

Condition 3.5.1 is amended to:

3.5.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in schedule 3 to this permit:

- (a) point source emissions specified in tables S3.1, S3.2 and S3.3;
- (b) emissions to sewer as specified in table S3.4;
- (c) process monitoring specified in table S3.7;

(d) process Waste as specified in table S3.8

Table S 3.3 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements is amended to:

<b>Table S3.3 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements</b>						
<b>Emission point ref.</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (incl. unit)</b>	<b>Ref period</b>	<b>Monitoring frequency</b>	<b>Monitoring Standard or Method</b>
W1 on drawing number 401.00-11-0016-P00 emission to tributary of Black Brook	Suspended solids	Site surface water drainage via the settlement lagoon	50 mg/l	Spot sample	Monthly	As agreed in writing with Natural Resources Wales
W1 on drawing number 401.00-11-0016-P00 emission to tributary of Black Brook	pH	Site surface water drainage via the settlement lagoon	6 min 9.5max	Instantaneous	Continuous	As agreed in writing with Natural Resources Wales
			6 min 9.5max	Spot sample	Monthly	
W1 on drawing number 401.00-11-0016-P00 emission to tributary of Black Brook	Temperature	Site surface water drainage via the settlement lagoon	23°C	Instantaneous	Continuous	As agreed in writing with Natural Resources Wales
			23°C	Spot sample	Monthly	
W1 on drawing number 401.00-11-0016-P00 emission to tributary of Black Brook	Oil or grease	Site surface water drainage via the settlement lagoon	None visible	Spot Sample	Weekly	As agreed in writing with Natural Resources Wales

Table S 3.7 Process monitoring requirements is amended to:

<b>Table S3.7 Process monitoring requirements</b>				
<b>Emission point reference or source or description of point of measurement</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
Weather station cement soil 6	Wind speed and direction	continuous		
Calciner	Temperature	continuous		
A8 (Kiln 4 stack)	Temperature, pressure, oxygen content and water	continuous	As described in the application	

	vapour content			
Kiln exhaust (close to the combustion chamber inner wall)	Temperature	continuous	Traceable to national standards	

Table S 3.8 Process Waste is amended to:

<b>Table S3.8 Process Waste</b>				
<b>Emission point reference or source or description of point of measurement</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
Cement Kiln 4 by-pass dust.	Total soluble fraction, free lime content and metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) soluble fractions	Before use of a new disposal or recycling route	As agreed in writing with Natural Resources Wales	
Cement Kiln 4 by-pass dust.	Metals (Antimony, Cadmium, Thallium, Mercury, Lead, Chromium, Copper, Manganese, Nickel, Arsenic, Cobalt, Vanadium, Zinc) and their compounds.	6 Monthly	As agreed in writing with Natural Resources Wales	

Table S4.1 Reporting of monitoring data is amended to:

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Emissions to air Parameters as required by condition 3.5.1	A3, A4, A5, A6, A7, A8, A9 & A10	Continuous monitoring: Every 3 Months  Periodic: Every 6 months	1 January 1 April 1 July 1 October
Functioning and monitoring of the plant involved in the burning of waste derived fuels, as required by condition 4.2.2		Every 12 months	1 January
Emissions to water (other than sewer) and land Parameters as required by condition 3.5.1	W1	Every 3 months	1 January

Table S.4.2 amended to correct emission to air point references and to give the dates of the reporting forms,

<b>Table S4.2 Reporting forms</b>		
<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
Air: 6 monthly periodic monitoring on kiln 4	Form: S4 / A1	3/8/10
Air: Continuous monitoring of particulate matter	Form: S4 / A2	3/8/10
Air: Continuous monitoring of TOC	Form: S4 / A3	3/8/10
Air: Continuous monitoring of hydrogen chloride	Form: S4 / A4	3/8/10
Air: Continuous monitoring of carbon monoxide	Form: S4 / A5	3/8/10
Air: Continuous monitoring of sulphur dioxide	Form: S4 / A6	3/8/10
Air: Continuous monitoring of oxides of nitrogen	Form: S4 / A7	3/8/10
Air: Continuous monitoring of particulate matter for A3	Form: S4 / A8	3/8/10
Air: Continuous monitoring of particulate matter for A4	Form: S4 / A9	3/8/10
Air: Continuous monitoring of particulate matter for A5	Form: S4 / A10	3/8/10
Air: Continuous monitoring of particulate matter for A6	Form: S4 / A11	3/8/10
Air: Continuous monitoring of particulate matter for A7	Form: S4 / A12	3/8/10
Air: Continuous monitoring of particulate matter for A9	Form: S4 / A13	3/8/10
Water: pH, Temperature, & Suspended Solids for W1	Form: M / W1	06/09/13

**Schedule 3 – conditions to be added**

None