

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“Annex I” means Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Annex II” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“authorised officer” means any person authorised by the Environment Agency 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(4) of that Act.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“groundwater protection zones 1 and 2” have the meaning given in the document titled “Groundwater Protection: Policy and Practice” published by the Environment Agency in 2006.

“hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“nearest sensitive receptors” means the nearest place to the composting operations where people are likely to be for prolonged or frequent periods. This term would therefore apply to dwellings (including any associated gardens) and to workplaces where workers would frequently be present. It does not apply to the operators of composting facilities or their staff while carrying out the composting operation as their health is covered by Health and Safety legislation.

“ozone-depleting substances” “ODS” means “controlled substances” contained in refrigeration, air-conditioning and heat pump equipment, equipment containing solvents, fire protection systems and fire extinguishers.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

“year” means calendar year ending 31 December.

Schedule 7 - Site plan



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END OF PERMIT



**ENVIRONMENT
AGENCY**

Standard Permit for the Landfill Sector

Permit with introductory note

Pollution Prevention and Control Regulations 2000
Landfill Regulations 2002

Lafarge Aggregates Limited
Tyttenhanger Landfill
Coursers Road
London Colney
Hertfordshire

Permit number

BX3368PN

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Introductory note

This introductory note does not form a part of the Permit

The following Permit is issued under Regulation 6 of the Landfill (England and Wales) Regulations 2002 (S.I.2002 No.1559) ("the Landfill Regulations") and Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No.1973), as amended, ("the PPC Regulations") to operate an installation carrying out activities covered by the description in Section 5.2 A(1)(b) in Part 1 to Schedule 1 of the PPC Regulations, to the extent authorised by the Permit: i.e.

- b) The disposal of waste in any other landfill to which the Landfill Regulations apply.

There may be some activities on the installation to which BAT applies because they are not Landfill activities. Therefore, in some sections of the Permit conditions require the Operator to use Best Available Techniques (BAT), in each of the aspects of the management of the installation, to prevent and where that is not practicable to reduce emissions. The conditions do not explain what is BAT. In determining BAT, the Operator should pay particular attention to the appropriate Horizontal guidance (H1 to H4) and other relevant guidance.

A non-technical description of the installation is given in the Application, but the main features of the installation are as follows

The landfill site is a new installation, which will be classified as an inert site, occupying the void from sand and gravel extraction. There is not a waste management licence for the installation, but the applicant has confirmed that planning permission has been granted.

The installation as shown on drawing number LAF/TT/09-03/11047, entitled 'The site location', is located approximately 5km south east of the centre of St Albans. The installation is a new site and only one directly associated activities, the transfer of water extracted from the void to the adjacent mineral workings. When the installation becomes operational it will only accept inert materials as defined within Regulatory Guidance Note 2 (RGN2) and those wastes described as inert in the Landfill Directive, with a total quantity of approximately 3.6 millions tonnes. The permit condition 2.1.4 restricts the waste input to no more than 600,000 tonnes per year.

The geology of the site comprises of two sand and gravel units, separated by a grey sandy boulder clay. Soil and clay overlie the upper sand and gravel. The lower sand and gravel is underlain directly by the Cretaceous Upper Chalk, causing hydraulically continuity between the two. Natural groundwater levels are above the quarried base of the site, with the groundwater in the upper sand and gravel flowing west and north in the chalk and lower sand and gravel. The Cretaceous Upper Chalk is classified as a major aquifer and part of the installation is located within the special interest area of a groundwater source protection zone.

Groundwater levels are to be depressed below the base of the void to enable the landfilling of waste. An engineered geological barrier is to be provided where the natural geological barrier is found not to be adequate to comply with the requirements of the regulations..

Note that the Permit requires the submission of certain information to the Agency (see Sections 4 and 5). In addition, the Agency has the power to seek further information at any time under regulation 28 to the PPC Regulations provided that it acts reasonably.

Other PPC Permits relating to this installation		
Permit holder	Permit Number	Date of Issue
N/A	-	-

Other existing Licences/Authorisations/Registrations relating to this installation		
Holder	Reference Number	Date of issue
Lafarge Aggregates Limited	N/WR0235	27/09/2001

Superseded Licences/Authorisations/Consents relating to this installation		
Holder	Reference Number	Date of issue
N/A	-	-

Other activities may take place on the site of this installation which are not regulated under this Permit or any other PPC Permit referred to in the Table above.

Public Registers

Considerable information relating to Permits including the Application is available on public registers in accordance with the requirements of the PPC Regulations. Certain information may be withheld from public registers where it is commercially confidential or contrary to national security.

Variations to the Permit

This Permit may be varied in the future (by the Agency serving a Variation Notice on the Operator). If the Operator itself wants any of the Conditions of the Permit to be changed, it must submit a formal Application. The Status Log within the Introductory Note to any such Variation Notice 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.

