



**POLLUTION PREVENTION AND CONTROL ACT 1999  
ENVIRONMENTAL PERMITTING (ENGLAND AND WALES) REGULATIONS  
2016, as amended**

**Permit Number: 3.1/095455/JT**

**Installation Address:**  
Aggregate Industries UK Limited  
Tinsley Concrete  
Unit 3 SIRFT  
Europa Link  
Sheffield  
S9 1QT

**In accordance with Regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016, as amended, Aggregate Industries UK Limited is hereby permitted to operate a scheduled activity at the address detailed above, namely blending cement in bulk or using cement in bulk other than at a construction site, including the bagging of cement and cement and mixtures, the batching of ready-mixed concrete as described in Schedule 1, Part 2, Chapter 3, Section 3.1, Part B, subsection (b) and subject to the following Permit.**

**Signed**

**Dated this day: 6<sup>th</sup> January 2020**

**Dominic Stokes  
Commercial Team Manager  
Authorised by Sheffield City Council to sign on their behalf**

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The Secretary of States Guidance PG 3/1(12) Blending, Packing, Loading and Use of Bulk Cement has provided the framework for the conditions in this Permit.

**Name & Address of Operator:**

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

**Registered Office:**

Aggregate Industries UK Limited  
Bardon Hall  
Copt Oak Road  
Markfield  
Leicestershire  
LE67 9PJ  
Company registration number: 00245717

**Address of Permitted Installation:**

Tinsley Concrete  
Unit 3  
SIRFT  
Europa Link  
Sheffield  
S9 1TQ

**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  
5th Floor (North)  
Howden House  
1 Union Street  
Sheffield  
S1 2SH  
Telephone: (0114) 273 4651  
Email: [ippc@sheffield.gov.uk](mailto:ippc@sheffield.gov.uk)

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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 2016 ( Statutory Instrument 1154), (“the EP Regulations”) to operate an installation carrying out activities covered by the description in section 3.1, Chapter 3 of Schedule 1 of those Regulations, to the extent authorised by the Permit:

### **Process Changes**

As part of your permit 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.

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## **Annual Subsistence Fee**

In accordance with Regulation 66 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 66 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  
5th Floor (North)  
Howden House  
1 Union Street  
Sheffield  
S1 2SH  
Telephone: (0114) 273 4651  
Email: [ippc@sheffield.gov.uk](mailto:ippc@sheffield.gov.uk)

## **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 2016 (1154).

## **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.

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## 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.

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## Definitions

In relation to this Permit, the following expressions shall have the following meanings:

*“Application”* means the application for this Permit, together with any response to a notice served under Schedule 4 to the EPR Regulations and any operational change agreed under the conditions of this Permit.

*“EPR Regulations”* means the Environmental Permitting (England and Wales) Regulations S.I.2016 No. 1154 (as amended) and words and expressions defined in the EPR Regulations shall have the same meanings when used in this Permit save to the extent they are explicitly defined in this Permit.

*“Permitted Installation”* means the activities and the limits to those activities described in this Permit.

*“Monitoring”* includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

*“Regulator”* means any officer of Sheffield City Council who is authorised under section 108(1) of the Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in Section 108(1) of that Act.

*“BAT”* means 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 bases for emission limit values designed to prevent, and where that is not practical, generally to reduce emissions and the impact on the environment as a whole. For those purposes:

*“available techniques”* means those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the cost and advantages, whether or not the techniques are used or produced inside the United Kingdom, as long as they are reasonably accessible to the Operator;

*“best”* means, in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole; *“techniques”* include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned. Schedule 2 of the Regulations shall have effect in relation to the determination of best available techniques, and;

*“Fugitive Emission”* means an emission to air from the permitted installation that is not controlled by an emission limit imposed by a condition of this Permit.

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## Description of Activities

The process is operated within the boundary as indicated on the site location and layout, shown in schedules 2, 3 and 4. The plant used is a Euromecc Fast 3330 Venezia mobile concrete plant as shown in the drawing on page 18.

The process involves the batching of ready-mix concrete within a wet mix batching plant incorporating aggregate storage bins and 2x 100 tonne capacity cementitious material storage silos. One stores Ordinary Portland Cement (OPC) and the other Ground Granular Blast Furnace Slag (GGBA). Each silo is served by WAM reverse jet filters. Each silo is fitted with high level audible and visual alarms. The high level alarms serving each of the silos are connected to a system on the fill pipe to prevent over-filling or over-pressurisation. Automatic shut off valves are fitted on the inlet pipes.

