

Environmental Permit

Pollution Prevention and Control Act 1999

Environmental Permitting (England and Wales) Regulations 2010 (as amended)

Cemex UK Materials Ltd
Watford Plant
Imperial Way
Watford
Hertfordshire
WD24 4JF

Regulated activity:

Blending, packing, loading and use of bulk cement

Permit Number:

CB/01/15

Permit Issued by:

Community and Customer Services
Watford Borough Council
Town Hall
Watford
Hertfordshire
WD17 3EX

Tel: (01923) 226400

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Email: envhealth@watford.gov.uk

Website: www.watford.gov.uk

The address for all correspondence in relation to this permit

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Permit Status Log

Superseded Authorisations/Permits relating to this Installation		
Holder	Date of Issue	Reference
Ready Mixed Concrete (Transite) Ltd	22 September 1994	01/AG/94
RMC Readymix Home Counties Ltd	22 September 1999	01/AG/94(R)
RMC Readymix Home Counties	31 March 2005	AP/02/JH/05
Cemex UK Materials Ltd	27 March 2006	AP/02/JH/06

INTRODUCTORY NOTE

This introductory note does not form a part of the Permit

The following permit is issued under Regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010 (S.I. 2010 No. 675) (as amended) to operate an installation carrying out one or more of the activities listed in Schedule 1 Section 6 of those Regulations, to the extent authorised by the permit.

The permit includes conditions that must be complied with.

General Principles

The Local Authority Pollution Prevention and Control (LAPPC) regime is concerned with preventing, or where that is not practicable, reducing emissions into the air (Regulation 35(b) Schedule 8(3)). This is achieved by, among other things, requiring operators to use the best available techniques (BAT). This, together with a consideration of local circumstances, provides the main basis for setting emission limit values and operational controls.

Confidentiality

The permit requires the operator to provide information to Dacorum Borough Council. The Council will place the information onto the public registers in accordance with the requirements of the Environmental Permitting (England and Wales) Regulations 2010 (the 'Regulations'). If the operator considers that any information provided is commercially confidential, it may apply to the Council to have such information withheld from the register as provided in the Regulations. To enable the Council to determine whether the information is commercially confidential, the operator should clearly identify the information in question and should specify clear and precise reasons.

Variations to the permit

This permit may be varied in the future. If at any time the activity or any aspect of the activity regulated by the following conditions changes such that the conditions no longer reflect the activity and require alteration, the Council shall be contacted.

Surrender of the permit

Where an operator intends to cease the operation of an installation (in whole or in part), the regulator should be informed in writing. Such notification must include the information specified in regulation 24(3) of the Regulations.

Transfer of the permit or part of the permit

Before the permit can be wholly or partially transferred to another person, a joint application to transfer the permit has to be made by both the existing and proposed holders, in accordance with Regulation 21 of the Regulations. A transfer will be allowed unless the Council considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred permit.

Responsibility under workplace health and safety legislation

This permit is given in relation to the requirements of the Environmental Permitting (England and Wales) Regulations 2010. It must not be taken to replace any responsibilities you may have under Workplace Health and Safety legislation.

Appeal against permit conditions

Anyone who is aggrieved by the conditions attached to a permit can appeal to the Secretary of State. Appeals must be made in accordance with the requirements of Regulation 31 and Schedule 6 of the Regulations. Appeals should be received by the Secretary of State at the following address:

The Planning Inspectorate

Environment Team, Major & Specialist Casework
Room 4/04 Kite Wing
Temple Quay House
2 The Square
Temple Quay
Bristol BS1 6PN

Please Note: An appeal brought under Regulation 31 in relation to the conditions in a permit will not suspend the effect of the conditions appealed against; the conditions must still be complied with. In determining an appeal against one or more conditions, the Act also allows the Secretary of State to quash any of the other conditions not subject to the appeal and to direct the local authority either to vary any of these other conditions or to add new conditions.

References

1. Process Guidance Note 3/1(12): Secretary of State's Guidance for Blending, Packing, Loading and Use of Bulk Cement; Department for Environment Food and Rural Affairs; September 2012.
2. Environmental Permitting General Guidance Manual on Policy and Procedures for A2 and B Installations; Department for Environment Food and Rural Affairs; April 2012.
3. Environmental Permitting (England and Wales) Regulations 2010, Statutory Instrument 2010 No. 675 (as amended).

