

**POLLUTION PREVENTION & CONTROL ACT 1999
ENVIRONMENTAL PERMITTING REGULATIONS (ENGLAND AND WALES) 2016**

**Permit Ref: PPC/205
Aggregate Industries UK Limited**

Name and address of operator (A):

Aggregate Industries UK Limited
Bardon Hill, Coalville, Leicestershire, LE67 1TL

Registered number and office of company:

Company registration no. 00245717

Bardon Hall
Copt Oak Road
Markfield
Leicestershire
LE67 9PJ

Address of permitted installation (B):

Aggregate Industries
Coventry Concrete Plant
Stonebrook Way
Blackburn Road Industrial Estate
Coventry
CV6 6LN

The installation boundary and key items of equipment mentioned in permit conditions are shown in the plan attached to this permit.

Signed.....
Tracy Miller, Head of Planning and Regulation

Dated

Description of Installation

The installation will be a wet batch plant with a rated production capacity of 80m³ of ready-mixed concrete per hour. The site layout drawing (Plan B) shows where all the relevant activities will be on site including:

- Mixer and loading point.
- Water tanks.
- 2 no. 100 tonne capacity bulk powder silos.
- 4 no. aggregate storage bins with an effective storage capacity of 140m³, and
- 4 no. aggregate storage bays with a capacity of 200-250 tonnes each.

Activity Description

Raw materials are delivered to site by road transport. Sand and aggregate are delivered by covered tippers and discharged into the aggregate storage bays. Cement and cement substitutes are delivered by tankers and discharged into one of the two 100 tonne silos.

The sand and aggregate are transferred by loading shovel into one of the four 70 tonne capacity storage bins which are integral to the plant. These materials are then discharged from the base of the bins under gravity onto a weigh conveyor. The conveyor feeds into the aggregate skip which lifts the materials into the enclosed pan mixer.

The cementitious materials are transferred by enclosed screw conveyor to a weigh hopper and the weighed materials are discharged by gravity into the mixer pan.

Water and liquid additives are pumped through a weighing system and discharged into the mixer.

Wet mixed product is discharged into truck mixers below the plant.

Table 1

List of Process Areas within the Installation and Associated Emission Points, Pollutants of Concern and Abatement Plant Required

Row	Area/Machinery Identification	Pollutants Emitted	Emission Limits	Abatement Plant Required
1	2 bulk cement silos	Particulates	Conditions 1 and 2	Reverse jet filter units

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 be 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 >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 exhaust flow <100m ³ /min (other than silo arrestment plant).	No visible emission	Operator observations Or Indicative monitoring	At least daily or Continuous
2	Droplets persistent mist and fume	All emissions to air (expect 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.

CONDITIONS

The operator is authorised to operate to operate the activity at the installation subject to the following conditions:

Emission Limits and Controls

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

Silos

5. Bulk cement and cementitious materials shall only be stored within the bulk cement silos.
6. Dust emissions from loading or unloading road tankers shall be minimised by venting to a pressure relief valve and filtration system on the silo and/or 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 silos.
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.

Aggregate Delivery and Storage

10. Dusty materials (including dusty wastes) shall only be stored in the aggregate storage bins or aggregate storage bays as detailed on Plan B, attached to this permit, and shall be subject to suppression and management techniques to minimise dust emissions.

11. The 95% fill level shall be marked and maintained to the aggregate storage bays so that materials do not overspill and to reduce any risk of wind-whipping of materials.
12. Materials shall be wetted as necessary to prevent dust emissions beyond the site boundary

Belt Conveying

13. Where dusty materials, including dusty wastes, are conveyed, all conveyors shall be of sufficient capacity to handle maximum loads and external conveyors shall be provided with protection against wind-whipping. Conveyor discharges shall be arranged to minimise free fall at all times.

Loading, unloading and transport

14. No potentially dusty materials (including wastes) or finished products shall arrive on or leave the site other than by use of tankers, enclosed or properly sheeted open-backed vehicles.

Roadways and transportation

15. 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.
16. Vehicles shall not track material from the site onto the public highway.

Records and Training

17. 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 manufacturer's 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.
18. Staff at all levels shall receive the necessary training and instruction to enable them to comply with conditions of this permit. Records shall be kept of relevant training undertaken.