Cementitious material is delivered by road in bulk tankers fitted with on board pressure relief valves and filtration. The powdered materials are transferred through a closed system of heavy duty hoses to the silos, using compressed air. Cementitious materials are discharged from the silos via screw conveyor to the cement weigh bin in the mixing unit.

Concrete batching starts with aggregates being transported from the storage bays by mechanical loading shovel and fed into the ground feed storage bins. Aggregates are discharged by gravity onto the weigh conveyor. Materials are then transferred to the wet batch mixer by enclosed conveyor.

Aggregates and cement are fed from the hoppers into the mixer, water is added together with any admixtures or additions required, and materials mixed. The wet batch twin shaft is fully enclosed. On completion of mixing, the fresh concrete is discharged into a truck mixer for delivery.

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## Conditions of Permit.

### Section 1 – Upgrading

1.1 There are no upgrading conditions.

### Section 2 – Emissions and Monitoring

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

2.2 The operator shall keep records of inspections, test and monitoring, including all non-continuous monitoring, inspections and visual assessment. Records shall be:

- Kept on site;
- Kept by the operator for at least two years; and
- Made available for the regulator to examine.

2.3 The emission requirements and methods and frequency of monitoring set out in Table 1, in Schedule 1, shall be complied with. Sampling shall be representative.

2.4 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 results exceed 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.

2.5 All plant and equipment capable of causing, or preventing, emission and all monitoring devices shall be calibrated and maintained in accordance with the manufacturing instructions. Records shall be kept on such maintenance.

### Section 3 - Silos

3.1 Bulk cement and cementitious materials shall only be stored inside silos.

3.2 Dust emissions from loading or unloading road tankers shall be minimised by venting to reverse jet filters 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.

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- 3.3 Silos and bulk containers of dusty materials shall not be overfilled and shall be fitted with an overfilling alarm.
  - 3.4 Displaced air from pneumatic transfer shall pass through filters prior to emission to air.
  - 3.5 Bulk storage tanks and silos containing dry material shall each be equipped with an audible and/or visible high level alarm, or volume indicator, to warn of overfilling. The correct operation of such alarms shall be checked in accordance with manufacturer's instructions. If manufacturer's instructions do not specify, then the check shall be weekly or before a delivery takes place, whichever is the longer interval.

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

- 3.6 If emissions of particulate matter are visible from ducting, pipe work, the pressure relief device or dust arrestment plant during silo filling, the operation shall cease; the cause of the problem shall be rectified prior to further deliveries taking place. Tanker drivers shall be informed of the correct procedure to be followed.
- 3.7 Seating of pressure relief devices on silos shall be checked at least once a week, or before a delivery takes place, which ever is the longer interval.
- 3.8 Immediately it appears that the pressure relief device has become unseated during silo filling, no further delivery shall take place until corrective action has been taken. The pressure relief device shall be examined to check for defects before being reset and a replacement fitted if necessary. Tanker drivers shall be informed of the correct procedure to follow.

#### **Section 4- Aggregates Delivery and Storage**

- 4.1 Dusty materials, including dusty waste, shall only be stored within a 3 sided storage bays and shall be subject to suppression and management techniques to minimise dust emissions.
- 4.2 The operator shall ensure that the storage bays are never overfilled. Spillages of aggregates outside these areas shall be cleared immediately.
- 4.3 When the capacity of the storage bays are not sufficient to contain materials, excess material shall be stored in appropriate locations and covered with sheets to prevent dust emissions.

#### **Section 5- Belt Conveying**

- 5.1 The aggregate feed conveyor shall be totally enclosed to reduce wind whipping of dust.

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- 5.2 Conveyors shall be fitted with effective means of keeping the return belt clean and for collecting materials removed by the cleaning operation.

### **Section 6- Loading, Unloading and Transport**

- 6.1 No potential dusty materials including waste or finished products shall arrive on or leave the site other than by use of sheeting or water suppression to prevent airborne emissions of dust.
- 6.2 Truck mixers shall be loaded in such a way as to minimise airborne dust emissions, for example by loading with wet pre-mixed materials. If they are loaded with dry minerals, local dust control measures shall be provided.

### **Section 7- Roadways and Transportation**

- 7.1 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.
- 7.2 Vehicles shall not track materials from the site onto the highway.

### **Section 8- Techniques to Control Fugitive Emissions**

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

### **Section 9- Records and Training**

- 9.1 Written or computer records of all tests and monitoring shall be kept by the operator for at least **2 years**. They shall be made available for examination by the regulator. Records shall be kept of all operator inspections, including those for visible emissions.
- 9.2 All staff whose functions could impact on air emissions from the activity shall receive appropriate training on those functions. This shall include:
- Awareness of their responsibilities under the permit;
  - 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.
- 9.3 The operator shall maintain a statement of training requirements for each post with the above mentioned functions and keep a record of the training received by each person. These documents shall be made available to the regulator on request.

