



POLLUTION PREVENTION AND CONTROL ACT 1999

Environmental Permitting Regulations 2010 (as amended)

Environmental Permit

granted to (Operator):

Hanson Premix

Installation address:

**Dock Road Industrial Estate
Silvertown
London
E16 1AG**

Permit reference

LA-PPC- 158/13

Effective date

1st January 2014

Environmental Permit

Newham Council/the London Borough of Newham (the Regulator) in exercise of its powers under Regulation 13 of the **Environmental Permitting (England and Wales) Regulations 2010 as amended** hereby permits:

Hanson Quarry Products Europe Ltd
Hanson House
14 Castle Hill
Maidenhead
SL6 4JJ

To operate an installation
Company registration number: **00300002**

to operate an installation at:

Hanson Premix (the operator)
Dock Road
Silvertown
London
E16 1AG

To the extent authorised by and subject to the conditions of this Permit and operated within the boundary outlined on the plans in Schedule 1&2.

signed

Mr J M Fail

Environment Directorate

Authorised to sign on behalf of Newham Council/the London Borough of Newham

Description of permitted activities and the installation

Permit Conditions

Emissions and monitoring

1. No visible particulate matter shall be emitted beyond the installation boundary as indicated on Schedule 1 (Site Location Plan).

2. All other releases to air, other than condensed water vapour, should be free from persistent visible emissions.

3. The emission requirements and methods and frequency of monitoring set out in Table 1 shall be complied with. 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.

4. 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

5. Dust emissions from unloading of road tankers shall be minimised by venting to arrestment plant as indicated on site plan schedule 2 and back venting to a delivery tanker fitted with an on-board, truck mounted relief valve and filtration system. Venting air from the tanker at the end of a delivery will not take place through the silo. Transfer lines shall be connected 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. Loading of silos must automatically stop where overfilling or over-pressurisation of the silos is identified.

8. Displaced air from pneumatic transfer shall pass through abatement plant prior to emission to air.

9. All dusty or potentially dusty materials shall be stored in silos.

10. Displaced air from silos as indicated on site plan schedule 2

shall either be vented to bag filtration arrestment plant as sited and indicated on above plan. Arrestment plant fitted to silos shall be of sufficient size (and kept clean) to avoid pressurisation during delivery.

11. In order that fugitive emissions are minimised during the charging of silos, transfer lines should be securely connected to the silo delivery inlet point and the tanker discharge point, in that order. Tanker drivers shall be informed of the correct procedures to be followed.

12. Silos containing dry materials shall be equipped with audible and/ or visual high level alarms, or volume indicators, to warn of overfilling. The correct operation of such alarms shall be checked in accordance with manufacturers' instructions. If manufacturers instructions do not specify, then the check shall be weekly or before a delivery takes place, whichever is the longer interval.

13. If emissions of particulate matter are visible from ducting, pipework, 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.

14. Delivery of materials to silos shall be carried out at a rate so prevent pressurisation of the silo/s. 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.

15. All new 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. Stockpiles and ground storage

16. 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.

17. Immediately it appears that the 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 re-set and a replacement fitted if necessary. Tanker drivers shall be informed of the correct procedure to follow.

Siting of Stockpiles

18. Dusty materials (including dusty wastes) shall only be stored in storage bays in a location as detailed on the site plan schedule 2 as attached to this permit and shall

be subject to suppression and management techniques to minimise dust emissions such as covering the bunds.

19. Stockpiles shall be sited as indicated on site plan schedule 2 and shall be based upon such factors as the prevailing winds, proximity of site boundary and proximity of neighbours. Minimisation of drop height is very important in stockpiling to reduce wind whipping of particulates. When designing storage bays, internal walls separating storage bays should be at least ½ metre lower than external walls of the bays

20. Aggregate stockpiles shall be located within storage bays. Aggregate shall not be piled higher than the separation walls of the bays and shall not be forward of the bays. To control dust emissions from stockpiles, storage bays should be used. Stock should not be piled higher than the external walls of the bay and should not be forward of the bay. If necessary, covers or dust suppressants should be used.

