CONSOLIDATED PERMIT

SOUTH
NORTHAMPTONSHIRE
COUNCIL

Hereby Permit

Smiths Concrete Limited, Enslow Bridge, Bletchingdon, Oxford, OX5 3AY

To Operate a Part B Installation at:

Smiths Concrete Limited, Brackley Plant, Shires Road, Buckingham Road Industrial Estate, Brackley, Northamptonshire, NN13 7EZ

Under the Provisions of

POLLUTION PREVENTION AND CONTROL ACT 1999
ENVIRONMENTAL PERMITTING (ENGLAND AND WALES) REGULATIONS 2010 (as amended)

Permit Reference Number

CP/3.1/01

Date Permit Issued

21st November 2014

........................................ Dated: 21st November 2014

Trevor Dixon
Team Leader - Environmental Protection
(Authorised to sign in behalf of South Northamptonshire Council)

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INTRODUCTORY NOTE TO PERMIT

This introductory note does not form part of the permit

This Environmental Permit (The Permit) is issued by South Northamptonshire Council (the Council) under Regulation 13(1) of the Environmental Permitting (England and Wales) Regulations 2010 (the EP Regulations) (S.I. 2010 No.675) (as amended), to operate an installation prescribed in Part 2 to Schedule 1 of those Regulations, to the extent specified in the conditions of this permit.

The requirements of this Permit shall be effective from the date of service unless otherwise specified within the Permit. Where a Variation Notice has been served the conditions contained within that Variation Notice shall be effective from the date that the Notice is served, unless a specific implementation date is allocated to specific conditions.

For the purpose of this permit the legal operator of the installation is Smiths Concrete Limited, Enslow Bridge, Bletchingdon, Oxford, OX5 3AY

STATUS LOG

<table>
<thead>
<tr>
<th>Detail</th>
<th>Reference Number</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Duly Made</td>
<td>09/3.1/03</td>
<td>14/04/1992</td>
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<tr>
<td>Permit Issued</td>
<td>09/3.1/03</td>
<td>07/12/1992</td>
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<td>Variation Notice and Consolidated</td>
<td>CP/3.1/01</td>
<td>21/11/2014</td>
</tr>
<tr>
<td>Permit Issued</td>
<td></td>
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DESCRIPTION OF INSTALLATION

This installation falls within the definition of Part B (b) section 3.1 “blending cement in bulk or using cement in bulk other than at a construction site, including the bagging of cement and cement mixtures, the batching of ready-mixed concrete and the manufacture of concrete blocks and other cement products” of Part 2 Schedule 1 of the Environmental Permitting (England and Wales) Regulations 2010 (as amended). The attached location plan as shown in appendix 1 shows the designated site.

Cement is delivered to the site in bulk road tankers. The cement and cementitious material is discharged by bulk pressure tankers into sealed steel silo, which are fitted with pressure relief valves and the emissions are controlled by reverse jet filters. The cement is blown pneumatically into silos. There are two operational silos which are identified as A (43 tonne capacity) and B (23 tonne capacity) on the site layout plan in appendix 2 of the permit.
Silos A and B are fitted with reverse jet filters of 15 cubic meters capacity produced by Torver Engineering Ltd. One is a vertical filter, VT27/E11W/110V and the other horizontal, HT27/E11W/110V.

Course and fine aggregates are moved from ground storage bays by a hydraulic loading shovel and transported to a ground receiving hopper. An enclosed trough-bed conveyor belt moves the aggregates to an overhead storage bin at the top of the plant, approximately 6 meters above the ground.

The batcher weighs up precise amounts of cement, coarse and fine aggregates and all the ingredients are transferred into a truck mixer. The aggregates are conveyed by a batch conveyor and the cement is transported by an enclosed screw-feed. A precise amount of water, together with any liquid additives required, is ribbon fed into the truck at the same time. The wet residue is then mixed in a truck mixer drum prior to despatch.

The prescribed substance is particulate matter.