Surrender of the Permit

Before this Permit can be wholly or partially surrendered, an Application to surrender the Permit has to be made by the Operator. For the application to be successful, the Operator must be able to demonstrate to the Agency that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the Permit or part of the Permit

Before the Permit can be wholly or partially transferred to another person, an Application to transfer the Permit has to be made jointly by the existing and proposed holders. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not comply with the conditions of the transferred Permit. As the Permit authorises the carrying out of a specified waste management activity, the transfer will only be allowed if the proposed holder is also considered to be "a fit and proper person" as required by the PPC Regulations.

Talking to us

Please quote the Permit Number if you contact the Agency about this Permit.

To give a Notification under condition 5.1.1, the Operator should use the Incident Hotline telephone number (0800 80 70 60) or any other number notified in writing to the Operator by the Agency for that purpose.

Status Log

Detail	Date	Comment
Application BX3368PN	Received 28/07/2004	
Response to request for information	Request dated 11/11/2004	Response dated 22/11/2004
Request to extend determination	Request dated 16/02/2005	Request accepted 01/03/2005
Request to include geological barrier	Request of 09/05/05	Incorporated in condition 1.6.1
Revision to Waste Acceptance Criteria and Procedures	Received 10/06/05	
Permit determined	Issued 26/8/05	

End of introductory Note.

Permit

Pollution Prevention and Control
Regulations 2000
Landfill Regulations 2002



**ENVIRONMENT
AGENCY**

Permit

Permit number

BX3368PN

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973), and Regulation 6 of the Landfill (England and Wales) Regulations 2002 (S.I.2002 No.1559) hereby authorises

Lafarge Aggregates Limited ("the Operator"),

of/ whose Registered Office is

The Old Rectory

Misterton

Lutterworth

Leicestershire

LE17 4JP

Company registration number 297905

to operate an installation at

Tythenhanger Landfill

Coursers Road

London Colney

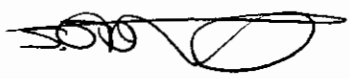
Hertfordshire

to the extent authorised by and subject to the conditions of this Permit.

The landfill authorised by this Permit is for the disposal of inert waste

Signed

Date

	26 th August 2005
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S.M. Storey

Authorised to sign on behalf of the Agency

Conditions

1 General

1.1 Permitted Activities

- 1.1.1 The Operator is authorised to carry out the activities and the associated activities specified in Table 1.1.1.

Table 1.1.1

Activity listed in Schedule 1 of the PPC Regulations / Associated Activity	Description of specified activity	Limits of specified activity
Section 5.2Part A (1)(b)The disposal of waste in a landfill.	Landfill for inert waste (landfill classification under the Landfill Regulations 2002)	Receipt, handling, storage and disposal of inert wastes, consisting of the types and quantities specified in condition 2.1.2.1, as an integral part of landfilling.
Non-listed Associated Activity	Discharge of site surface water from the landfill.	Surface water discharged from the installation via pipeline to the former Tyttenhanger Quarry mineral processing works.

- 1.1.2 Where waste on site is subjected to activities that are exempt from control under the Waste Management Licensing Regulations 1994, then the wastes controlled under condition 1.1.1, above, shall be clearly identified and kept separate from such exempt waste activities and a record shall be kept of where such exempt activities are conducted.

1.2 Site

- 1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the land shown edged in red on the Site Plan at Schedule 5 to this Permit.

1.3 Overarching Management Condition

- 1.3.1 Without prejudice to the other conditions of this Permit, the Operator shall implement and maintain a management system, organisational structure and allocate resources that are sufficient to achieve compliance with the limits and conditions of this Permit.

1.4 Improvement Programme

- 1.4.1 The Operator shall complete the improvements specified in Table 1.4.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the Agency within 14 days of the completion of each such requirement.

Table 1.4.1: Improvement programme requirements

Reference	Requirement	Date
1a	The Operator shall provide a waste quarantine area, which shall be designed and maintained in a manner to prevent the release of unauthorised substances to groundwater.	Prior to the acceptance of waste

