

# Permit With Introductory Note



The Pollution Prevention and Control Act 1999  
The Pollution Prevention and Control (England & Wales) Regulations 2010

**Euromix Concrete Limited**  
**Unit 1**  
**Boreham Industrial Estate**  
**Waltham Road**  
**Boreham**  
**Chelmsford**  
**Essex CM3 3AQ**  
**LAPPC Permit Ref No: PC36/3**

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## Chronicle

Detail	Date	Comments
LAPPC Deemed Applicable	31 <sup>st</sup> January 2006	Duly made
Consultation Permit	29 <sup>th</sup> March 2006	3.1/SR/1/06
Permit Issued	14 <sup>th</sup> February 2007	3.1/LK/2/07
Permit Varied	30 <sup>th</sup> October 2012	PC36/3

Permit issued by:  
Louise Burns

date: 30<sup>th</sup> October 2012

Environmental Protection Services  
Ipswich Borough Council  
4<sup>th</sup> Floor West  
Grafton House  
15-17 Russell Road  
Ipswich  
IP1 2DE

Telephone: 01473 433039  
Fax: 01473 433062  
Website: [www.ipswich.gov.uk](http://www.ipswich.gov.uk)  
Email: [environmentalprotection@ipswich.gov.uk](mailto:environmentalprotection@ipswich.gov.uk)

## **INTRODUCTORY NOTE**

*This introductory note does not form part of the permit*

The following Permit is issued under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000, as amended, to operate a scheduled installation carrying out an activity, or activities covered by the description in sections 3.1B(b) in Part 1 to Schedule 1 of the PPC regulations, to the extent authorised by the Permit.

Conditions within this Permit detail Best Available Techniques (BAT), for the management and operation of the installation, to prevent, or where that is not practicable, to reduce emissions.

Aspects of the operation of the installation that are not regulated by conditions in this Permit are subject to BAT through the condition implied by regulation 12(10) of the PPC Regulations.

In determining BAT, the Operator should pay particular attention to relevant sections of the LAPPC Process Guidance note 3/1(04), and any other relevant guidance. Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

Note that the Permit requires the submission of certain information to the Regulator, and in addition, the Regulator has the power to seek further information at any time under Regulation 28 of the PPC Regulations provided that the request is reasonable.

### **Public Registers**

Information relating to Permits, including the application, is available on public registers in accordance with the PPC Regulations. Certain information may be withheld from the public registers where it is commercially confidential, or if it is in the interest of national security to do so.

### **Variations to the Permit**

The Regulator may vary the permit in the future, by serving a variation notice on the Operator. Should the Operator want any of the conditions of the Permit to be changed, a formal application must be submitted to the Regulator (the relevant forms are available from the Regulator). The Status Log that forms part of this introductory note will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

### **Transfer of the Permit or Part of the Permit**

Before the Permit can be wholly or partially transferred to another Operator, an application to transfer the Permit has to be made jointly by the existing and proposed Operators. A transfer will not be approved if the Regulator is not satisfied that the proposed Permit holder will be the person having control over the operation of the installation, or will not comply with the conditions of the transferred Permit. In addition, if the Permit authorises

the Operator to carry out a specified waste management activity, the transfer will not be approved if the Regulator does not consider the proposed Permit holder to be a 'fit and proper person' as required by the PPC Regulations.

### **Surrender of the Permit**

Where an operator intends to cease the operation of an installation (in whole or in part) the Regulator should be informed in writing. Such notification must include the information specified in Regulation 20(3) of the PPC Regulations.

### **Responsibility under Workplace Health and Safety Legislation**

The permit is given in relation to the requirements of the PPC Regulations. It must not be taken to replace any responsibilities an Operator may have under the workplace health and safety legislation.

### **Appeal Against Permit Conditions**

Any person who is aggrieved by the conditions attached to a Permit can appeal to the Secretary of State for Environment, Food & Rural Affairs. Appeals must be received by the Secretary of State no later than 6 months from the date of the decision (22<sup>nd</sup> October 2012).

Appeals relating to installations in England should be received by the Secretary of State for Environment, Food & Rural Affairs. The address is as follows:

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

The appeal must be in the form of a written notice or letter stating that the person wishes to appeal and listing the condition(s) which is/are being appealed against. The following five items must be included:

- (a) A statement of the grounds of appeal;
- (b) A copy of any relevant application;
- (c) A copy of any relevant Permit;
- (d) A copy of any relevant correspondence between the person making the appeal and the Council;
- (e) A statement indicating whether the appellant wishes the appeal to be dealt with.
  - by a hearing attended by both parties and conducted by an inspector appointed by the Secretary of State; or
  - by both parties sending the Secretary of State written statements of their case (and having the opportunity to comment upon one another's statements).

