



Permit ref. no: <reference>

**Permit for Blending, Packing, Loading, Unloading and use of Bulk Cement**

**Name and address of person (A) authorised to operate the installation ('the operator')**

**<company>**

**Registered number and office of company:** <number>

**<address>**

**Address of permitted installation (B)**

**<company name and address?>**

The installation boundary and key items of equipment mentioned in permit conditions are shown in the plan attached to this permit PPC/B/08/04/PLAN1 to PPC/B/08/04/PLAN5

STATUS LOG		
Action	Date	Reference
First Issue		PPC/B/08/04
Variation to Simplified Permit		

**Regulator Contact Details**

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## Activity description

### Blending, Packing, Loading, Unloading and use of Bulk Cement

The operator (A) is authorised to operate the activity<sup>1</sup> at the installation (B) subject to the following conditions.

#### Conditions

#### Emissions and monitoring

1. No visible particulate matter shall be emitted beyond the installation boundary.
2. The emission requirements and methods and frequency of monitoring set out in Table 1 shall be complied with. Sampling shall be representative.

Any monitoring display required for compliance with the permit shall be visible to operating staff at all times. Corrective action shall be taken immediately if any periodic monitoring result exceeds a limit in Table 1, or if there is a malfunction or breakdown of any equipment which might increase emissions. Monitoring shall be undertaken or repeated as soon as possible thereafter and a brief record shall be kept of the main actions taken.

All continuous monitors fitted to show compliance with the permit shall be fitted with a visible and audible alarm warning of arrestment failure or malfunction. They shall activate when emissions reach the relevant emission limit in Table 1 and recorded automatically each activation. \*Alarms shall be tested at least once a week.\*

3. All plant and equipment capable of causing, or preventing, emissions and all monitoring devices shall be calibrated and maintained in accordance with the manufacturer's instructions. Records shall be kept of such maintenance.

#### Silos

4. Bulk cement shall only be stored within the bulk cement silos.
5. Dust emissions from loading or unloading road tankers shall be minimised by backventing to a delivery tanker fitted with an on-board, truck-mounted relief valve and filtration system and by connecting transfer lines first to the delivery inlet point and then to the tanker discharge point, and by ensuring delivery is at a rate which does not pressurise the silo.
6. Silos and bulk containers of dusty materials shall not be overfilled and there shall be an overfilling alarm. Alarms shall be tested at least once a week.
7. When loading silos, deliveries must automatically stop where overfilling or over-pressurisation is identified.
8. Displaced air from pneumatic transfer shall pass through abatement plant prior to emission to air.

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<sup>1</sup> listed in Schedule 1, Part 2, Chapter 3, Section 3.1, Part B (b) of the Environmental Permitting Regulations

### **Aggregates delivery and storage**

9. Dusty materials (including dusty wastes) shall only be stored in the 3 storage bays and 2 storage hoppers as detailed on the plans attached to this permit (PPC/B/08/04/PLAN3 to PPC/B/08/04/PLAN4) and shall be subject to suppression and management techniques to minimise dust emissions.

### **Belt conveying**

10. All dusty materials, including wastes, shall be conveyed using a gravity fed conveyor. All transfer points shall be subject to suppression and management techniques to minimise dust emissions.

### **Loading, unloading and transport**

11. No potentially dusty materials (including wastes) or finished products shall arrive on or leave the site other than by use of appropriately contained or covered transport.

### **Roadways and transportation**

12. All areas where there is regular movement of vehicles shall have a consolidated surface capable of being cleaned, and these surfaces shall be kept clean and in good repair. Quarry haul roads are excluded from this provision.
13. Vehicles shall not track material from the site onto the highway.

### **Techniques to control fugitive emissions**

14. The fabric of process buildings shall be maintained so as to minimise visible dust emissions.

### **Records and training**

15. Written or computer records of all tests and monitoring shall be kept by the operator for at least 3 years. They and a copy of all manufacturers' instructions referred to in this permit shall be made available for examination by the Council. Records shall be kept of operator inspections, including those for visible emissions.
16. Staff at all levels shall receive the necessary training and instruction to enable them to comply with the conditions of this permit. Records shall be kept of relevant training undertaken.

### **Best available techniques**

17. The best available techniques shall be used to prevent or, where that is not practicable, reduce emissions from the installation in relation to any aspect of the operation of the installation which is not regulated by any other condition of this permit.
18. If the operator proposes to make a change in operation of the installation, he must, at least 14 days before making the change, notify the regulator in writing. The notification must contain a description of the proposed change in operation. It is not necessary to make such a notification if an application to vary this permit has been made and the application contains a description of the proposed change. In this condition 'change in operation' means a change in the nature or functioning, or an extension, of the installation, which may have consequences for the environment.

Signature

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Stephen Hems  
Head of Environmental Health

Date

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**Table 1 - Emission limits, monitoring and related provisions**

Row	Substance	Source	Emission limits/provisions	Type of monitoring	Monitoring frequency
1	Particulate matter	Whole Process	No visible airborne emission to cross the site boundary where harm or nuisance may be caused	Operator observations	At least daily
		Silo inlets and outlets ( <i>for silos new since 1st July 2004</i> )	Designed to emit less than 10mg/m <sup>3</sup>	Operator observations	At time of delivery
		Silo inlets and outlets	No visible emission		
		Arrestment equipment, or any point where dust contaminated air is extracted from the process to atmosphere, with exhaust flow >300m <sup>3</sup> /min. (other than silo arrestment plant)	50mg/m <sup>3</sup>	Recorded indicative monitoring	Continuous
				*Isokinetic sampling	At least once to demonstrate compliance, then as necessary to provide a reference for the continuous indicative monitor.
		Arrestment equipment, or any point where dust contaminated air is extracted from the process to atmosphere, with exhaust flow >100m <sup>3</sup> /min. (other than silo arrestment plant)	No visible emission Arrestment equipment should be provided with a design guarantee that the equipment can meet 50mg/m <sup>3</sup>	Indicative monitoring to demonstrate that the arrestment equipment is functioning correctly	Continuous
Arrestment equipment, or any point where dust contaminated air is extracted from the process to atmosphere, with exhaust flow <100m <sup>3</sup> /min. (other than silo arrestment plant)	No visible emission	Operator observation Or Indicative monitoring	At least daily Or Continuous		
2	Droplets, persistent mist and fume	All emissions to air (except steam and condensed water vapour)	No droplets, no persistent mist, no persistent fume.	Visual observations	*On start-up and on at least two more occasions during the working day*

Only emissions to atmosphere are required to comply with the emission limits within this table.

- Notes:
- \*All periodic monitoring results shall be checked by the operator on receipt and sent to the Council within 8 weeks of the monitoring being undertaken.\*
  - a) The reference conditions for limits in Table 1 are: 273.1K, 101.3kPa, without correction for water vapour content, unless stated otherwise.
  - b) All periodic monitoring shall be representative, and shall use standard methods.
  - c) The emission limits do not apply during start-up and shut down. All emissions shall be kept to a minimum during these periods.

## **Right to Appeal**

You have the right of appeal against this permit within 6 months of the date of the decision. The Council can tell you how to appeal. You will normally be expected to pay your own expenses during an appeal.

You will be liable for prosecution if you fail to comply with the conditions of this permit. If found guilty, the maximum penalty for each offence if prosecuted in a Magistrates Court is £50,000 and/or 6 months imprisonment. In a Crown Court it is an unlimited fine and/or 5 years imprisonment.

Our enforcement of your permit will be in accordance with the [Regulators' Compliance Code](#).