Table 1.4.1 (continued): Improvement programme requirements

Reference	Requirement	Date
1b	A report detailing the documentation to record the construction and installation of the waste quarantine area required by improvement condition 1a shall be submitted to the Agency in writing.	No less than one month prior to the installation of the waste quarantine area required by improvement condition 1a.
1c	Following submission of the report required by improvement condition 1b, the Operator shall undertake any measures approved in writing by the Agency.	To the timescales indicated in the approval.
2a	The operator shall submit a revised groundwater monitoring plan to the Agency. The plan shall include, in addition to that previously submitted, but need not be restricted to, the following details; • The location of the monitoring points based on knowledge of the hydraulic gradients at the site; and • the method of collection and analysis of groundwater samples; and • the method of quality checking the samples; and • the list of additional determinands that will be analysed for; and • trigger and/or control levels for those additional determinands based on background water quality and legislative regulatory standards.	Within two months of issue of the permit.
2b	Upon agreement with the Agency of the monitoring plan submitted under improvement condition 2a, the monitoring plan shall be implemented.	To the timescales indicated in the approval.
3a	The Operator shall submit a surface water monitoring plan to the Agency. The plan shall include, but need not be restricted to, the following details; • The location of the monitoring points based on the knowledge of the flows in the water courses/bodies surrounding the site; and • the method of collection and analysis of surface water samples, and • the method of quality checking the samples; and • the list of determinands that will be analysed for; and • control levels and emission standards based on background water quality and legislative regulatory standards.	Within two months of issue of the permit.
3b	Upon agreement with the Agency of the monitoring plan submitted under improvement condition 3a, the monitoring plan shall be implemented.	To the timescales indicated in the approval.
4a	The Operator shall submit a revised landfill gas monitoring plan to the Agency. The plan shall include, but need not be restricted to, the following details; • The location, number and construction of permanent monitoring points that are to be installed in areas of the landfill where the spike bar survey would not be appropriate based on the depth of the waste; and • the method of collection and analysis of landfill gas samples, and • the method of quality checking the samples; and • the list of determinands that will be analysed for.	Within 6 months of completion of each phase
4b	Upon agreement with the Agency of the monitoring plan submitted under improvement condition 4a, the monitoring plan shall be implemented.	To the timescales indicated in the approval.

Table 1.4.1 (continued): Improvement programme requirements		
Reference	Requirement	Date
5	The operator shall establish and operate an environmental management system which is either accredited, or to a standard capable of being accredited to a recognised environmental management system standard.	Within 2 months of issue of the permit.

- 1.4.2 Where the Operator fails to comply with any requirement by the date specified in Table 1.4.1 it shall send written notification of such failure to the Agency within 14 days of such date.

1.5 Minor Operational Changes

- 1.5.1 The Operator shall seek the Agency's written agreement to any minor operational changes under condition 2.1.1 of this Permit by sending to the Agency: written notice of the details of the proposed change including an assessment of its possible effects (including waste production) on risks to the environment from the Permitted Installation; any relevant supporting assessments and drawings; and the proposed implementation date.
- 1.5.2 Any such change shall not be implemented until agreed in writing by the Agency. As from the agreed implementation date, the Operator shall operate the Permitted Installation in accordance with that change, and relevant provisions in the Application shall be deemed to be amended.
- 1.5.3 When the qualification "unless otherwise agreed in writing" is used elsewhere in this Permit, the Operator shall seek such agreement by sending to the Agency written notice of the details of the proposed method(s) or techniques.
- 1.5.4 Any such method(s) or techniques shall not be implemented until agreed in writing by the Agency. As from the agreed implementation date, the Operator shall operate the Permitted Installation using that method or technique, and relevant provisions in the Application shall be deemed to be amended.

1.6 Pre-Operational Conditions

- 1.6.1 No disposal of wastes shall take place in any part of the Permitted Installation where waste deposits commences after the issue of this Permit unless:
- 1.6.1.1 At least 4 weeks prior to the commencement of construction of that part the operator has submitted to the Agency in writing the detailed design, material specifications and the construction quality assurance (CQA) programme for the pre-operational engineering of the artificially established geological barrier for that part and that it has been confirmed in writing by the Agency that these are in conformance with the following specifications. The artificially established barrier shall be constructed to achieve an appropriate travel time based on a minimum thickness of 1m with the material placed at a maximum permeability of $1 \times 10^{-7} \text{ m.s}^{-1}$, or equivalent hydraulic performance standard. The thickness of the barrier shall at no time be less than 500mm. The material used to construct the barrier shall not contain any substance at a concentration that would result in a discharge to groundwater of a List I substance at a discernible concentration, or a discharge of a List II substance that would result in pollution of groundwater; and
- 1.6.1.2 the operator has notified the Agency in writing of any changes in the detailed design, material specifications and the CQA programme that are to be made during the construction, and in advance of those changed being made the Agency has agreed in writing that these are acceptable in relation to the relevant specification set out in condition 1.6.1.1; and
- 1.6.1.3 the pre-operational engineering and infrastructure of that part of the barrier has been completed and validated in accordance with the documented CQA procedures, and

- 1.6.1.4 the operator has submitted the validation report in writing to the Agency; and
- 1.6.1.5 the Agency has inspected the area to ensure that it complies with the relevant conditions of the landfill permit, and has confirmed in writing that it has no objection to that area becoming operational.
- 1.6.2 The Operator shall provide a report to the Agency detailing trigger and control levels for groundwater before landfill commences. These values shall be based on the background groundwater quality characterisation established under Part B2.2.39 of the Application, and shall include both the variability and trends for these parameters. The values shall be submitted to and agreed by the Agency before landfilling commences.

1.7 Off-site Conditions

- 1.7.1 There are no off-site conditions

2 Operating conditions

2.1 Landfilling Controls

- 2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency in accordance with conditions 1.5.1 and 1.5.2 of this Permit.

