

Corby Borough Council
Environmental Services
Working towards a Cleaner Environment

ENVIRONMENTAL PERMIT

Environmental Permitting (England and Wales) Regulations 2016

Installation Address

Breedon Southern Ltd
Gretton Brook Road
Corby
Northamptonshire
NN17 2BA

Breedon Southern Ltd is hereby permitted by Corby Borough Council to carry on a Roadstone Coating Process prescribed in Section 3.5 of The Environmental Permitting (England and Wales) Regulations 2016 as described below and within the installation boundary as marked red on the attached plan and in accordance with the conditions detailed in this Permit.

Signed.......... Date..........
Environmental Protection & Private Sector Housing Manager
Authorised Officer of the Council

Contact Details: Environmental Services
Deene House, New Post Office Square
Corby, NN17 1GD

Tel: 01536 464069 Email: env.health@corby.gov.uk

Permit Holder:	Breedon Southern Ltd
Installation Address:	Gretton Brook Road Corby Northamptonshire NN17 2BA
Registered Address of Company:	Breedon Quarry Main Street Breedon on the Hill Derbyshire DE73 8AP
Provenance	Date
Permit 'deemed' application	4 th December 2006
Revised Permit issued	30 th April 2007
Revised Permit issued (P35/1)	15 th July 2011
Revised Permit issued (P35/2)	18 th October 2012
Revised Permit Issued (P35/3)	26 th September 2016
Permit simplified in accordance with PG Note 3/15(12)	20 th June 2018

Process Description

Aggregates are stored in bunkers prior to transfer for processing through the plant. The aggregates are fed into a rotary drying kiln to remove any moisture. The exhaust gases from the dryer are passed through a two-stage dust collection system before emission to air.

The dried aggregates are then moved via a conveyor and screened into separate size fractions and held in a six-compartment storage hopper. The aggregates are then deposited into a twin shaft paddle mixer and combined with other raw materials and additives including bitumen.

The bitumen is stored in a compound comprising a series of sealed, heated tanks immediately adjacent to the plant from which it is pumped via pipe work to the mixer. Following mixing, the materials are discharged by gravity into a skip capable of holding 3 tonnes. The skip is then hoisted above a storage silo and emptied.

The stored materials are discharged from the silos directly into lorries manoeuvred beneath the silos and transported off site.

The plant consists of eight main items

- a. 12 x 18 tonne aggregate storage hoppers
- b. A Rotary dryer and associated bag filter plant
- c. 60,000 Litre fuel tank
- d. 3 x 80 tonne electronically heated bitumen storage tanks
- e. 1 x 55 tonne imported filler silo including high level alarms and vent filter equipment
- f. 1 x 55 tonne Reclaimed filler silo including high level alarms and vent filter equipment
- g. 1 x 20 tonne Reclaimed asphalt pavement hopper
- h. 1 x 3 ton asphalt mixing tank

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 and made available to the Regulator on request.

Silos

4. Fillers and bitumen shall only be stored within the filler and bitumen silos.
5. 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.
6. Silos shall not be overfilled and there shall be an overfilling alarm.
7. When loading filler silos, deliveries must stop automatically where over-pressurisation or over-filling is identified.

Aggregates delivery and storage

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

Belt conveying

9. All dusty materials, including wastes, shall be conveyed using the fixed, fully enclosed conveyor. All transfer points shall be enclosed in order to minimise the generation of airborne dust.

Loading, unloading and transport

10. No potentially dusty materials (including wastes) or finished products shall arrive on or leave the site other than by use of by use of sheeted vehicles or enclosed tankers.

Roadways and transportation

11. 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.
12. Vehicles shall not track material from the site onto the highway.

Techniques to control fugitive emissions

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

Records and training

14. 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 and odorous emissions and made available to the Regulator on request.
15. 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 and made available to the Regulator on request.