21. Storage areas where there is vehicular movement shall have a consolidated surface which should be kept in good repair.

Abnormal emissions

22. In the case of abnormal emissions, malfunction or breakdown leading to abnormal emissions the operator should:

- Investigate and take remedial action immediately
- Adjust the process or activity to minimise those emissions; and
- Promptly record the events and actions taken

23. The regulator shall be informed without delay, whether or not there is related monitoring showing an adverse result

24. If there is an emission that is likely to have an effect on the local community; **or**

In the event of the failure of a key arrestment plant such as bag filtration plant

The operator shall provide a list of key arrestment plant; shall have a written procedure for dealing with its failure, in order to minimise any adverse effects

.Belt conveying

25. All dusty materials, including wastes, shall be conveyed using conveyor belt system as indicated on site plan schedule 2. All transfer points shall be enclosed in a manner to minimise the generation of airborne dust.

26. Conveyors shall be fitted with effective means for keeping the

return belt clean and for collecting materials removed by this cleaning operation.

27. Conveyor belts shall not be overloaded.

28. Where the free fall of material gives rise to external dust emissions, techniques should be used at the point of discharge to minimise this. Planned preventative maintenance schedules should include conveyor systems.

Loading, unloading and transport

29. All Vehicles transporting bulk concrete out of the site shall be fitted with hydraulic flaps by no later than June 2014 which shall be employed when transporting bulk concrete.

Roadways and transportation

30. 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.

31. Vehicles shall not track material from the site onto the highway.

Techniques to control fugitive emissions

32. The fabric of process buildings shall be maintained dust tight and doors shall be kept closed when not in use and be maintained so as to prevent visible dust emissions.

33. All process buildings shall be cleaned regularly, according to a written maintenance programme, to minimise fugitive emissions.

34. All new buildings housing processing machinery should be externally clad with materials that can be readily cleaned.

35. Dusty materials for disposal should be stored in closed containers.

36. The method of collection of product or rejected materials from dry arrestment plant should be such that dust emissions are minimised.

37. A high standard of housekeeping should be maintained.

38. All spillages that give rise to dust emissions shall be cleaned up promptly, normally by wet handling methods. Dry handling of dusty spillages should not be permitted other than in fully enclosed buildings. In the event of a major spillage it should be dealt with on the same day that it occurs, and measures to minimise emissions, such as wetting the surface to create a crust, should be taken immediately.

Records and training

39. Staff at all levels shall receive the necessary training and instruction in their duties relating to control of the process and emissions to air. In order to minimise risk of emissions, particular emphasis shall be given to control procedures during start-up, shut down and abnormal conditions. Training may often sensibly be addressed in the EMS referred to above. All staff whose functions could impact on air emissions from the activity should 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.

40. 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 should be made available to the regulator on request.

Best available techniques

41. 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.

42. 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 as indicated on site location plan (schedule 1) as attached, where harm or nuisance may be caused	Operational observations	At least Daily
		Silo inlets and outlets	No visible emission	Operator observations	At time of delivery
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					
<p>*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.*</p> <p>a) The reference conditions for limits in Table 1 are: 273.1K, 101.3kPa, without correction for water vapour content, unless stated otherwise.</p> <p>b) All periodic monitoring shall be representative, and shall use standard methods.</p> <p>c) The emission limits do not apply during start-up and shut down. All emissions shall be kept to a minimum during these periods.</p>					

General

Permit granted to: Hanson Premix

Hanson Premix is permitted to operate an installation prescribed under Regulation 13 and Schedule 1 and Part 2 (chapter 3) (Section 3.1) (Part B) (a)&(b) of the Environmental Permitting(England & Wales) Regulations 2010 as amended , which includes the blending, packing, and use of bulk cement for the manufacture of concrete at an Installation which comprises of:

- **Ground bins** holding sand and aggregate
- **Six aggregate storage bins**
- **Five storage silos** fitted with a reverse air jet filter devices, audible and visual high-level alarm and pressure release valves and auto shut off system
- **Six weigh hoppers** – measuring cement, water and additives, and self calibrating weigh belts for aggregates
- One delivery leg
- Associated conveyors

subject to compliance with the following conditions (which have been produced with reference to the Secretary of State's Process Guidance Note 3/01(12) *"Blending, Packing, Loading, Unloading and use of Bulk Cement"*, there is implied in this permit a condition that, in operating the installation, the operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation. BAT is taken in this instance to be that prescribed in the Secretary of States Guidance Note 3/01(12) Blending, Packing Loading, Unloading and Use of Bulk Cement and any amendment thereto;

All conditions in the permit must be complied with. Failure to comply with the conditions within the Permit means Newham Council may take enforcement action under regulations of EPR against the Operator. It should be noted that aspects of the operation of the installation that are not regulated by those conditions, are subject to the conditions implied in the Regulation 12(a) authorised by the environmental permit of the PPC Regulations. The operator shall use the Best Available Techniques (BAT) in accordance with Chapter 12 of General Guidance Manual on Policy and Procedure for A2 and B installations for preventing or, where that is not practical, reducing emissions from the installation and condition 41 of this permit. Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned. Effective control of emissions requires the maintenance and proper use of equipment, and the proper supervision of the process operations. Adequate preventative maintenance should be undertaken on all plant and the equipment concerned with the control of emissions to the air. Essential spares and consumables should be held or should be available at short notice from guaranteed local supplies. Staff at all levels should receive the necessary formal training and instructions in their duties relating to control of the process and emissions to air. Particular emphasis should be given to training for start-up, shut down and abnormal conditions. Good housekeeping should be practised at all times.

Relationship to other Legislation

This Permit relates to the control of air emissions from a prescribed activity from the named Installation. The Permit does not detract from any other statutory requirement, such as the need to obtain planning permission, hazardous substances consent, discharge consent from the Environment Agency, building regulations approval, or a waste disposal licence. In addition, it must not be taken to replace any responsibilities for health, safety and welfare in the workplace under workplace Health and Safety legislation.

Surrender and Revocation of the Permit

Where an operator intends to cease the operation of an Installation (in whole or part) Newham Council should be informed in writing. Such notifications must include the information specified in regulation 24(3) of the PPC Regulations. Newham Council will issue a revocation notice under regulation 22. The London Borough of Newham may also revoke the Permit if the operator contravenes relevant sections of the PPC Regulations.

Fees

In accordance with regulation 65 of the PPC Regulations, the holder of a Permit is required to pay a fee for the subsistence of the Permit. This fee is payable annually on 1 April and the operator will be sent an invoice for the amount accordingly; the amount payable is reviewed and published annually by central government. You are advised that under the provisions of regulation 22 of the PPC Regulations, if you fail to pay the fee promptly, Newham Council may revoke the Permit.

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 PPC Regulations. A transfer will be allowed unless Newham 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.

Environmental Permit explanatory note

This note does not form part of the permit conditions but is intended to provide general information about the regulations under which the permit has been issued

The installation shall, subject to the conditions of this Permit, be operated using the best available techniques, and in the manner described in the documentation submitted in the Permit application, or as otherwise agreed in writing by the Regulator in accordance with condition (41) of this Permit. The activities authorised by this Permit shall not extend beyond the installation boundary, that being the land shown as edged in red on the site plan included as Schedule 1 of this Permit, and described in the Permit application.

This Permit shall be subject to replacement, variation or amendment as may be considered appropriate by Newham Council, at any time, according to the provisions of Regulation 20 of the EP Regulations.

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. Failure to comply with these conditions means that Newham Council may take enforcement action against the Operator.