Best Available Techniques

19. 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.

Notifications

20. In the event of any malfunction or breakdown causing dust emissions, the Environmental Protection Team of Coventry City Council shall be notified by telephone 02476 831424 / 08085 834333 and by Email env.protection@coventry.gov.uk.
21. If the operator proposes to make a change in operation of the installation, they 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 function, or an extension, of the installation, which may have consequences for the environment.
22. A nominated person shall at all times, be responsible for the implementation of the conditions of this Permit. Coventry City Council shall be informed within 21 days of the issue of this permit the name of the nominated person. Any changes in the identity of the nominated person shall be notified to Coventry City Council within 21 days of the change taking place. Adequate arrangements shall be made for deputising for the nominated person in the event of a holiday, sickness or other absence.

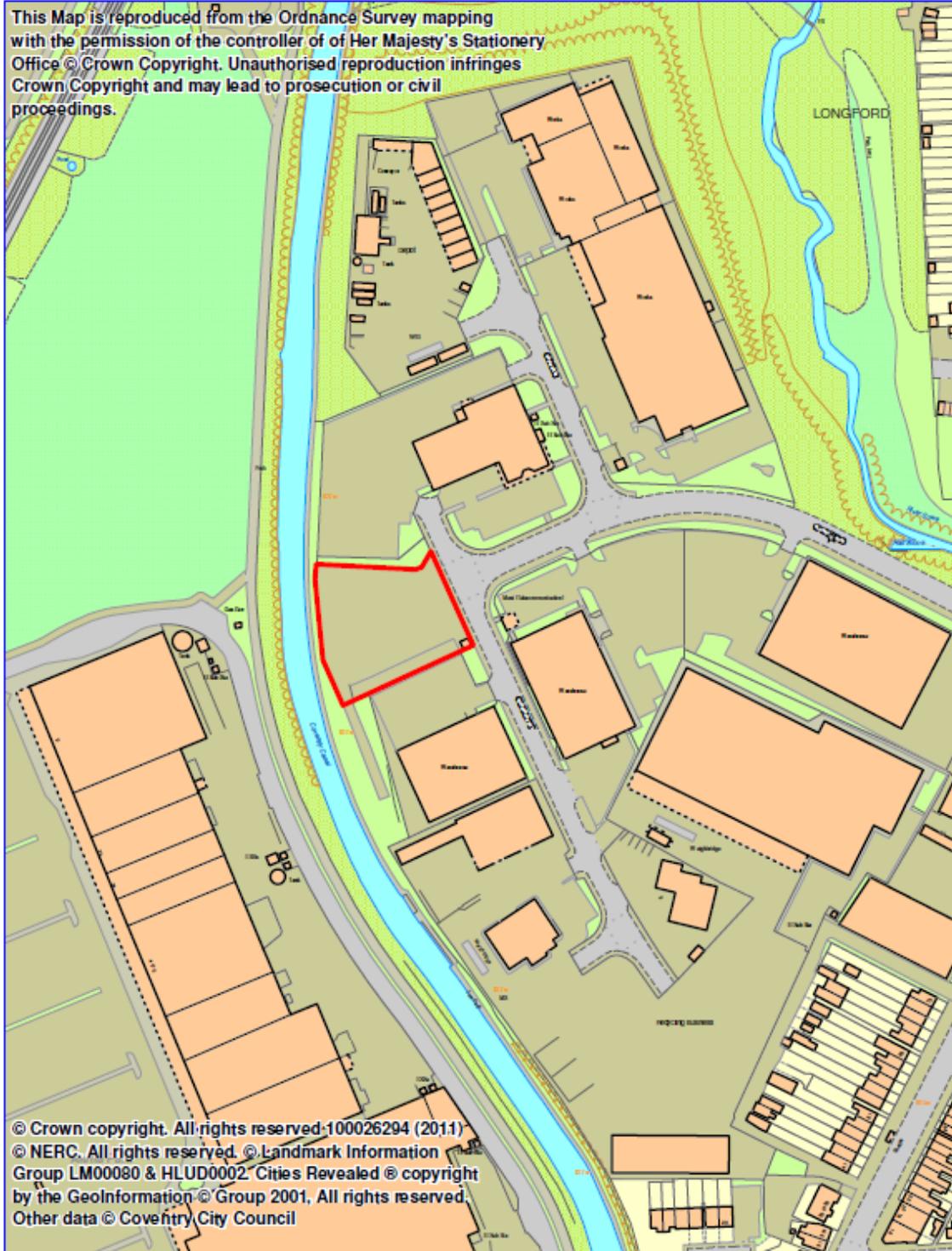
Right to Appeal

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 an unlimited fine and/or 6 months imprisonment. In a Crown Court it is an unlimited fine and/or 5 years imprisonment.