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## **Section 10- Best Available Techniques**

10.1 The best available techniques shall be used to prevent or, where that is not practicable reduce emission 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.

### **END OF CONDITIONS.**

#### **Please Note**

Where complaint is attributable to the operation of the installation and is, in the opinion of the Local Authority, justified, or if new knowledge develops on the potential for harmful effects from emissions, an immediate review of the Permit shall be undertaken. The Local Authority shall subsequently specify any new requirements and compliance time scales.

An annual subsistence fee as prescribed by the Secretary of State for the Environment shall be payable, for this Permit, by the process Operator, to this Authority within 2 weeks of the 1<sup>st</sup> April of each year.

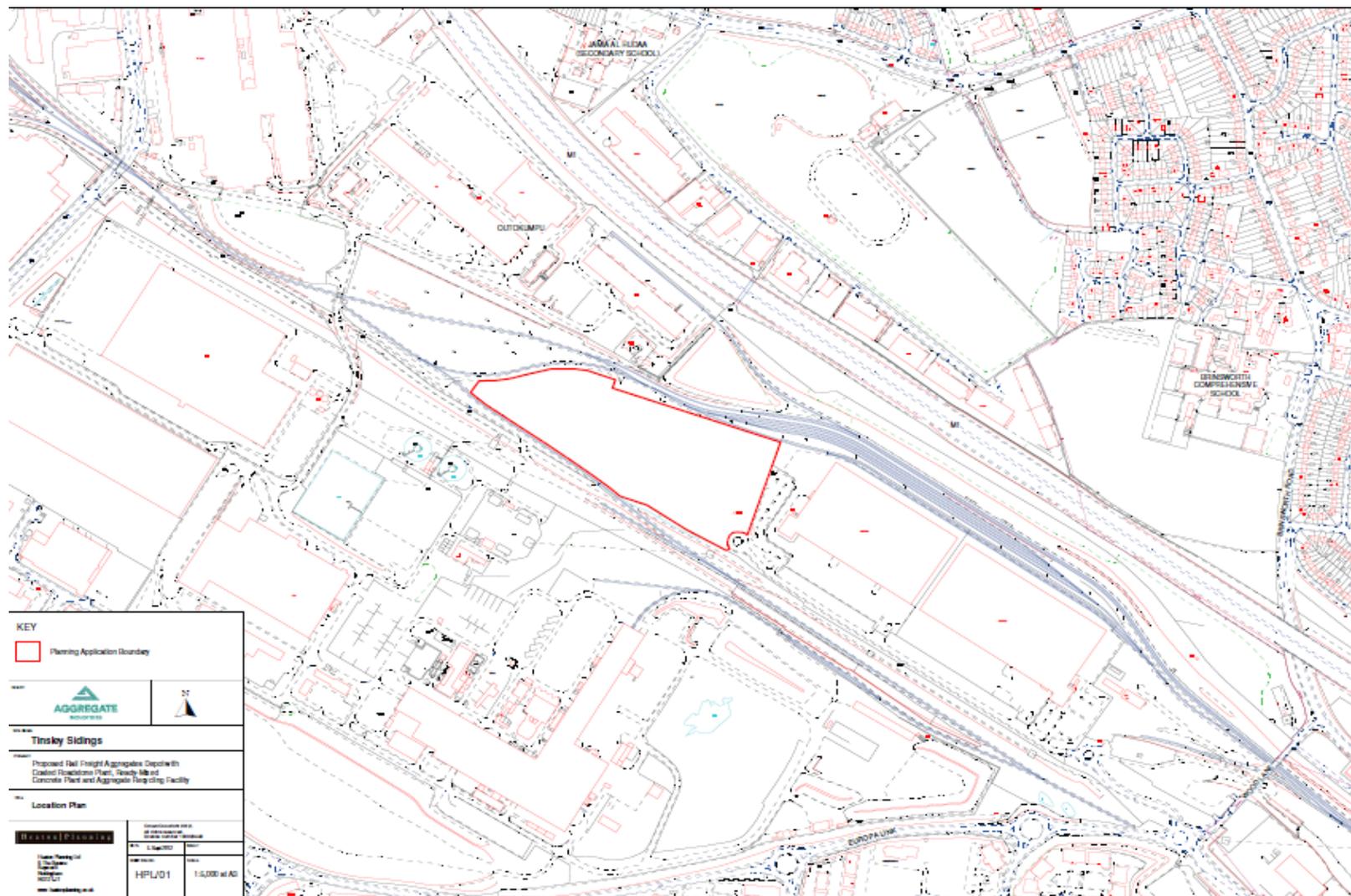
In the event that the Permit has been issued after the 1<sup>st</sup> April in the initial year then the subsistence fee shall be pro rata for the complete months remaining and shall be due within 2 weeks of the Permit issue date.