**CONDITIONS**

**THE PERMITTED INSTALLATION**

1. The permitted installation shall be comprised of the activities and associated activities specified in Table 1

<table>
<thead>
<tr>
<th>Table 1 – Permitted Activity</th>
<th>Description of specified activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity listed in Part 2 of Schedule 1 of the EP Regulations</td>
<td>Blending, packing, loading, unloading and use of bulk cement.</td>
</tr>
<tr>
<td>Part 2, Chapter 3, Section 3.1, Part B, (b)</td>
<td>Receipt, storage and movement of aggregates used in production of ready mixed concretes.</td>
</tr>
<tr>
<td>Directly associated activity: The handling, storage and transport of raw materials.</td>
<td>Handling and storage of waste cementitious materials and waste material associated with capture of particulate matter.</td>
</tr>
</tbody>
</table>

The activities specified in Table 1 shall not extend beyond the site, being the area outlined in red on the location plan shown in appendix 1 to this permit.
EMISSIONS AND MONITORING

2. No visible particulate matter shall be emitted beyond the installation boundary.

3. The emission requirements and methods and frequency of monitoring set out in Table 2 shall be complied with. Sampling shall be representative of normal operating conditions.

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 2, 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. Records shall be kept in accordance with condition 16.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Source</th>
<th>Emission limits/provisions</th>
<th>Type of monitoring</th>
<th>Monitoring frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particulate Matter</td>
<td>Whole Process</td>
<td>No visible airborne emission to cross the site boundary where harm or nuisance may be caused.</td>
<td>Operator observations</td>
<td>At least daily</td>
</tr>
<tr>
<td>Silo inlets and outlets (for silos new since 1st July 2004)</td>
<td>Designed to emit less than 10mg/m3</td>
<td>Operator observations</td>
<td>At time of delivery</td>
<td></td>
</tr>
</tbody>
</table>

Notes:

a) All periodic monitoring shall be representative, and shall use standard methods.
b) The emission limits do not apply during start-up and shut down. All emissions shall be kept to a minimum during these periods.

4. 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 in accordance with condition 16.
SILOS

5. Bulk cement shall only be stored within the bulk cement silos shown as A and B on the site layout plan in appendix 2.

6. Dust emissions from loading or 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.

7. Silos and bulk containers of dusty materials shall not be overfilled and there shall be an overfilling alarm.

8. When loading silos which were new after June 2004, deliveries must automatically stop where overfilling or over-pressurisation is identified.

9. Displaced air from pneumatic transfer shall pass through abatement plant prior to emission to air.

AGGREGATES DELIVERY AND STORAGE

10. Dusty materials (including dusty wastes) shall only be stored in designated storage bays as detailed on the site layout plan in appendix 2 and shall be subject to suppression and management techniques to minimise dust emissions.

BELT CONVEYING

11. All dusty materials, including wastes, shall be conveyed using fully enclosed conveyors. All transfer points shall be controlled to such an extent as to minimise the generation of airborne dust.

LOADING UNLOADING AND TRANSPORT

12. No potentially dusty materials (including wastes) or finished products shall arrive on or leave the site other than by use of enclosed or sheeted containers or vehicles.
ROADWAYS AND TRANSPORTATION

13. 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.

14. Vehicles shall not track material from the site onto the highway.

TECHNIQUES TO CONTROL FUGITIVE EMISSIONS

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

RECORDS AND TRAINING

16. 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.

17. 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

18. 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.

19. If the operator proposes to make a change in operation of the installation, he must, at least 14 days before making the change, notify South Northamptonshire Council 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.

End of Permit Conditions

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ADDITIONAL INFORMATION

This note does not comprise part of permit CP/3.1/01 but contains guidance relevant to the said permit.

DEFRA guidance on the Local Authority Pollution Control regime consists of:

- a statutory General Guidance Manual which sets out the procedures and policy
- statutory process guidance (PG) notes which set out the Secretary of State’s view on what constitutes Best Available Techniques for each of the main sectors regulated to control their air emissions (so-called “Part B” activities)
- a set of additional guidance (AQ) notes covering various other issues

The General Guidance Manual is the principal guidance issued by the Secretary of State for Environment, Food and Rural Affairs and Welsh Ministers on the operation of the following pollution control regimes regulated by local authorities:

- Local Authority Integrated Pollution Prevention and Control (LA-IPPC), which covers what are known as A2 installations
- Local Authority Pollution Prevention and Control (LAPPC), which covers what are known as Part B installations.