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

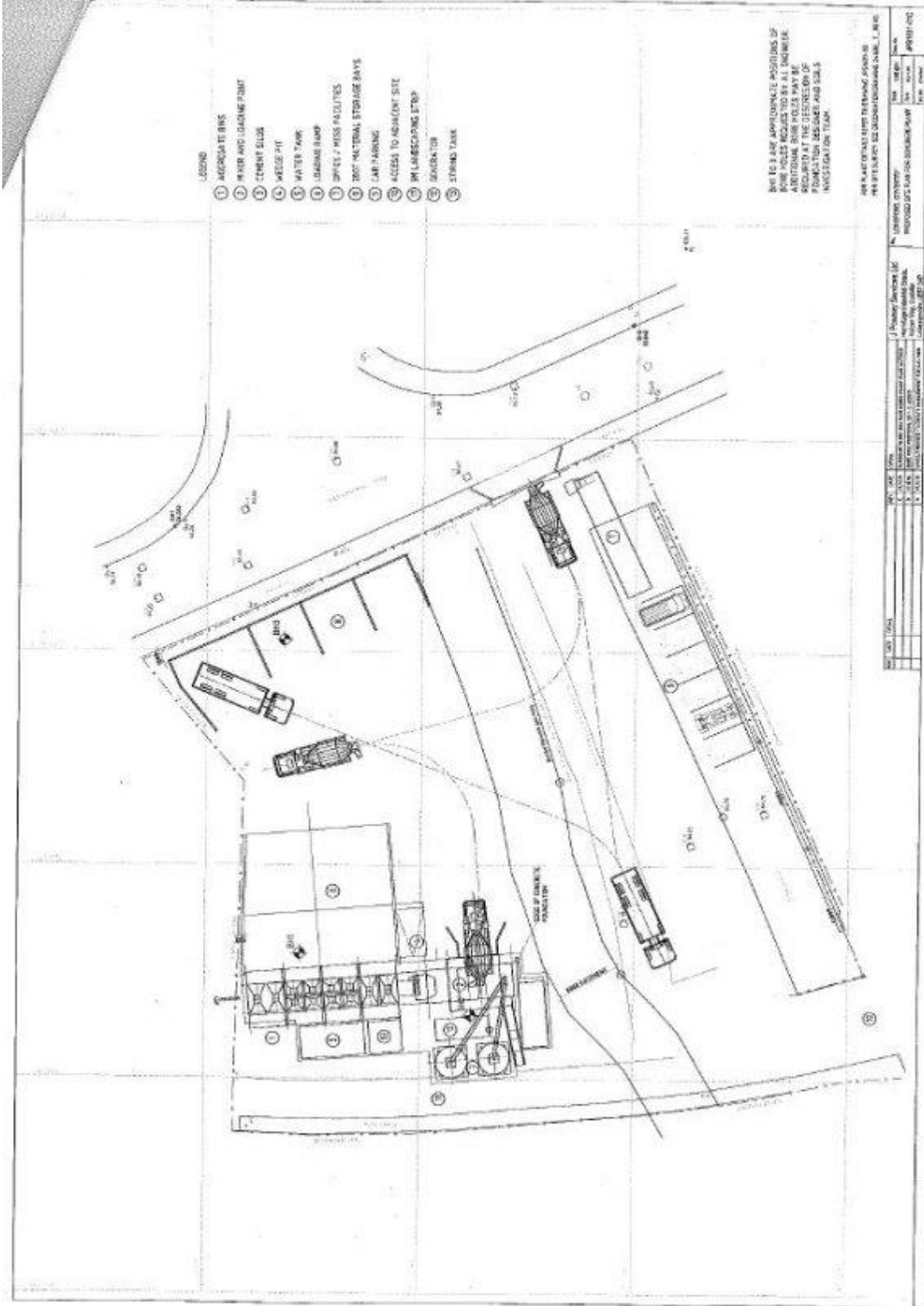
Site boundary plan (Plan A) with boundary marked as red edge