End of introductory note

**WATFORD BOROUGH COUNCIL
POLLUTION PREVENTION AND CONTROL ACT 1999
Environmental Permitting Regulations 2010 (as amended)**

Permit Reference Number: CB/01/15

Name and address of operator: Cemex UK Materials Ltd
Cemex House
Cold Harbour Lane
Thorpe
Egham
Surrey
TW20 8TD

Registered office of company: Cemex UK Materials Ltd
Cemex House
Cold Harbour Lane
Thorpe
Egham
Surrey
TW20 8TD

Company Registration Number: 4895833

Address of Permitted Installation: Cemex UK Materials Ltd
Watford Plant
Imperial Way
Watford
Hertfordshire
WD24 4JF

The installation boundary and key items of equipment mentioned in permit conditions are shown in the 2no. plans contained within Schedule A to this permit.

Signed



Date

5 November 2015

**Danielle Newnham
The Authorised Officer for this purpose**

Activity Description:

- Ground granulated blast furnace is stored in one silo of 55 tonnes (t) capacity.
- Cementitious material is stored in four silos, with capacities of 38 t, 15 t, 10 t and 15 t.
- Coarse and fine aggregate is delivered to the site in bulk tipping vehicles.
- Aggregate is unloaded direct into the receiving hopper, it is then transported via conveyor to the six storage bins.
- Bulk cementitious material arrives by road tanker and is unloaded under supervision of the driver and site representative into one of two silos.
- Bulk powder is transferred by sealed 'umbilical cord' pipe directly into the storage silos.
- All silos are fitted with reverse air jet filter systems with pressure drop sensors and audible and visual alarms to warn of overfill.
- Cementitious material is transferred from the silos to the weigh hopper by a sealed screw conveyor.
- Particulate emissions are monitored visually during loading of cementitious materials into the silos.
- Concrete admixture is stored on site in a sealed, storage tank. The admixture is transferred to the loading point by sealed pipe system.
- Truck mixers are loaded with water, pre weighed cementitious materials and aggregates in the partially enclosed truck mixing area.
- The maximum daily production capacity is 500m³ of ready mix concrete.

The process consists of batching of ready mix concrete. Fine Coarse aggregates and cementitious materials are stored in storage bins and silos. Materials are transferred internally prior to loading, in predetermined proportions, into a plant mixer or truck mixer vehicles for delivery to customers.

Main items of plant and its associated dust control equipment

- Four x cement silos fitted with reverse jet filters with pressure drop sensors and audible and visual alarms to warn of overfill.
- One x 55 tonne slag silo fitted with reverse jet filters and high level alarms.

The operator is authorised to operate the activity listed in Section 3.1, Part B(b) in Part 2 of Schedule 1 to the Environmental Permitting Regulations, at the installation stated above 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.

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 unloading road tankers shall be minimised by back-venting to a delivery tanker fitted with an on-board, truck-mounted relief valve and filtration system. A piped dust extraction system is also fitted underneath the plant loading point. Transfer lines are first connected to the delivery inlet point and then to the tanker discharge point, and delivery is at a rate, which does not over pressurise the silo (less than or equal to 2 bar).
6. Silos and bulk containers of dusty materials shall not be overfilled and there shall be an overfilling alarm.
7. When loading silos which were new after June 2004, 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.

Aggregates delivery and storage

9. Dusty materials (including dusty wastes) shall only be stored in over-head storage bins as detailed on the plan attached to this permit and shall be subject to suppression and management techniques to minimise dusty emissions.

Belt conveying

10. All dusty materials, including wastes, shall be conveyed using a roofed/covered conveyor system. All transfer points shall be fitted with covers.

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 concealed mixer-trucks, aggregate tippers or articulated cement tankers.

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.
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 24 months. They (and a copy of all manufacturers' instructions referred to in this permit, where available) 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.