Table 2.1.1: Operating techniques

Description	Parts	Date Received
Application	The response to questions 2.1, 2.2, 2.3, 2.4, 2.5, 2.9 and 2.11 in part B of the Application Form	28 July 2004
Appendix M	All parts	10 June 2005

- 2.1.2 Wastes shall only be accepted for disposal on the site if :

- 2.1.2.1 they are as specified in table 2.1.2 below:

Table 2.1.2 : Wastes accepted for disposal	
Waste Category or Type	Permitted or not Permitted
Hazardous	Not Permitted
Non-hazardous	Not Permitted
Inert	Permitted
Liquid wastes (including waste waters but excluding sludge).	Not permitted
Waste which in the conditions of landfill is explosive, corrosive, oxidising, highly flammable or flammable.	Not permitted
Hospital and other clinical infectious wastes from medical or veterinary establishments.	Not permitted
Chemical substances from research and development or teaching activities, for example laboratory residues, which are unidentified and/or which are new and whose effects on man and/or the environment are unknown.	Not permitted
Whole used tyres (other than tyres used as engineering materials, bicycle tyres and tyres with an outside diameter of more than 1400mm.	Not permitted
Shredded used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm.	Not permitted
Any waste which does not fulfil the relevant waste acceptance criteria.	Not permitted
Waste which has been diluted or mixed solely to meet the relevant waste acceptance criteria.	Not permitted
Wastes which have not been treated, except for: - inert wastes for which treatment is not technically feasible; or - it is waste other than inert waste and treatment would not reduce its quantity or the hazards which it poses to human health or the environment.	Not Permitted

and

- 2.1.2.2 they are in accordance with the waste quantities, as described in the application.
- 2.1.2.3 The Operator of the landfill shall visually inspect the waste at the entrance to the landfill and at the point of the deposit and shall satisfy himself that it conforms to the description provided in the documentation submitted by the holder.

- 2.1.2.4 The Operator shall ensure that if representative samples are taken for analysis, the operator shall retain the samples and results of any analysis for at least one month.
- 2.1.2.5 The Operator on accepting each delivery of waste shall provide a written receipt to the person delivering it.
- 2.1.3 The Operator shall ensure that the landfill is secured to prevent free access to the site and the gates of the landfill must be locked outside operating hours.
- 2.1.4 The total quantity of waste that shall be deposited in the landfill shall not exceed 3.6 million tonnes.
- 2.1.5 The quantity of waste that is deposited in the landfill in any year shall not exceed the limits in Table 2.1.3 below.

Table 2.1.3 Annual Waste Input Limits	
Category	Limit Tonnes/ Year
Hazardous Waste	Not permitted
Non-hazardous Waste	Not permitted
Stable, non-reactive hazardous waste	Not permitted
Inert Waste	600,000

- 2.1.6 The Operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, origin, date of delivery, the identity of the producer (or in the case of municipal waste, the collector) of any waste that is received for disposal or recovery at the Permitted Installation.
- 2.1.7 The Operator shall record the quantity of waste deposited within the landfill.

2.2 Emissions

2.2.1 Emissions to Air, (excluding Odour, Noise or Vibration) from Specified Points

- 2.2.1.1 Part 2.2.1 of this Permit shall not apply to releases of odour, noise or vibration.
- 2.2.1.2 There are no specific controls imposed upon emissions to air in this part of the Permit.
- 2.2.1.3 No condition applies.
- 2.2.1.4 No condition applies.

2.2.2 Emissions to water (other than groundwater), from specified points

- 2.2.2.1 2.2.2 of this Permit shall not apply to releases of odour, noise or vibration or to releases to groundwater.

Emissions to Water (other than to Sewer)

- 2.2.2.2 Conditions 2.2.2.3 - 6 shall not apply to emissions to sewer.
- 2.2.2.3 No emission from the Permitted Installation shall be made to water.
- 2.2.2.4 No condition applies.
- 2.2.2.5 No condition applies.
- 2.2.2.6 No condition applies.

Emissions to sewer

- 2.2.2.7 There are no specific controls imposed on emissions to sewer in this part of the Permit.
- 2.2.2.8 No condition applies.
- 2.2.2.9 No condition applies.
- 2.2.2.10 No condition applies.

2.2.3 Emissions to groundwater

- 2.2.3.1 No emission from the Permitted Installation shall give rise to the introduction into groundwater of any substance in List I (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)).
- 2.2.3.2 No emission from within the Permitted Installation shall give rise to the introduction into groundwater of any substance in List II (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)) so as to cause pollution (as defined in the Groundwater Regulations 1998 (S.I. 1998 No. 2746)).
- 2.2.3.3 For substances other than those in List I or II (as defined in the Groundwater Regulations 1998 (SI 1998 No.2746)), the Operator shall ensure that all appropriate measures are taken to prevent or where that is not practicable to reduce emissions to groundwater from the Permitted Installation provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.
- 2.2.3.4 The Operator shall carry out monitoring of the parameters listed in Table 2.2.10, at the specified monitoring points and at least at the frequencies specified in that Table.
- 2.2.3.5 The trigger levels for emissions into groundwater for the parameter(s) and monitoring point(s) set out in Table 2.2.10 shall not be exceeded.

