



**POLLUTION PREVENTION AND CONTROL ACT 1999
ENVIRONMENTAL PERMITTING (ENGLAND AND WALES) REGULATIONS 2010
(As Amended)**

Permit Number: 3.5/072583/CLP

Installation Address:

Sheffield Asphalt
Unit 3
Europa Way
Sheffield
S9 1TQ

In accordance with Regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010 as amended, Aggregate Industries UK Limited is hereby permitted to operate a scheduled activity at the address detailed above, namely the Coating of Roadstone with Bitumen as described in Schedule 1, Part 2, Chapter 3, Section 3.5, Part B, subsection (e) and subject to the following Permit.

Signed

Dated this day: 26th April 2013

**Assistant Manager
Authorised by Sheffield City Council to sign on their behalf**

The Secretary of States Guidance PG 3/15(12) Roadstone Coating Process has provided the framework for the conditions in this permit.

Name & Address of Operator:

Aggregate Industries UK Limited
Bardon Hall
Copt Oak Road
Markfield
Leics
LE67 9PJ

Company registration number: 00245717

Registered Office:

Holcim Ltd
Zurcherstrasse 156
CH – 8645 Jona
Switzerland

Company registration number: CH – 160.3.003.050-5

Address of Permitted Installation:

Sheffield Asphalt
Unit 3
Europa Way
Sheffield
S9 1TQ

Tel 01709 814577

Talking to Us

Any communication with Sheffield City Council should be made to the following address quoting the Permit Number:

**Environmental Protection Service
Sheffield City Council
2-10 Carbrook Hall Road
Carbrook
Sheffield
S9 2DB**

Alternatively Email: ippc@sheffield.gov.uk

Telephone: (0114) 273 4651

Fax: (0114) 273 6464

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Explanatory Note to Pollution Prevention and Control Permit for Part B Installations
(This 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 as amended, (“the EP Regulations”) to operate an installation carrying out activities covered by the description in Part 2, Chapter 3, Section 3.5, Part B, subsection (e) of Schedule 1 of those Regulations, to the extent authorised by the Permit.

Process Changes

Under the provisions of Regulation 69 of the EP Regulations, you are required to notify the Council of any proposed change in operation at least 14 days before making the change. This must be in writing and must contain a full description of the proposed change in operation and the likely consequences. Failure to do so is an offence.

If you consider that a proposed change could result in the breach of the existing permit conditions or is likely to require the variation of permit conditions then you may apply in writing under Regulation 20(1) of the EP Regulations. Additionally, if this involves a SUBSTANTIAL CHANGE to the installation you will be required to submit an application, pay the relevant fee and advertise the application accordingly. You may serve a Notice on the Council requesting that they determine whether any change that is proposed would constitute a substantial change before you proceed with application.

Variations to the Permit

The Permit may be varied in the future (by the Council serving a Variation Notice on the Operator). If the Operator itself wants any of the Conditions of the Permit to be changed, a formal Application must be submitted.

Surrender of the Permit

Where the operator of a Part B installation or mobile plant ceases or intends to cease the operation of the activity the operator may notify the regulator of the surrender of the whole permit, in any other case, notify the regulator of the surrender of the permit in so far as it authorises the operation of the installation or mobile plant which he/she has ceased or intends to cease operating. The notification shall contain information as described in Regulation 24 or 25 of the EP 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 EP Regulations. A transfer will be allowed unless Sheffield City 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.

Annual Subsistence Fee

In accordance with Regulation 65 of the EP Regulations, the holder of a permit is required to pay a fee for the subsistence of the Permit. This fee is payable annually on 1st April. You are advised that under the provisions of Regulation 65 (5) of the EP Regulations, if you fail to pay the fee due promptly, Sheffield City Council may revoke the Permit. You will be contacted separately each year in respect to this payment.