If the relevant payment is not received by Sheffield City Council's Environmental Protection Service then Permit revocation procedures shall be initiated.

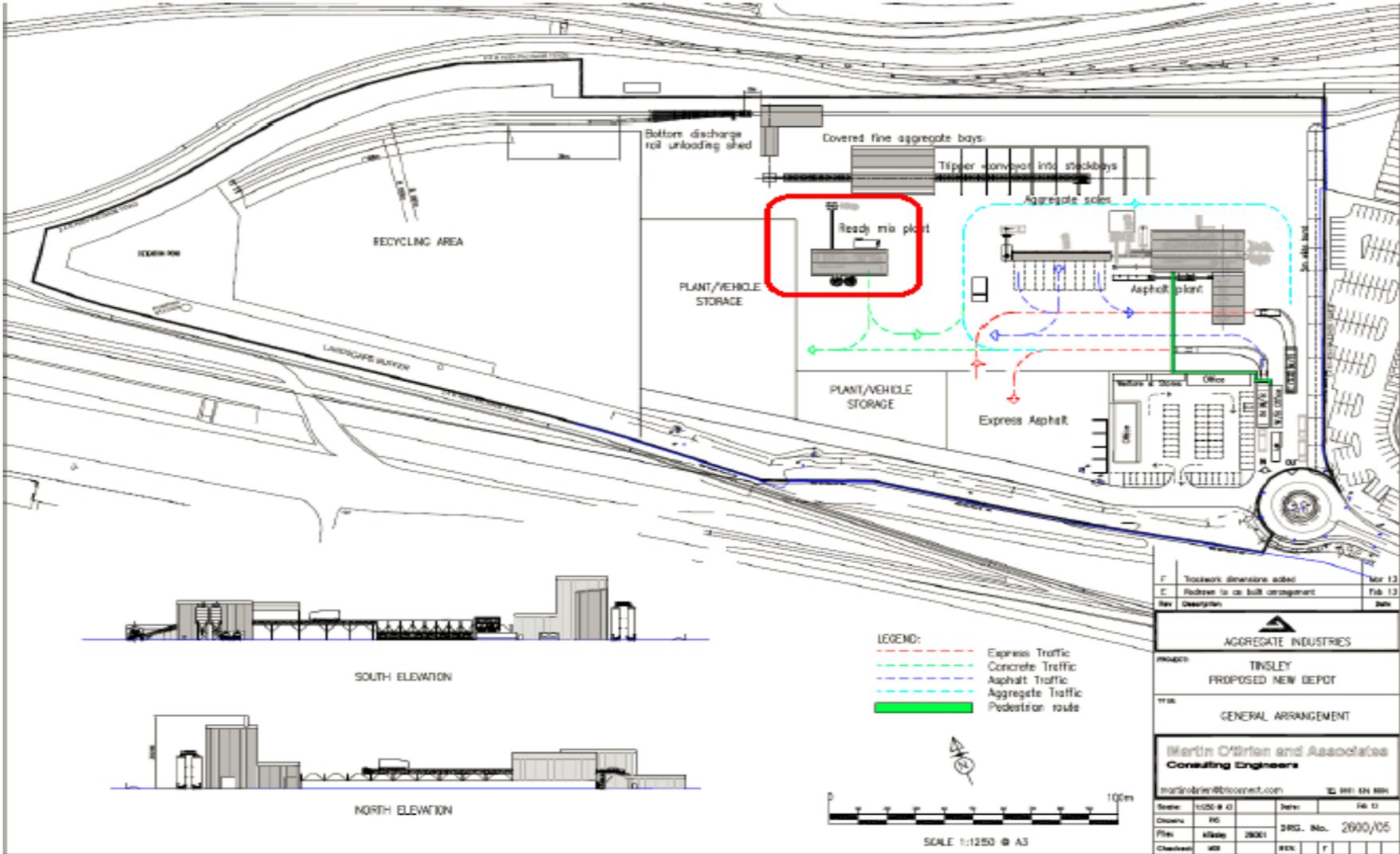
## Schedule 1- Table 1: Emission limits, Monitoring and Related Provisions

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 ( <i>for silos new since 1st July 2004</i> )	Designed to emit less than 10mg/m <sup>3</sup>	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 <sup>3</sup> /min. (other than silo arrestment plant)	50mg/m <sup>3</sup>	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 <sup>3</sup> /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 <sup>3</sup>	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 <sup>3</sup> /min. (other than silo arrestment plant)	No visible emission	Operator observation Or Indicative monitoring	At least daily Or Continuous		
2	Droplets, persistent mist and fume	All emissions to air (except 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.					