The detailed legal requirements for installations covered by LA-IPPC and LAPPC are contained in the Environmental Permitting Regulations 2010

The General Guidance Manual, PG notes, AQ notes and the Environmental Permitting Regulations 2010 are available on the DEFRA website: www.defra.gov.uk or by telephoning DEFRA publication on 0870 600 5522.

Inspections

Regular inspections will be made by officers of South Northamptonshire Council (without prior notice), in order to check and ensure full compliance with this permit.

Health and Safety at Work and Other Statutory Requirements

Compliance with this permit does not necessarily infer compliance with any other legislation.

Notification of Operation Changes

The operator will be liable to prosecution if they operate otherwise than in accordance with the conditions and plant described in this permit.

The operator shall contact the regulator to discuss any proposed changes.
BAT (Best Available Techniques)

The IPPC Directive defines "best available techniques" as follows:

"the most effective and advanced stage in the development of activities and their methods of operation which indicates the practical suitability of particular techniques for providing in principle the basis for emission limit values designed to prevent, and where that is not practicable, generally to reduce emissions and the impact on the environment as a whole:

- "best" shall mean most effective in achieving a high general level of protection if the environment as a whole.
- "available" techniques shall mean those developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the costs and advantages, whether or not the techniques are used or produced inside the Member State in question, as long as they are reasonably accessible to the operator,
- "techniques" shall include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned,

Specific condition 17 of the Permit makes reference to training and instruction of personnel. The scope and content of such training and instruction is not the subject of a specific condition and it will therefore be necessary for the operator to determine the precise nature of the training and instruction that is appropriate in order to comply with the residual BAT condition.

Moreover it will be necessary in order to demonstrate such compliance for the operator to maintain records detailing the training and instruction received by individual personnel.

In determining BAT, special consideration should be given to the items listed in Annex IV of the Directive.

Enforcement

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 Regulator's compliance Code.

Annual Subsistence Charge

A subsistence charge is payable on the 1st April each year. An invoice will be issued by the regulator providing further details of how to pay. The charges are based on a risk based system. Details of the risk assessment can be found on the DEFRA Web Site.
Right to appeal

You have the right of appeal against this permit within 6 months of the date of the decision to the Secretary of State for Environment, Food & Rural Affairs. Appeals must be sent to:

The Planning Inspectorate
Environment Team, Major & Specialist Casework
Room 4/04 Kite Wing
Temple Quay House
2 The Square
Temple Quay
Bristol BS1 6PN
Tel: 0117 372 8726
Fax: 0117 372 8139

Guidance on the appeal procedure is available at: www.planningportal.gov.uk

You will normally be expected to pay your own expenses during an appeal.

Enforcing Authority

The enforcing authority for the purposes of this permit is South Northamptonshire Council. The address of that authority is as follows:

South Northamptonshire Council
Springfields
Towcester
Northants
NN12 6AE

All correspondence should be marked for the attention of the Environmental Protection Team.

Telephone: 01327 322323
Email: environmental.protection@southnorthants.gov.uk
APPENDIX II
SITE LAYOUT PLAN

SMITHS CONCRETE BRACKLEY

KEY:
- NOISE EXPOSURE AREA: Ear defenders mandatory
- HAZARD AREA: MANDATORY...
- COMBINED DUST & NOISE HAZARD AREA:
- HARD HAT AREA: TOOLS
- Fire extinguisher
- First Aid
- DISCHARGE POINT

Silo A = CEMI (GAC)
Silo B = GGBS (SLA)

1. Water Tank
2. Silo B
3. Silo A
4. Batch Cabin
5. Compressor
6. Truck Loading Bay
7. Aggregate Storage Bins
8. Overhead Aggregate Storage Bin
9. Conveyer
10. Ear Defenders
11. Hard Hat

NOTES:
- Aggregate Receiving Bay
- Sand
- 10mm
- 20mm

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