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 (for silos new since 1 st July 2004)	Designed to emit less than 10mg/m ³	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 ³ /min. (other than silo arrestment plant)	50mg/m ³	Recorded indicative monitoring	Continuous
		Arrestment equipment, or any point where dust contaminated air is extracted from the process to atmosphere, with exhaust flow >300m ³ /min. (other than silo arrestment plant)		*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 ³ /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 ³	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	No visible emission	Operator observation Or Indicative monitoring	At least daily Or Continuous

		exhaust flow <100m ³ /min. (other than silo arrestment plant)			
2	Droplets, persistent mist and fume	All emissions to air (except steam and condensed water vapour)	No droplets, no persistent mist, no persistent fumes	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

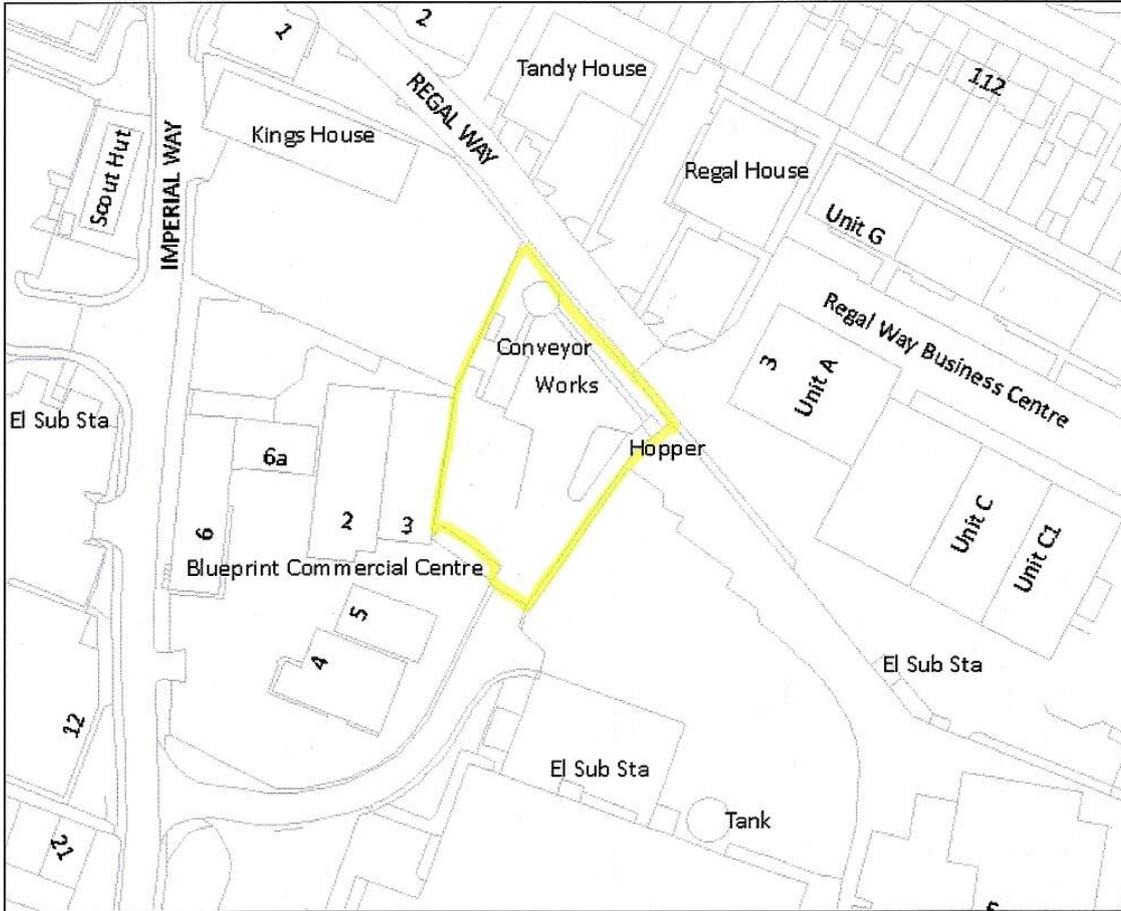
You have the right to appeal against this permit within 6 months of the date of the decision. The Council can tell how to appeal [or supply details with the permit]. You will normally be expected to pay your own expenses during an appeal.

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.

SCHEDULE A

Installation Location



Site Layout