Public Register

The Council is required by Regulation 46 of the EP Regulations to maintain a Public Register containing information on all LAPPC installations and mobile plant. The register is available for inspection by the public free of charge during office hours (Monday to Friday 9.00 am to 5.00 pm) at the following address:

Environmental Protection Service
Sheffield City Council
2-10 Carbrook Hall Road
Carbrook
Sheffield
S9 2DB

Tel: 0114 273 4651

Confidentiality

Sheffield City Council has a duty to consider the question of confidentiality of information supplied to it. If any information supplied is considered confidential, a statement of which information this applies to and the reasons why it is considered confidential should be specified. The Operator is reminded that he may apply to Sheffield City Council for the exclusion of information from the public register under the provisions of the Environmental Permitting (England and Wales) Regulations 2010 as amended.

Appeals

Under Regulation 31 of the EP Regulations operators have the right of appeal against the conditions attached to their permit. Schedule 6 of the EP Regulations sets out the detailed procedures.

Appeals against a Variation Notice do not have the effect of suspending the operation of the Notice. Appeals do not have the effect of suspending Permit conditions.

Notice of appeal against the conditions attached to the permit must be given within six months of the date of the Notice, which is the subject matter of the appeal.

How to Appeal

There are no forms or charges for appealing. However, for an appeal to be valid, appellants (the person/operator making the appeal) are legally required to provide:

- Written notice of the appeal;
- A statement of the grounds of appeal;
- A statement indicating whether the appellant wishes the appeal to be dealt with by written representations procedure or a hearing - a hearing must be held if either the appellant or enforcing authority requests this, or if the Planning Inspector or the Secretary of State decides to hold one.
- (Appellants must copy the above three items to the local authority when the appeal is made)
- A copy of any relevant application;
- A copy of any relevant permit;
- A copy of any relevant correspondence between the appellant and the regulator; and
- A copy of any decision or notice, which is the subject matter of the appeal.

Where to Send Your Appeal Documents

Appeals should be addressed to:

**The Planning Inspectorate
Environmental Appeals Administration
Room 4/19 - Eagle Wing
Temple Quay House
2 The Square
Temple Quay
Bristol BS1 6PN**

In the course of an Appeal process the main parties will be informed of procedural steps by the Planning Inspectorate.

To withdraw an appeal the appellant must notify the Planning Inspectorate in writing and copy the notification to the local authority.

Description of Activities

The production of up to 370,000 tonnes per annum of coated aggregate, utilising a new Ammann Universal 240 road stone coating plant fitted with a 20 MW monoblock burner. The primary fuel source for the burner is natural gas, with a permitted secondary fuel source of gas oil for use in the event of emergencies, and restricted to no more than 20 days per annum.

The permit covers all ancillary operations such as the delivery of materials by road and rail, storage of raw materials, loading of aggregate into the plant and the storage and dispatch of wastes and final products as carried out within the installation boundary marked in red on the plan shown in Schedule 2 to this Permit.

The operator, Aggregate Industries UK Ltd, is authorised to operate the activity at the installation on Europa Way, Sheffield, subject to the following conditions.

Conditions of Permit.

Section 1 – Upgrading.

1.1	There are currently no works of upgrading required by this Permit.

Section 2 - Emissions and Monitoring.

2.1	No visible particulate matter shall be emitted beyond the installation boundary.
2.2	The emission requirements and methods and frequency of monitoring set out in Schedule1, Table 1 shall be complied with. Sampling shall be representative.
2.3	The operator shall keep records of inspections, tests and monitoring, including all non-continuous monitoring, inspections and visual assessments. The records shall be: <ul style="list-style-type: none"> • <input type="checkbox"/> Kept on site; • Kept by the operator for at least two years; and • <input type="checkbox"/> Made available for officers of Sheffield City Council’s Environmental Protection Service to examine.
2.4	All continuous monitors fitted to show compliance with the permit shall be fitted with a visible and audible alarm warning of arrestment failure or malfunction. The alarms shall activate when emissions reach the equivalent reference value of 75% of 50mg/m ³ , and record automatically each activation shall be recorded automatically.
2.5	Alarms serving the continuous monitors shall be tested at least once a week, and a record of the test shall be kept.
2.6	All continuous monitoring readings should be on display to appropriately trained operating staff.
2.7	All pollution abatement plant and equipment capable of preventing emissions shall be operated and maintained in accordance with the manufacturer’s instructions. Records shall be kept of such maintenance.