Table 2.2.10: The trigger levels and monitoring for emissions into groundwater

Parameters	Monitoring Points with frequency of monitoring				
	BH1	BH5/01	BH6/01	BH7/01	BH17
	Annually				
Ammonical Nitrogen (mg.l-1)	0.3 or any other level determined under condition 1.6.3.				
Cadmium (µg.l-1)	0.1 or any other level determined under condition 1.6.3.				
Calcium (mg.l-1)	250 or any other level determined under condition 1.6.3.				
Chloride(mg.l-1)	250 or any other level determined under condition 1.6.3.				
Chromium (µg.l-1)	50 or any other level determined under condition 1.6.3.				
Iron (mg.l-1)	0.2 or any other level determined under condition 1.6.3.				
Lead (mg.l-1)	10 or any other level determined under condition 1.6.3.				
Magnesium (mg.l-1)	50 or any other level determined under condition 1.6.3.				
Manganese (µg.l-1)	50 or any other level determined under condition 1.6.3.				
Nickel (µg.l-1)	20 or any other level determined under condition 1.6.3.				
Potassium (mg.l-1)	12 or any other level determined under condition 1.6.3.				
Sulphate (mg.l-1)	250 or any other level determined under condition 1.6.3.				
Any other substances as determined as an priority contaminant under improvement condition 2a	Any level determined under improvement condition 2a.				

2.2.3.6 Subject to the terms of this condition, the activities of disposal, or tipping for the purpose of disposal, of waste, that are authorised by this landfill permit shall cease 3½ years from date of issue of this Permit, unless by that date the operator has submitted to the Agency a written review of the Hydrogeological Risk Assessment submitted as part of the original Application for the permit.

The Risk Assessment review shall include a review of the responses in Section B1.4.1 of Part B of that original application. The written review shall show whether at the specified date, the level of risk to groundwater meets the terms of the Groundwater Regulations 1998.

Within six months of receipt of the written review the Agency shall reply in writing to the operator either confirming that the above requirements have been met and authorising continuation of disposal activities or that activities of disposal or tipping for the purpose of disposal of waste authorised by this permit shall cease until the operator can show that, the level of risk to groundwater meets the terms of the Groundwater Regulations 1998.

In the event that the continuation of activities is authorised in accordance with this condition beyond 4 years following the date of granting of this Permit, they shall cease on every fourth anniversary thereafter, unless, by each of those dates, the operator has submitted to the Agency a further written review of the Hydrogeological Risk Assessment which shows that, at the specified dates, the level of risk to groundwater meets the terms of the Groundwater Regulations.

The reviews submitted to the Agency shall include the results of any investigations and reviews carried out, and, in particular, reviews of the following aspects of the Hydrogeological Risk Assessment:

Recommendations of the essential technical precautions which must be taken, paying particular attention to the nature and concentration of the substances present in the matter being disposed of or tipped, the characteristics of the receiving environment and the proximity of the water catchment areas, in particular those for drinking, thermal and mineral water;

Recommendations of the technical precautions necessary:

- i In the case where groundwater is considered to be permanently unsuitable for other uses, to ensure that no substance in list I can reach other aquatic ecosystems or harm other ecosystems, to ensure that the presence of any list I substance once discharged into the groundwater will not impede exploitation of ground resources and to prevent pollution of groundwater by list II substances; and

- ii in the case where groundwater is not considered to be permanently unsuitable for other uses, to prevent any discharges into groundwater of substances in list I and to prevent any pollution of groundwater by substances in list II.

2.2.4 Fugitive emissions of substances to air

2.2.4.1 The Operator shall ensure that all appropriate measures are taken to prevent or where that is not practicable to reduce fugitive emissions of substances to air from the Permitted Installation in particular from:

- open surfaces, unfilled, operational and filled landfill surfaces
- storage areas
- buildings
- pipes, valves and other transfer systems

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.4.2 The Operator shall use all appropriate measures so as to prevent or where that is not practicable to reduce emissions of litter and dust from the Permitted Installation provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.5 Fugitive emissions of substances to water and sewer

2.2.5.1 Subject to condition 2.2.5.2 below, the Operator shall ensure that all appropriate measures are taken to prevent or where that is not practicable to reduce fugitive emissions of substances to water (other than Groundwater) and sewer from the Permitted Installation in particular from:

- all structures under or over ground
- surfacing
- bunding
- storage areas

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.5.2 There shall be no release to water that would cause a breach of an EQS established by the UK Government to implement the Dangerous Substances Directive 76/464/EEC.