At the same time, the notice of appeal and documents (a) and (e) must be sent to the Council, and the person making the appeal should inform the appropriate Secretary of State that this had been done. At the same time, the notice of appeal and documents (a) and (e) must be sent to the Council, and the person making the appeal should inform the appropriate Secretary of State that this has been done.

- An appeal will not suspend the effect of the conditions appealed against; the conditions must still be complied with.
- In determining an appeal against one or more conditions, the Act allows the Secretary of State in addition to quash any of the other conditions not subject to the appeal and to direct the local authority to either vary any of these conditions or to add new conditions.

#### **Copyright of any Maps Provided with this Permit**

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#### **Talking to us**

Please quote the Permit Number if you contact the Regulator about this permit. To give a notification, the Operator should telephone 01473 433039 or any other number notified in writing by the Regulator for that purpose.

*~ End of Introductory Note~*

**IPSWICH BOROUGH COUNCIL  
POLLUTION PREVENTION AND CONTROL  
ACT 1999 Environmental Permitting Regulations  
2010 (as amended)**

Permit ref. no: EP36/3

**Name and address of person (A) authorised to operate the installation ('the operator')**

Euromix Concrete Limited

**Registered number and office of company**

Euromix Concrete Limited, Unit 1 Boreham Industrial Estate, Waltham Road, Boreham, Chelmsford, Essex, CM3 3AW

**Address of permitted installation (B)**

Euromix Concrete Limited, 2 Arkwright Road, Hadleigh Road Industrial Estate, Ipswich, IP2 0UB

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

**Activity description**

The process is carried out at the Euromix Concrete Limited premises at 2 Arkwright Road, Hadleigh Road Industrial Estate, Ipswich, Suffolk, IP2 0UB. The process involves the blending of coarse aggregate, fine aggregate and cementitious material with water in order to manufacture ready mixed concrete. This involves the delivery, storage, transfer, mixing and loading of aggregates and cementitious material on site.

*Ready Mixed Concrete*

Concrete is manufactured by mixing, in carefully controlled proportions, Portland cement or a mixture of cementitious material in powder form, together with coarse and fine aggregates (gravel, crushed stone or sand), and water.

*Bulk Powdered Material Transfer*

Cement and other powdered cementitious materials are delivered by road in bulk tankers. The powdered materials are transferred through a closed system of heavy duty hoses to storage two silos, using compressed air as a carrier medium. Silos are vented to allow air to escape through filters. There are six Thermal Bonded Polyester filters in each silo in a galvanised box. The clean air emissions that these filter units achieve are approximately 10mg/m<sup>3</sup> [info from supplier].

The attached plans 3.1/SR/01/06/site plans 1(a) and 1(b) show the plant layout.

The attached plan 3.1/SR/01/06/site plan 2 shows the site boundary.

The operator (A) is authorised to operate a blending, packing, loading, unloading and use of cement activity at the installation (B) subject to the following conditions.

### **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.

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. They shall activate when emissions reach 75% of the relevant emission limit in Table 1 and record each activation.

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.\*

#### **Silos**

4. Bulk cement shall only be stored within the bulk cement silos.
5. Dust emissions from loading or unloading road tankers shall be minimised by backventing 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 and bulk containers of dusty materials shall not be overfilled and there shall be an overfilling alarm.
7. When loading silos which were new after Jun 2004, deliveries must automatically stop where overfilling or over-pressurisation is identified.
8. Displaced air from pneumatic transfer shall pass through abatement plant prior to emission to air.

**Aggregates delivery and storage**

9. Dusty materials [including waste where applicable] shall only be stored in walled 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**

10. All dusty materials, including wastes, shall be conveyed using the conveyor, which shall have an adequate level of enclosure to prevent wind whipping. All transfer points shall be fitted with enclosures to minimise the generation of airborne dust.

**Loading, unloading and transport**

11. No potentially dusty materials (including wastes) or finished products shall arrive on or leave the site other than by use of [specify transport type and dust control technique].

**Roadways and transportation**

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

**Techniques to control fugitive emissions**

14. The fabric of process buildings shall be maintained dust tight and doors shall be maintained so as to minimise visible dust emissions.

**Records and training**

15. 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.\*
16. 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**

17. 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.

18. If the operator proposes to make a change in operation of the installation, he 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 functioning, or an extension, of the installation, which may have consequences for the environment.