2.8	All monitoring devices, such as the particulate matter continuous monitors, and any associated dataloggers, shall be calibrated and maintained in accordance with the manufacturer's instructions. Records shall be kept of such maintenance and calibration.
2.9	The operator shall notify Sheffield City Council's Environmental Protection Service at least 7 days before any periodic monitoring exercise to determine compliance with emission limit values. The operator should state the provisional time and date of monitoring, pollutants to be tested and the methods to be used.
2.10	The results of non-continuous emission testing shall be forwarded to Sheffield City Council's Environmental Protection Service within 8 weeks of completion of the sampling.
2.11	Adverse results from any monitoring activity (both continuous and non-continuous) shall be investigated by the operator as soon as the monitoring data has been obtained. The operator shall: <ul style="list-style-type: none"> • Identify the cause and take corrective action; • Clearly record as much detail as possible regarding the cause and extent of the problem, and the remedial action taken; • Notify Sheffield City Council's Environmental Protection Service of the breach within 1 day of receiving the results; • Re-test to demonstrate compliance as soon as possible; and inform Sheffield City Council's Environmental Protection Service of the steps taken and the re-test results.

Section 3 – Recycling Asphalt Containing Coal Tar.

3.1	Recycled asphalt pavement containing coal tar shall be identified, and stored separately from other recycled asphalt and processed using methods which do not create odours which are detected beyond the installation boundary.

Section 4- Silos.

4.1	Fillers and bitumen shall only be stored within the filler and bitumen silos.
4.2	Deliveries to silos from road vehicles shall only be made using tankers with an on-board (truck mounted) relief valve and filtration system. This means that venting air from the tanker at the end of a delivery will not take place through the silo. Use of alternative techniques may be acceptable provided that they achieve an equivalent level of control with regard to potential for emissions to air. Alternative techniques must be approved in writing by

	Sheffield City Council's Environmental Protection Service prior to use.
4.3	Care should be taken to avoid delivering materials to silos at a rate which is likely to result in pressurisation of the silo. If compressed air is being used to blow powder into a silo then particular care is required towards the end of the delivery when the quantity of material entering the ducting is reduced and hence the air flow is increased.
4.4	All silos shall be fitted with an automatic system to cut off delivery in the event of pressurisation or overfilling. Use of alternative techniques may be acceptable provided that they achieve an equivalent level of control with regard to potential for emissions to air. Alternative techniques must be approved in writing by Sheffield City Council's Environmental Protection Service prior to use.
4.5	Operators shall have a procedure in place to ensure that visual assessments of emissions from silo inlet connections and the silo arrestment plant are undertaken throughout the duration of all bulk deliveries. The start and finish times of all deliveries shall be recorded.
4.6	Seating of pressure relief devices on silos shall be checked at least once a week, or before a delivery takes place, whichever is the longer interval.
4.7	If emissions of particulate matter are visible from ducting, pipework, the pressure relief device or dust arrestment plant during silo filling, the delivery shall cease and the cause of the problem rectified prior to further deliveries taking place. The incident shall be recorded in the site log book.
4.8	Tanker drivers shall be trained on the correct delivery procedure to be followed.

Section 5 - Aggregates Delivery and Storage.

5.1	Dusty materials, including wastes, shall only be stored in specific storage locations, as detailed on the plan attached to this permit – Schedule 3.
5.2	Dusty materials shall be subject to suppression and management techniques to minimise dust emissions.
5.3	Potentially dusty stocks of materials, except sand or washed product, shall be held in three storage bays within a structure consisting of at least three walls and a roof. Coarse materials shall be stored in three sided storage bays without roofs. All feed hoppers shall be located within a structure consisting of at least three walls and a roof.

Section 6- Belt Conveying.