2.2.6 Odour

2.2.6.1 The Operator shall ensure that all appropriate measures are taken to prevent or where that is not practicable to reduce odorous emissions from the Permitted Installation, in particular by:

- controlling operational activities to minimise the generation of odour
- limiting the use of odorous materials
- restricting odorous activities
- controlling the storage conditions of odorous materials
- optimising the performance of abatement systems
- timely monitoring, inspection and maintenance
- employing, where appropriate, an approved odour management plan

provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.

2.2.7 Emissions to Land

2.2.7.1 Part 2.2.7 of this Permit shall not apply to emissions to groundwater.

2.2.7.2 2.2.7.2 There are no specific controls imposed on emissions to land in this part of the Permit.

2.3 Management and Fit and Proper Person

2.3.1 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.

Training

2.3.2 The Permitted Installation shall be supervised by staff who are suitably trained and fully conversant with the requirements of this Permit.

2.3.3 All staff shall be fully conversant with those aspects of the Permit conditions which are relevant to their duties and shall be provided with adequate professional technical development and training and written operating instructions to enable them to carry out their duties.

2.3.4 The Operator shall maintain a record of the skills and training requirements for all staff whose tasks in relation to the Permitted Installation may have an impact on the environment and shall keep records of all relevant training.

Maintenance

2.3.5 All plant and equipment used in operating the Permitted Installation, the failure of which could lead to an adverse impact on the environment, shall be maintained in good operating condition.

2.3.6 The Operator shall maintain a record of relevant plant and equipment covered by condition 2.3.5 and for such plant and equipment:

2.3.6.1 a written or electronic maintenance programme; and

2.3.6.2 records of its maintenance.

Incidents and Complaints

2.3.7 The Operator shall maintain and implement written procedures for:

2.3.7.1 taking prompt remedial action, investigating and reporting actual or potential non-compliance with operating procedures or emission limits and if such event occur;

2.3.7.2 investigating incidents, (including any malfunction, breakdown or failure of plant, equipment or techniques, down time, any short term and long term remedial measures and near misses) and prompt implementation of appropriate actions; and

2.3.7.3 ensuring that detailed records are made of all such actions and investigations.

2.3.8 The Operator shall record and investigate complaints concerning the Permitted Installation's effects or alleged effects on the environment. The record shall give the date and nature of complaint, time of complaint, name of complainant (if given), a summary of any investigation and the results of such investigation and any actions taken.

Fit and Proper Person

2.3.9 Where Regulation 4 of the Regulations applies to a relevant activity/associated activity carried on at the Permitted Installation, as authorised under condition 1.1.1:

2.3.9.1 Any changes in technically competent management and the name of any incoming person together with evidence that such person has the required technical competence shall be submitted to the Agency in writing within 5 working days of the change in management. Technically competent management and technical competence shall be as prescribed under Section 74 of the Environmental Protection Act 1990.

- 2.3.9.2 In the event of the Operator and/or any relevant person being convicted of any relevant offence and which is in addition to any already notified to the Agency, then full details shall be provided to the Agency within 14 days of conviction, whether or not the conviction is subsequently appealed. Such details shall include, in respect of each relevant person (as defined in section 74(7) of the Environmental Protection Act 1990 or any subsequent amendments to that section), the nature of the offence, the place and date of conviction, any sentence, and any fine or other penalty imposed; and
- 2.3.9.3 In the event that the Operator and/or any relevant person lodges an appeal against any such conviction, the Operator shall notify the Agency of this within 14 days of the lodging. The Operator shall notify the Agency of the results of that appeal, within 14 days of the appeal being decided; and
- 2.3.9.4 The financial provision for meeting the obligations under this Permit set out in the Agreement made between the Operator and the Agency dated 26th August 2005 shall be maintained by the Operator throughout the subsistence of this Permit and the Operator shall produce evidence of such provision whenever required by the Agency.
- 2.3.10 The Operator shall ensure that the charges it makes for the disposal of waste in the landfill covers all of the following
- a) the costs of setting up and operating the landfill;
 - b) the costs of the financial provision required by condition 2.3.9.4; and
 - c) the estimated costs for the closure and after-care of the landfill site for a period of at least 10 years from its closure.

2.4 Efficient use of raw materials

- 2.4.1 The Operator shall:
- 2.4.1.1 maintain the raw materials table or description submitted in response to Section 2.4 of the Application and in particular consider on a periodic basis whether there are suitable alternative materials to reduce environmental impact;
 - 2.4.1.2 carry out periodic waste minimisation audits and water use efficiency audits. If such an audit has not been carried out in the 2 years prior to the issue of this Permit, then the first such audit shall take place within 2 years of its issue. The methodology used and an action plan for increasing the efficiency of the use of raw materials or water shall be submitted to the Agency within 2 months of completion of each such audit and a review of the audit and a description of progress made against the action plan shall be submitted to the Agency at least every 4 years thereafter; and
 - 2.4.1.3 ensure that incoming water use is directly measured and recorded.

