

Environmental Permit

Pollution Prevention and Control Act 1999

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

London Concrete Ltd
Watford Plant
Orphanage Road Yard
Watford Junction
Watford
Hertfordshire
WD24 4QZ

Regulated activity:

Blending, packing, loading and use of bulk cement

Permit Number:

CB/02/15

Permit Issued by:

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

Tel: (01923) 226400

Fax: (01923) 278100

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Superseded Authorisations/Permits relating to this Installation		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
London Concrete Ltd	25 April 2005	AP/10/JH/05

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; May 2011.
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/02/15

Name and address of operator: London Concrete Ltd
London House
77 Boston Manor Road
Brentford
TW8 9JQ

Registered office of company: London Concrete Ltd
Bardon Hill
Coalville
Leicestershire
LE67 1TL

Company Registration Number: 3403869

Address of Permitted Installation: London Concrete Ltd
Watford Plant
Orphanage Road Yard
Watford Junction
Watford
Hertfordshire
WD24 4QZ

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

11 June 2015

Danielle Newnham
The Authorised Officer for this purpose

Activity Description:

- The installation is a predominantly wet batch plant but some dry batching takes place.
- Cementitious material is stored in four silos, with capacities of 50 tonnes.
- Aggregates (sand and stone) is delivered by rail and stored off-site. It is transferred to site by loading shovels into one of the four ground bins. It is then transferred by a covered conveyor with enclosed transfer points to overhead storage bins. The storage bins are fitted with volume indicators to prevent overfill, and the conveyor has electrical contacts to prevent overloading.
- Bulk cementitious material (Portland cements and pulverised fly ash) arrives by road tanker and is unloaded under supervision of the driver and site representative into one of 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, specification WAM, with pressure drop sensors and pressure relief valves.
- All silos have auto shut-off valves linked to pressure pads and high level indicators, these trigger audible and visual alarms.
- Cementitious material is transferred from the silos to an enclosed holding hopper by a sealed screw conveyor, and then gravity fed to the weigh bin. High level probes control the input to the holding hopper.
- Aggregate is transported to the central weigh bin by conveyor, the bin has a dust curtain attached.
- At point of discharge cement is gravity fed into the mixer, a dust extractor removes emissions back into the cement holding hopper, aggregate is transferred by conveyor and water is fed to the rear of the mixer throughout the process.
- The loading point for trucks is enclosed on three sides and the discharge point is fitted with dust extraction which is in operation during dry batching.
- Particulate emissions are monitored visually during loading of cementitious materials into the silos.
- Concrete admixture is stored on site in sealed, banded storage tanks. The admixture is transferred to the mixer by sealed pipe system.
- All surface water from the site is drained to settlement pits and the water is recycled within the installation.

The process consists of batching of ready mix concrete. Aggregates and cementitious materials are stored in storage bays 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

- 4no. cement silos fitted with reverse jet filters with pressure drop sensors and audible and visual alarms to warn of overfill.

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 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.
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 3-sided storage bays and lidded 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 to site by loading shovel and deposited into one of the four ground bins via a 3-sided receiving hopper with roof above maximum discharge height of the load shovel. Aggregates are then transferred by covered conveyor with belt scrapers to overhead lidded storage bins. All transfer points shall be enclosed.

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 sealed cement tankers, by rail with damp material and concrete mixer trucks.

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) 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
				*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)	<p>No visible emission</p> <p>Arrestment equipment should be provided with a design guarantee that the equipment can meet 50mg/m³</p>	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.					
<p>Notes:</p> <p>*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.*</p> <p>a) The reference conditions for limits in Table 1 are: 273.1K, 101.3kPa, without correction for water vapour content, unless stated otherwise.</p> <p>b) All periodic monitoring shall be representative, and shall use standard methods.</p> <p>c) The emission limits do not apply during start-up and shut down. All emissions shall be kept to a minimum during these periods.</p>					