6.1	Where dusty materials are conveyed, the conveyor and any transfer points should be enclosed to such an extent as to minimise the generation of airborne dust.
6.2	Conveyors shall be fitted with effective means for keeping the return belt clean and for collecting materials removed by this cleaning operation. For example, belt scrapers fitted at all head drum returns and catch plates fitted to contain falling dust.

Section 7 - Loading, Unloading and Transport.

7.1	Potentially dusty materials, including wastes or finished products, shall arrive on or leave the site in covered or fully enclosed means of transport.
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Section 8 - Roadways and Transportation.

8.1	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.
8.2	Vehicles used to transport potentially dusty materials shall be sheeted or otherwise totally enclosed as soon as possible after loading and before leaving the site.
8.3	Vehicles shall not track or deposit material from the site onto the highway. Where necessary to prevent visible dirt and dust being carried off site, wheel cleaning facilities shall be provided and used by vehicles before leaving the site.
8.4	Where rail wagons are used to transport potentially dusty materials the following techniques shall be used to prevent emissions in transit: <ul style="list-style-type: none">• For short journeys (typically of duration less than 1 hour) or for mineral loads with a minimal content of particles below 6mm, water suppression will normally be sufficient.• <input type="checkbox"/> For longer journeys, or where a higher proportion of fine material is being transported, then preferably use rail wagons that are "canopied" or aerodynamically designed to prevent or virtually eliminate product blow off. Otherwise, an aqueous polymer dispersion should be applied to the surface of the load.

Section 9 - Techniques to Control Fugitive Emissions

9.1	All process buildings except semi-enclosed mixing buildings shall be made as dust tight as is necessary to prevent visible emissions. For mixing buildings which are semi-enclosed, visible dust emissions shall be minimised.
9.2	All process buildings should be cleaned regularly, according to a written maintenance programme, to prevent build up of dust deposits and minimise fugitive emissions.
9.3	Dusty wastes shall be stored in closed containers and handled in a manner that avoids emissions of dust.
9.4	All spillages which may give rise to dust emissions shall be cleaned up promptly, normally by wet handling methods. Dry handling of dusty spillages shall not be permitted other than in fully enclosed buildings.
9.5	A major spillage shall be dealt with on the same day that it occurs, and measures to minimise emissions, such as wetting the surface to create a crust, shall be taken immediately.

Section 10 - Records and Training.

10.1	Written or computer records of all tests and monitoring shall be kept by the operator for at least 2 years. They, and a copy of all manufacturer's instructions, referred to in this permit shall be made available for examination by officers of Sheffield City Council's Environmental Protection Service. Records shall be kept of operator inspections, including those for visible and odorous emissions.
10.2	All staff whose functions could impact on air emissions from the activity shall receive appropriate training on those functions. This shall include: <ul style="list-style-type: none">• awareness of their responsibilities under the permit;• <input type="checkbox"/> steps that are necessary to minimise emissions during start-up and shutdown;• actions to take when there are abnormal conditions, or accidents or spillages that could, if not controlled, result in emissions.

Section 11- Fuel Source.

11.1	The fuel source permitted for use to fuel the burner is natural gas. Gas oil is permitted to be used in the event of emergency only. The use of gas oil is
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	restricted to no more than 20 days in any twelve month period.
11.2	In event that gas oil is required to be used on site, the operator shall; <ul style="list-style-type: none"> • Notify Sheffield City Council's Environmental Protection Service in writing prior to it's use, detailing the period the gas oil will be used for and estimated throughput; • Record the cause of the emergency and the remedial action taken to address it; • Record in detail the use of gas oil in the site log book.
11.3	The operator must be able to demonstrate that every effort is made to ensure the use of gas oil is prevented, and where it is necessary to use gas oil, that it's use is kept to a minimum.