For an interpretation of 'Best Available Techniques' see the Defra Environmental Permitting General Guidance Manual on Policy and Procedures for A2 and B Installations, relevant sections of the relevant LA-PPC Process Guidance Note(s), 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.

Effective control of emissions requires the maintenance and proper use of equipment, and the proper supervision of the process operations. Adequate preventative maintenance should be undertaken on all plant and the equipment concerned with the control of emissions to air. Essential spares and consumables should be held or should be available at short notice from guaranteed local suppliers.

Staff at all levels should receive the necessary formal training and instructions in their duties relating to control of the process and emissions to air. Particular emphasis should be given to control procedures and training for start-up, shut down and abnormal conditions. Good housekeeping should be practised at all times. The general 'Best Available Techniques', condition (41), is regarded as covering, among any other matters, the provision of sufficient training and practical instruction for service station operation staff, in order to enable them to carry out their duties in respect of using (or supervising the use of) and maintaining vapour collection controls, and the actions to be taken in the event of leak of vapour.

Environmental Management System (EMS)

An appropriate environmental management system (EMS) is recommended. This is an important component of BAT and of achieving compliance with the conditions in this permit. The EMS requires a commitment to establishing objectives, setting targets, measuring progress and revising the objectives according to results. This includes managing risks under normal operating conditions and in accidents and emergencies. This can take the form of adopting published standards (ISO 14001 or the EU Eco Management and Audit Scheme [EMAS]) or by setting up a system tailored to the nature and size of the specific process.

Relationship to other Legislation

This Permit relates to the control of air emissions from a prescribed activity from the named Installation. The Permit does not detract from any other statutory requirement, such as the need to obtain planning permission, hazardous substances consent, discharge consent from the Environment Agency, building regulations approval, or a waste disposal licence. In addition, it must not be taken to replace any responsibilities for health, safety and welfare in the workplace under workplace Health and Safety legislation.

Commercial Confidentiality and the Public Register

The Permit requires the Operator to provide certain information to Newham Council, and in addition, Newham Council has the power to seek further information at any time under the EP Regulations provided that the request is reasonable. In accordance with the EP Regulations, the Council will place certain information (including the Permit) onto a public register. 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

Should the Operator want any of the conditions of the Permit to be changed, to reflect any changes in the activity regulated by the Permit, a formal application must be submitted to Newham Council. A formal application form is located in General Guidance Manual (Application forms) Part B Variation Forms and may be accessed referring to the following link. <http://www.defra.gov.uk/industrial-emissions/las-regulations/guidance/>

In this regard please contact the Pollution Control Unit of Newham Council. Following an evaluation of the application, Newham Council will then vary the Permit, by serving a variation notice on the Operator or issuing a new permit if that is more appropriate.

Advice on notifying Newham Council on activity changes, which may either be relevant or substantial, can be found in Regulation 20 of the Environmental Permitting Regulations and in the General Guidance Manual. Operators will be liable to enforcement action if they make a change without approval that means either the activity (as changed) is no longer the activity which is permitted, or a condition of the Permit is not being complied with as a result of the change being made. Variations can be documented in the table given at the end of this introductory note.

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 and Rural Affairs. The address is as follows:

Environment Appeals Team, The Planning Inspectorate,
Room 4/04 Kite Wing, Temple Key House, 2 The Square, Temple Key, Bristol BS1 6PN
Tel: 0117 372 8726/8939 environment.appeals@pins.gov.uk

An appeal brought under Regulation 31 paragraph (1) (c) or (d) in relation to the conditions in a Permit will not suspend the effect of the conditions appealed against; the conditions must still be complied with. Appeals must be received by the Secretary of State with the documentation and within the time limit specified in Schedule 6 of the EP Regulations.

In determining an appeal against one or more conditions, the Regulations allow the Secretary of State to quash any other conditions not subject to the appeal and to direct Newham Council either to vary any of these other conditions or to add new conditions.