Right to Appeal

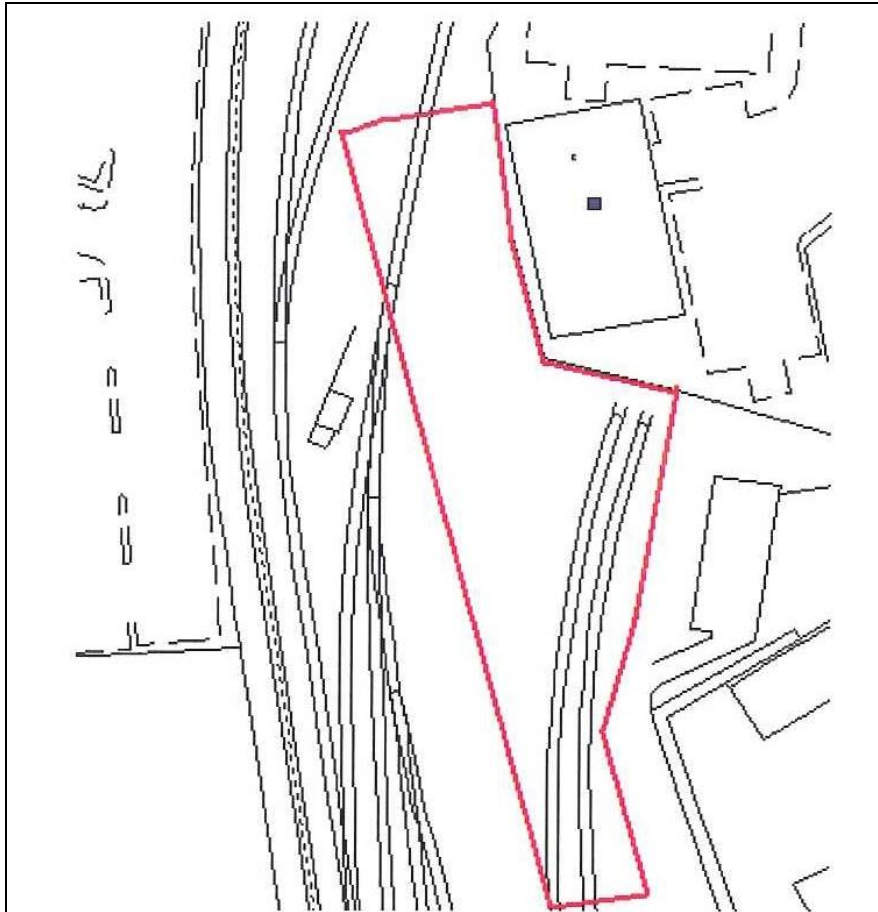
You have the right to appeal against this permit within 6 months of the date of the decision. The Council can tell how to appeal [or supply details with the permit]. You will normally be expected to pay your won expenses during an appeal.

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



The site plan illustrates the layout of the Batching Plant. Key features include:

- Buildings and Structures:**
 - Edmunson Electricals (blue box)
 - Staff Mess Room (yellow box)
 - Comp Shed (yellow box)
 - Driver Mess Room (yellow box)
 - Driver Store (yellow box)
 - Filter's Store (yellow box)
 - Office (yellow box)
 - Batching Plant (large white box)
 - Water Tank (blue circle)
 - Settlement Pits (three blue rectangles)
 - Wash Bay (blue rectangle)
 - Additives Gas (yellow box)
 - Additives Oil (yellow box)
 - Receiving Hoppers (grid pattern)
 - Aggregate Feed Belt (black line)
 - Loading Bay (white box)
- Parking Areas:**
 - Staff & Visitor Car Park (blue 'P' sign)
 - HGV Parking (yellow boxes)
- Material Flow:**
 - IN:** Indicated by green arrows pointing towards the plant.
 - OUT:** Indicated by red arrows pointing away from the plant.
 - Flow from Receiving Hoppers through the Aggregate Feed Belt to the Loading Bay.
 - Flow from the Loading Bay to the Railway (indicated by a red arrow).
 - Flow from the Loading Bay to the Drying Bay (indicated by a green arrow).
 - Flow from the Drying Bay to the Settlement Pits and Wash Bay.
 - Flow from the Settlement Pits and Wash Bay to the Additives Gas and Oil storage.
 - Flow from the Additives Gas and Oil storage to the Batching Plant.
 - Flow from the Batching Plant to the Loading Bay.
 - Flow from the Loading Bay to the Receiving Hoppers (indicated by a red arrow).
 - Flow from the Receiving Hoppers to the Aggregate Feed Belt (indicated by a red arrow).
 - Flow from the Aggregate Feed Belt to the Loading Bay (indicated by a red arrow).
 - Flow from the Loading Bay to the Drying Bay (indicated by a green arrow).
 - Flow from the Drying Bay to the Settlement Pits and Wash Bay (indicated by a green arrow).
 - Flow from the Settlement Pits and Wash Bay to the Additives Gas and Oil storage (indicated by a green arrow).
 - Flow from the Additives Gas and Oil storage to the Batching Plant (indicated by a green arrow).
 - Flow from the Batching Plant to the Loading Bay (indicated by a green arrow).
 - Flow from the Loading Bay to the Receiving Hoppers (indicated by a green arrow).
 - Flow from the Receiving Hoppers to the Aggregate Feed Belt (indicated by a green arrow).
 - Flow from the Aggregate Feed Belt to the Loading Bay (indicated by a green arrow).
- Other Features:**
 - Office Waste (yellow box)
 - Waste Oil (yellow box)
 - Waste Additive (yellow box)
 - Additive Drums (yellow box)
 - Railway (black line with cross-ticks)
 - To BDU & Storage Bays (yellow arrow)