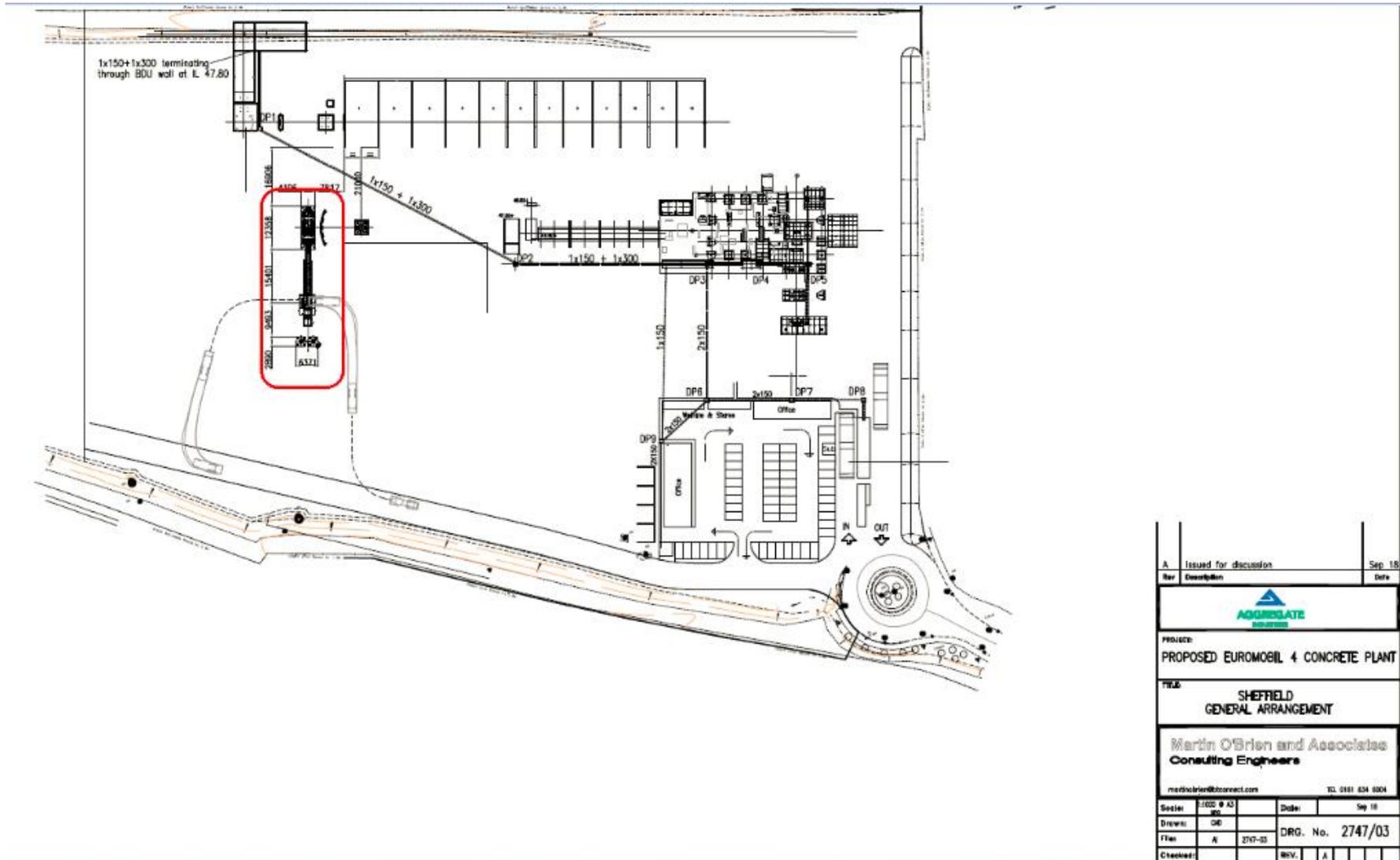
## Schedule 2 Installation Location and Boundary



### Schedule 3 Installation Location



## Schedule 4 Installation Layout of Plant



## Schedule 5 Process Flow Diagram

Tinsley Concrete 1