Surrender and Revocation of the Permit

Where an Operator intends to cease the operation of an Installation (in whole or part) Newham Council should be informed in writing. The operator should fill in an Application to Surrender a Permit form. Notifications must include the information specified in the EP Regulations. Newham Council may then issue a revocation notice or accept the application to surrender the permit. The London Borough of Newham may also revoke the Permit if the operator contravenes relevant sections of the EP Regulations.

Fees

In accordance with 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 the 1st of April and the operator will be sent an invoice for the amount accordingly; the amount payable is reviewed and published annually by central Government. You are advised that under the EP Regulations, if you fail to pay the fee promptly, Newham Council may revoke the Permit.

Transfer of the Permit or part of the Permit

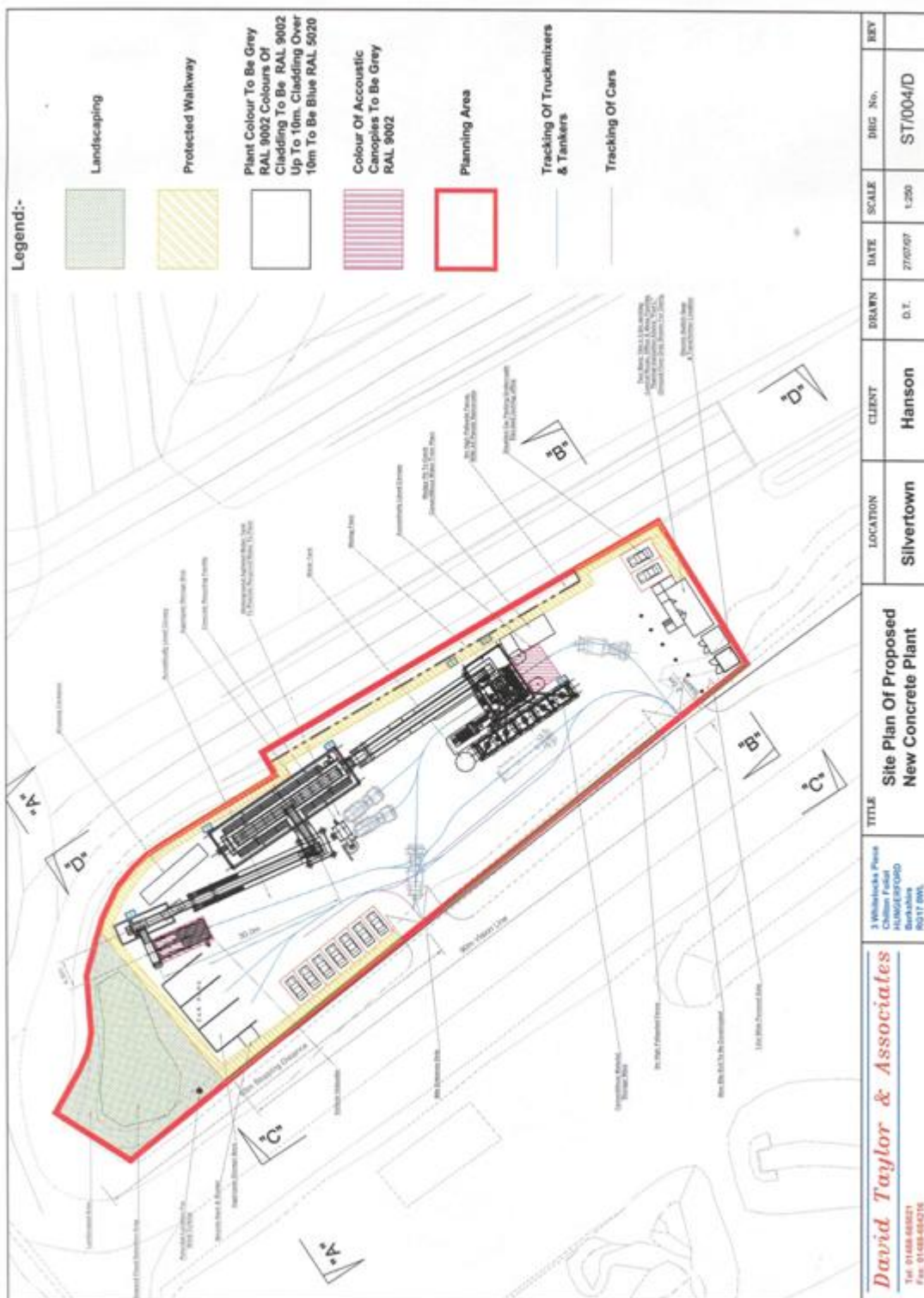
Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed Operators. A transfer will not be approved if Newham Council is not satisfied that the proposed Permit holder will be the person having control over the operation of the installation, or will 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 EP Regulations.