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 1st July 2004)	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	
		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	*Isokinetic sampling	At least once to demonstrate compliance, then as necessary to provide a reference for the continuous indicative monitor.	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)	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	At least daily	Or
		All emissions to air (except steam and condensed water vapour)	No droplets, no persistent mist, no persistent fume.	Indicative monitoring	Continuous	
		Droplets, persistent mist and fume		Visual observations	*On start-up and on at least two more occasions during the	
		2				

Only emissions to atmosphere are required to comply with the emission limits within this table.

\*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.\*

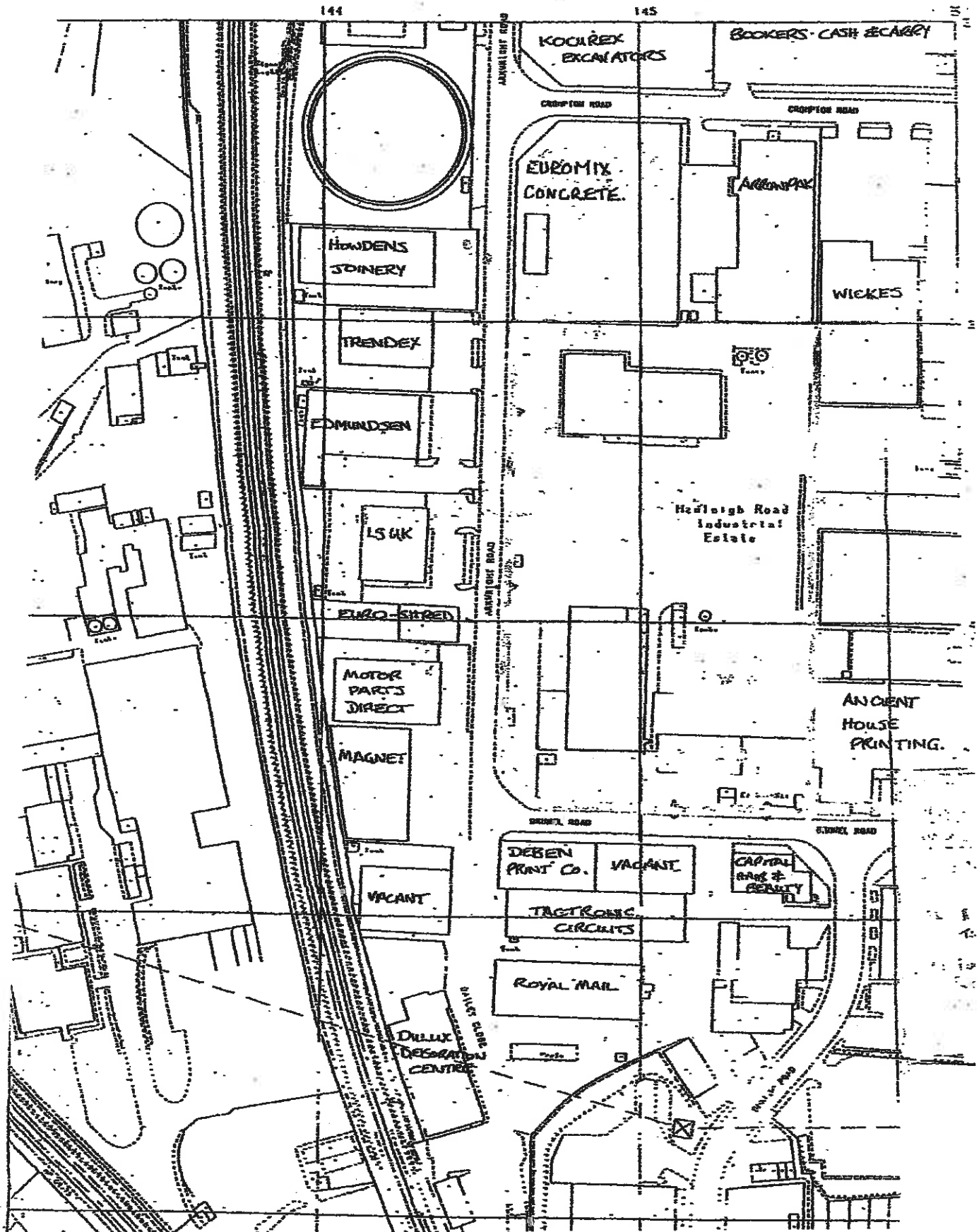
- a) The reference conditions for limits in Table 1 are: 273.1K, 101.3kPa, without correction for water vapour content, unless stated otherwise.
- b) All periodic monitoring shall be representative, and shall use standard methods.
- c) The emission limits do not apply during start-up and shut down. All emissions shall be kept to a minimum during these periods.