Environmental Health,
Coventry City Council

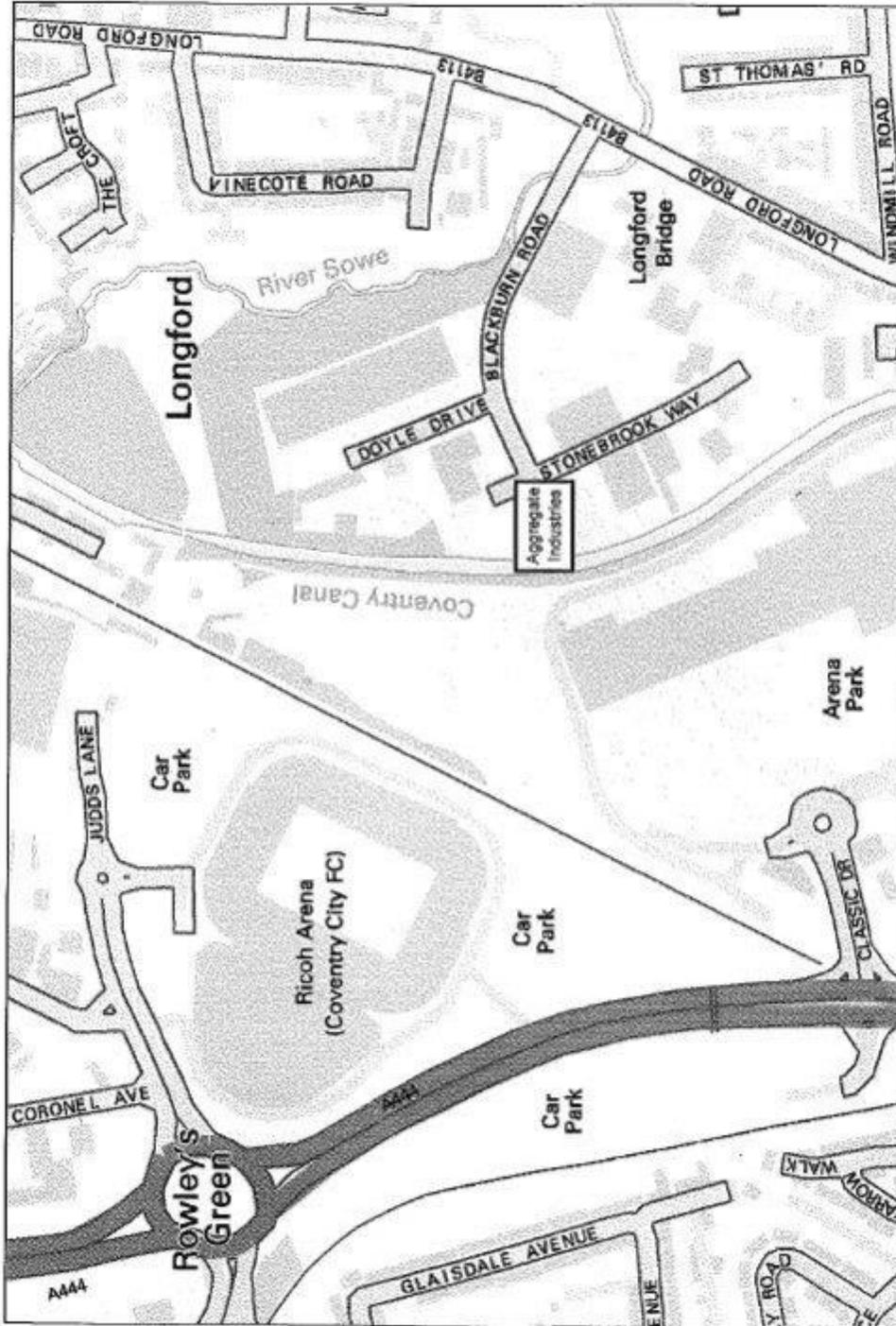


Site layout drawing (Plan B)



Site location plan C

Coventry concrete plant location map



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