Right to Appeal

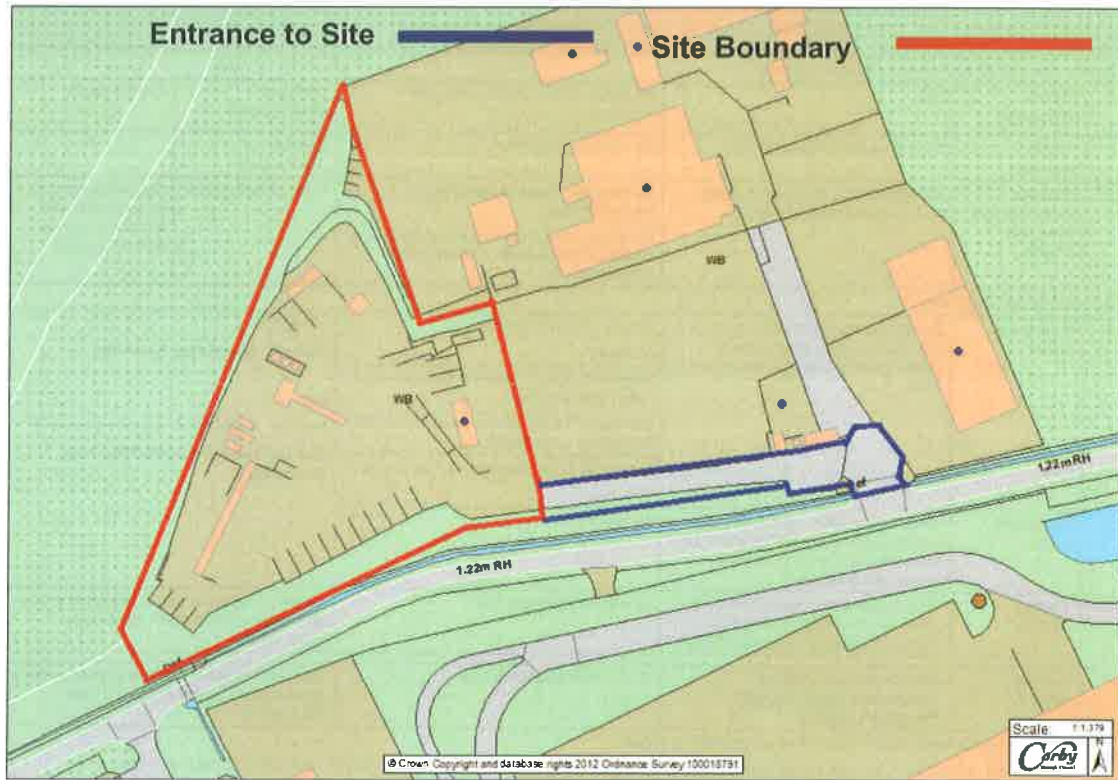
You have the right of appeal against this permit within 6 months of the date of the decision. The Council can tell you how to appeal. You will normally be expected to pay your own expenses during an appeal. You will be liable for prosecution if you fail to comply with the conditions of this permit. If 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.

Table 1

Table 1 - Emission limits, monitoring and other provisions					
Row	Substance	Source	Emission limits / provisions	Type of monitoring	Monitoring frequency
Whole site and all authorised emission points					
1	Visible emissions	Site	No visible emissions to cross site boundary	Operator observations	Once a day
2	Visible emission	All authorised emission points	No abnormal emission	Operator observations	
3	Droplets, persistent mist, fume and smoke	All emissions to air (except steam and condensed water vapour)	No droplets, no persistent mist, no persistent fume. No visible smoke except during start up of coating plant and then no darker than Ringelmann 1	Visual observations	On start-up and on at least two more occasions during the working day
Roadstone coating plant					
4	Particulate matter	Roadstone coating plant existing at 1 July 2004, except where new or replacement arrestment equipment is fitted	Where currently achieved: 50 mg/m ³ Where 50 mg/m ³ currently achieved, but only inconsistently: 100 mg/m ³ PLUS efforts should be made to improve consistency Where 50 mg/m ³ currently not achieved: 100 mg/m ³	EITHER: Periodic, quantitative, 6 monthly OR: Periodic, quantitative, annual monitoring; plus continuously recorded filter leak monitoring	
5	Particulate matter	Since 1 July 2004: new roadstone coating plant, and roadstone coating plant with new or replacement arrestment equipment	50 mg/m ³		
6	Sulphur dioxide	All activities using heavy fuel oil or other residual type/comparable Quality Protocol Processed Fuel Oil	1% wt/wt sulphur in fuel	Sulphur content of fuel is regulated under the Sulphur Content of Liquid Fuels Regulations	
7	Sulphur dioxide	All activities using gas oil/comparable Quality Protocol Processed Fuel Oil	0.1% wt/wt sulphur in fuel	Sulphur content of fuel is regulated under the Sulphur Content of Liquid Fuels Regulations	
Activities burning bio-fuels should have a limit set for sulphur in fuel					
Activities burning waste oil not covered by the quality protocol processed fuel oil must comply with the Waste Incineration Directive (WID).					
Silos					
8	Particulate matter	Silo inlets and outlets	Designed to emit less than 10mg/m ³ No visible emission	Operator/driver observations Record start and finish times	Every delivery
Arrestment plant not serving silos or roadstone coating plant					
9	Particulate matter	Arrestment equipment with exhaust flow >300 m ³ /min: (see note a)	Designed to achieve 50 mg/m ³	Recorded filter leak monitoring	Continuous
10	Particulate matter	Arrestment equipment with exhaust flow >100 m ³ /min: (see note a)	Designed to achieve 50 mg/m ³	Filter leak monitoring to demonstrate that the arrestment equipment is functioning correctly	Continuous
11	Particulate matter	Arrestment equipment with exhaust flow ≤/ <100 m ³ /min (see note a)	No visible emission	Operator observations OR Filter leak monitoring to show that the equipment is functioning correctly	At least daily Continuous
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) - Where the plant is discharging to the external atmosphere					
(b) The reference conditions for limits in Table 1 are: 273 1K, 101 3kPa, without correction for water vapour content.					
(c) All periodic monitoring shall be representative, and shall use standard methods.					
(d) The emission limits do not apply during start-up and shut down. All emissions shall be kept to a minimum during these periods.					

Site Location Map



Site Plan