# FINANCE SURVEY

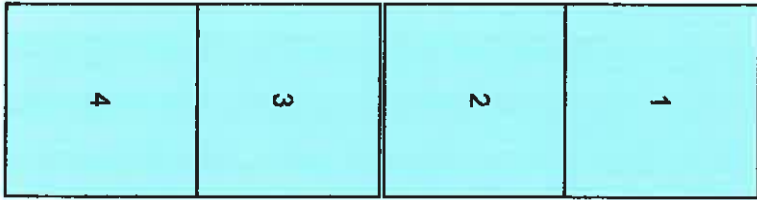
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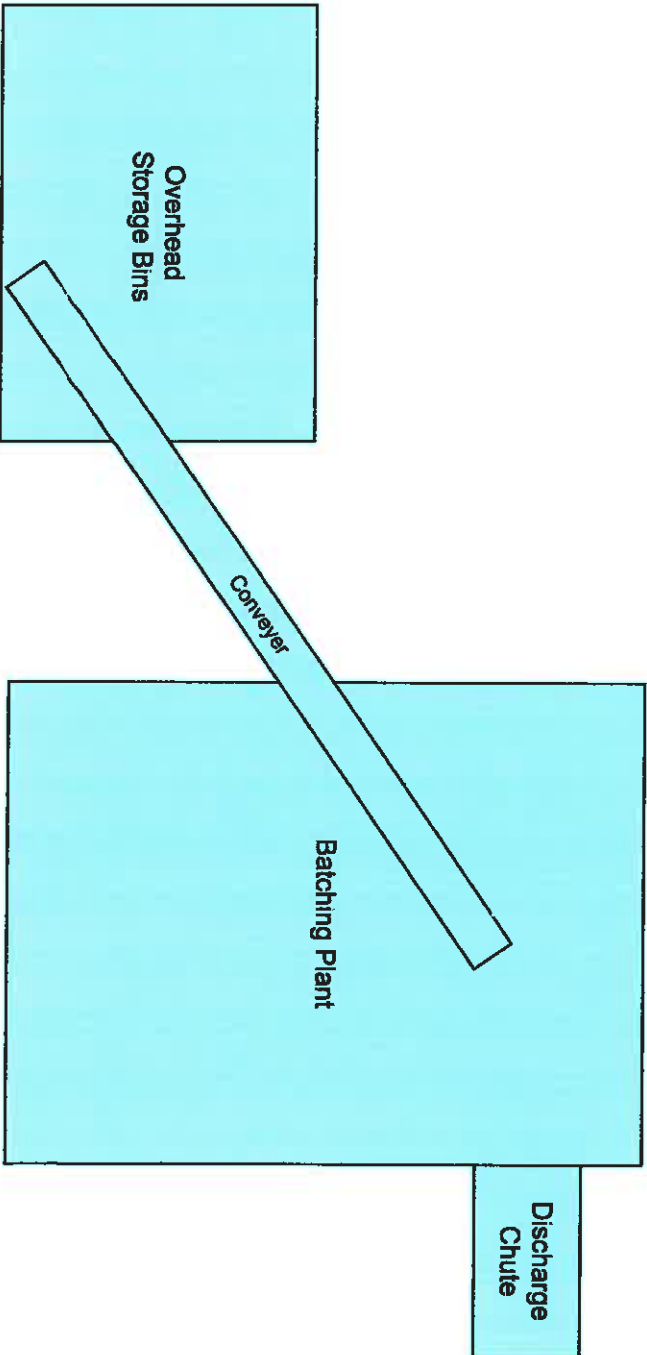
1 - 4 Ground  
Storage bays



# Euromix Concrete Limited

## Ipswich Aggregate Flow Chart

1. Coarse aggregates are transferred by loading shovel from ground storage bays to overhead bins
2. Coarse aggregate is fed on enclosed covered conveyor to batching plant
3. Coarse aggregate is added to cement and water into enclosed mixer, mixed and discharged into truck Mixer





# Euromix Concrete Limited Ipswich Cement Flow Chart

1. Cements are delivered by road tanker and discharged into cement silo via flexible hose.
2. Cement is transferred by enclosed screw to mixer plant when required.
3. Cement, coarse aggregates and water is then transferred into enclosed mixer, mixed and discharged into truck Mixer via discharge chute.