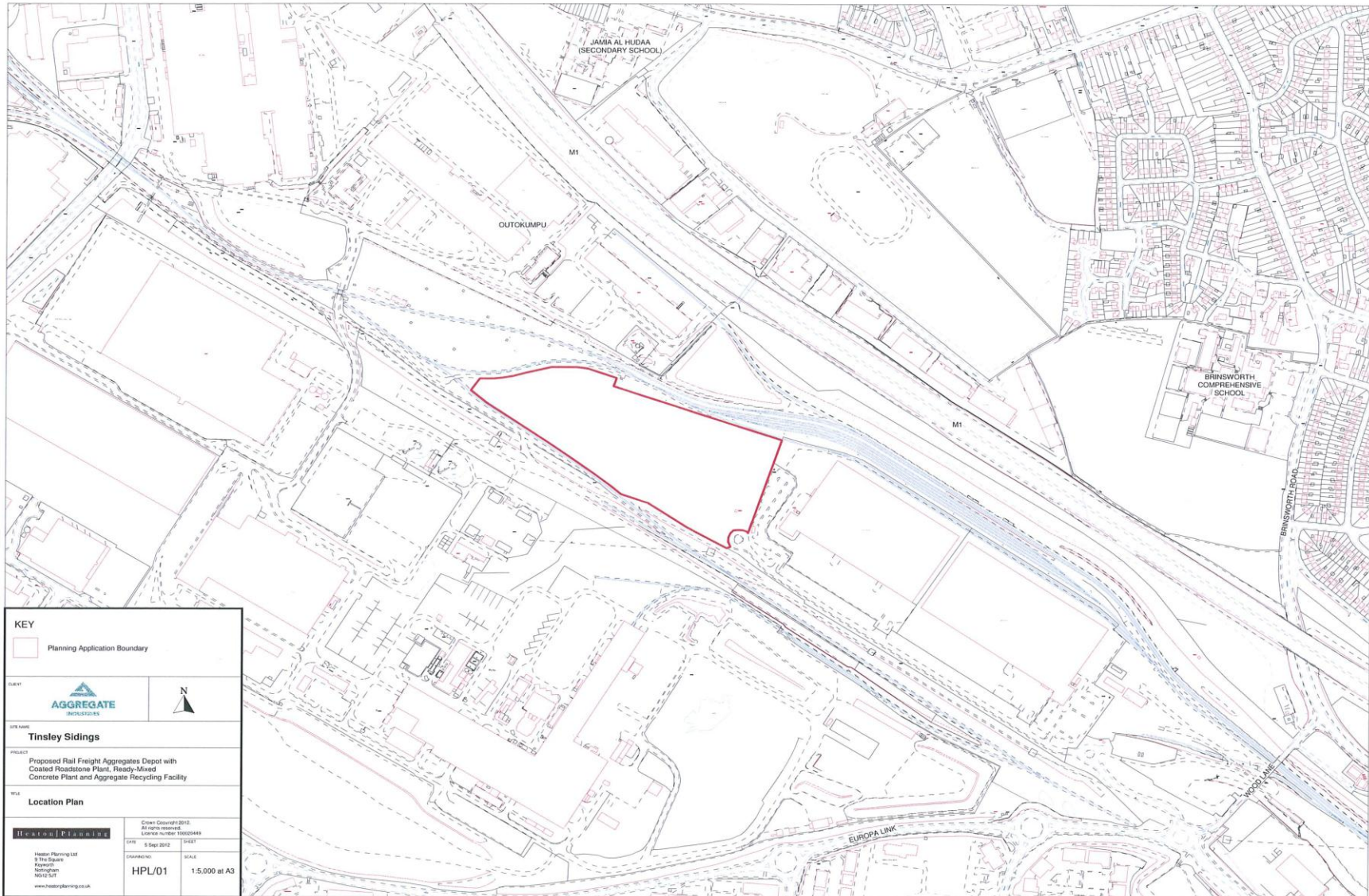
Section 11- Best Available Techniques.

12.1	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.
12.2	The operator must notify Sheffield City Council's Environmental Protection Service in writing of any proposed operational change, at least 14 days prior to making the change. "Operational change" means a change in the nature of functioning, a change in plant, equipment or materials, or extension to the installation, which may have consequences for the environment.

Schedule 1 – Table 1: Emission Limits, Monitoring and other Provisions.

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	On start-up and on at least two more occasions during the working day
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	
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

Schedule 2 – Location Plan



Schedule 3 – Installation Layout