2.5 Waste Storage and Handling

- 2.5.1 No condition applies except as covered by the requirements in 2.1.1

2.6 Waste recovery or disposal

- 2.6.1 Waste produced at the Permitted Installation shall be recycled or recovered unless technically and/or economically impossible.
- 2.6.2 No condition applies

- 2.6.3 The Operator shall maintain and implement a system which ensures that a record is made of the quantity, composition, origin, destination (including whether this is a recovery or disposal operation) and where relevant removal date of any waste that is produced at the Permitted Installation.

2.7 Energy Efficiency

- 2.7.1 No condition applies

2.8 Accident prevention and control

- 2.8.1 The Operator shall maintain and implement when necessary an accident management plan which shall be at least as effective as that submitted or described in response to Section B2.3.4 of the Application. The plan shall be reviewed at least every 2 years or as soon as practicable after an accident, whichever is the earlier, and the Agency notified of the results of the review within 2 months of its completion.

2.9 Noise and Vibration

- 2.9.1 The Permitted Installation shall be designed, operated and maintained so as to avoid reasonable cause for annoyance from noise or vibration, in particular by:
- equipment maintenance e.g. fans, pumps, motors, conveyors and mobile plant;
 - use and maintenance of appropriate attenuation e.g. silencers, barriers, enclosures;
 - timing and location of noisy activities and vehicle movements;
 - periodic checking of noise emissions, either qualitatively or quantitatively; and
 - maintenance of building fabric.

Provided always that the techniques used by the Operator shall be no less effective than those described in the application, where relevant

2.10 On Site Monitoring

- 2.10.1 The Operator shall maintain and implement an emissions monitoring programme which ensures that emissions are monitored from the specified points, for the parameters listed in and to the frequencies and methods described in Table 2.2.10, unless otherwise agreed in writing, and that the results of such monitoring are assessed. The programme shall ensure that monitoring is carried out under an appropriate range of operating conditions.
- 2.10.2 The Operator shall carry out environmental monitoring to the frequencies and methods described in Table 2.10.1

Table 2.10.1 : Other monitoring requirements

Emission point reference or source or description of point of measurement	Substance or parameter	Monitoring frequency	Control level
In waste monitoring wells as installed under the requirements of improvement condition 4b	Methane	Annual	1%
In waste monitoring wells as installed under the requirements of improvement condition 4b	Carbon dioxide	Annual	1%

- 2.10.3 No condition applies.
- 2.10.4 No condition applies.

- 2.10.5 The Operator shall notify the Agency at least 14 days in advance of undertaking monitoring and/or spot sampling, where such notification has been requested in writing by the Agency.
- 2.10.6 The Operator shall maintain records of all monitoring taken or carried out (this includes records of the taking and analysis of samples instrument measurements (periodic and continual), calibrations, examinations, tests and surveys) and any assessment or evaluation made on the basis of such data.
- 2.10.7 There shall be provided:
- 2.10.7.1 safe and permanent means of access to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 2 to this Permit, unless otherwise specified in that Schedule; and
- 2.10.7.2 safe means of access to other sampling/monitoring points when required by the Agency.

2.11 Closure, Aftercare and Decommissioning

- 2.11.1 The Permitted Installation shall, subject to the conditions of this Permit, be managed and controlled as described in the documentation specified in Table 2.11.1, or as otherwise agreed in writing by the Agency.

Table 2.11.1: Closure, Aftercare and Decommissioning techniques

Description	Parts	Date Received
Application	The response to questions B2.11 In Part B of the application form.	28 July 2004

- 2.11.2 Where the above Table refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the later document(s) shall prevail to the extent of such conflict.
- 2.11.3 No condition applies.
- 2.11.4 Notwithstanding condition 2.11.1 of this Permit, the Operator shall carry out a full review of the Site Closure Plan at least every 4 years.
- 2.11.5 The Operator shall implement the site closure plan on receipt of a notice from the Agency approving definitive closure of the landfill or part thereof.
- 2.11.6 The Operator shall give at least 30 days written notice to the Agency before implementing the site closure plan in respect of any non-landfill activities.

2.12 Multiple Operator installations

- 2.12.1 This is not a multi-Operator installation

2.13 Transfer to effluent treatment plant

- 2.13.1 No transfer from the Permitted Installation shall be made to effluent treatment plant

3 Records

- 3.1.1 The Operator shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:-
- be made available for inspection by the Agency at any reasonable time
 - be supplied to the Agency on demand and without charge
 - be legible
 - be made as soon as reasonably practicable
 - indicate any amendments which have been made and shall include the original record wherever possible; and
 - be retained at the Permitted Installation, or other location agreed by the Agency in writing, for a minimum period of 4 years from the date when the records were made, unless otherwise agreed in writing.