Summary of Terms (see Regulations 2, 3, 5 to 9: Interpretation, for more detail and terms)	
Application	the application for this Permit, together with any response to a notice served under Paragraph 4 of Schedule 5 to the EP Regulations and any operational change agreed under the conditions of this Permit.
Activity	an activity listed in Part 2 of Schedule 1 of the EP Regulations (subject to Part 1 of Schedule 1).
Conditions	the components of the permit that the operator must comply with.
EP Regulations	Environmental Permitting (England and Wales) Regulations 2010, as amended
Installation	(a) a stationary technical unit where one or more are carried on, and (b) any other location on the same site where any other directly associated activities are carried on
Permitted installation	the activities and the limits to those activities described in this Permit.
Substantial Change	a change in operation which, in the opinion of Newham Council, may have significant negative effects on human beings or the environment.
Documents Newham Council may issue under the EP Regulations	
Enforcement Notice	Under Regulation 36, if an operator has contravened, is contravening or is likely to contravene any condition of his Permit, Newham Council may serve upon the operator an 'Enforcement Notice'.
Information Notice	A notice served by Newham Council under Regulation 60 requiring specified information to be provided within a specified time period.
Permit	Granted under Regulation 13, the permit allows the named operator to operate an installation carrying out one or more specified activities
Revocation Notice	A notice served by Newham Council under Regulation 22 revoking all or part of a permit.
Suspension Notice	A notice served by Newham Council under Regulation 37 which results in a permit ceasing to authorise the operation of the entire installation or specified activities, until remedial action has been taken against an imminent risk of pollution, or any outstanding charge is paid (whichever is appropriate to the reason for the notice being served).
Variation Notice	A notice served by Newham Council under Regulation 20 varying the conditions or other provisions of the permit.

Schedule 1 – Site Location Plan



Schedule 2 SITE PLAN



The above plant is authorised to be operated subject to conditions regulated under the Environmental Permitting (England and Wales) Regulations (2010), as amended by Permit Ref: LA-PPC LA-PPC-130/13 , by The London Borough of Newham, Pollution Control, Private Housing & Environmental Health, Newham Dockside, Dockside Road, London, E16 2QU. Tel: 020 337 30643, email: pollution.inquiry@newham.gov.uk.

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With regard to any aspect associated with the Environmental Permit, please contact Newham Council's Pollution Control Unit on:	
Pollution Control Private Housing & Environmental Health Newham Dockside Dockside Road London E16 2QU	Pollution Control Team Tel: 020 3373 36654 pollution.inquiry@newham.gov.uk

Description of the Installation regulated by the Permit

Superseded Authorisations relating to the Installation		
Holder	Reference Number	Date of Issue
Hanson Premix	LA-PPC-090/07	4 th Jan 2008

Documents issued in relation to the Permit.

EP documentation issued relating to the attached Permit		
Reason	Reference Number	Date of Issue
Change of permit conditions as directed by the Statutory Process Guidance Note 3/01(12) General Guidance Manual (DEFRA, revised April 2012)	PPC-VAR- 03/13	6 th December 2013

End of Explanatory Note and Permit