4 Reporting

- 4.1.1 All reports and written and or oral notifications required by this Permit and notifications required by Regulation 16 of the PPC Regulations shall be made or sent to the Agency using the contact details notified in writing to the Operator by the Agency.
- 4.1.2 The Operator shall, unless otherwise agreed in writing, submit reports of the monitoring and assessment carried out under condition 2.10, as follows:
- in respect of the parameters and emission points specified in Table S2 to Schedule 2.
 - for the reporting periods specified in Table S2 to Schedule 2 and using the forms specified in Table S3 to Schedule 3;
 - giving the information from such results and assessments as may be required by the forms specified in those Tables; and
 - to the Agency within 28 days of the end of the reporting period.
- 4.1.3 The Operator shall submit to the Agency a report on the performance of the Permitted Installation over the previous year, by 31 January each year, providing the information listed in Tables S4.1 of Schedule 4, assessed at any frequency specified therein.
- 4.1.4 The Operator shall review fugitive emissions, having regard to the application of the most appropriate measures to prevent pollution, on an annual basis, or such other period as shall be agreed in writing by the Agency, and a summary report on this review shall be sent to the Agency detailing such releases and the measures taken to reduce them within 3 months of the end of such period.
- 4.1.5 . No condition applies.
- 4.1.6 The Operator shall, within 6 months of receipt of written notice from the Agency, submit to the Agency a report assessing whether all appropriate preventive measures continue to be taken against pollution at the installation. The report shall consider any relevant published technical guidance current at the time of the notice which is either supplied with or referred to in the notice, and shall assess the costs and benefits of applying techniques described in that guidance, or otherwise identified by the Operator, that may provide environmental improvement.
- 4.1.7 No condition applies
- 4.1.8 The Operator shall submit to the Agency an interpretation report of the monitoring results for landfill gas, leachate, surface and groundwater against the relevant emission limits, assessment limits, control and trigger levels specified in the permit on a three monthly basis, and shall submit a summary report of these interpretations to the Agency within one month of the end of each three month period.
- 4.1.8 The Operator shall review all monitoring data required by this permit on an annual basis and shall submit a summary report to the Agency within three months of the end of each year.
- 4.1.9 The Operator shall submit to the Agency a report setting out the types and quantities of waste disposed of at the landfill on a three monthly basis i.e. for the periods 1 April - 30 June; 1 July - 30 September; 1 October - 31 December and 1 January - 31 March, such report to be received within 1 month from the end of each period.

5 Notifications

- 5.1.1 The Operator shall notify the Agency without delay of:-
- 5.1.1.1 the detection of an emission of any substance which exceeds any limit or criterion in this Permit specified in relation to the substance;
- 5.1.1.2 the detection of any fugitive emission which has caused, is causing or may cause significant adverse environmental effect; unless the quantity emitted is so trivial that it would be incapable of causing significant adverse environmental effect;
- 5.1.1.3 the detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential to cause significant pollution;
- 5.1.1.4 any accident which has caused, is causing or has the potential to cause significant pollution;
- 5.1.1.5 the refusal to accept or rejection of incoming waste at the landfill, and
- 5.1.1.6 the detection of any significant adverse environmental effects
- 5.1.2 The Operator shall submit written confirmation to the Agency of any notification under condition 5.1.1, by sending:-
- 5.1.2.1 information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
- 5.1.2.2 the more detailed information listed in Part B of that Schedule as soon as practicable thereafter;
- 5.1.2.3 and such information shall be in accordance with that Schedule.
- 5.1.3 The Operator shall give prior written notification to the Agency of the following events and in the specified timescales:
- 5.1.3.1 as soon as practicable prior to the permanent cessation of the landfill disposal operations,
- 5.1.3.2 as soon as practicable prior to the cessation of the operation of the landfill disposal operations, for a period likely to exceed 1 month
- 5.1.3.3 at least 14 days prior to the resumption of the landfill disposal operations after a cessation
- 5.1.4 The Operator shall notify the Agency, as soon as practicable, of any information concerning the state of the site which affects or updates that provided to the Agency as part of the Site Report submitted with the application for this Permit.
- 5.1.5 The Operator shall notify the following matters to the Agency in writing within 14 days of their occurrence:
- 5.1.5.1 where the Operator is a registered company:
- any change in the Operator's trading name, registered name or registered office address;
 - any change to particulars of the Operator's ultimate holding company (including details of an ultimate holding company where an Operator has become a subsidiary)
 - any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up;
- 5.1.5.2 where the Operator is a corporate body other than a registered company:
- any change in the Operator's name or address;
 - any steps taken with a view to the dissolution of the Operator.
- 5.1.5.3 In any other case:
- the death of any of the named Operators (where the Operator consists of more than one named individual);
 - any change in the Operator's name(s) or address(es);
 - any steps taken with a view to the Operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case them being in a partnership, dissolving the partnership;

6 Interpretation

6.1.1 In 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 PPC Regulations and any operational change agreed under the conditions of this Permit.

"background concentration" means such concentration of that substance as is present in:

- water supplied to the site; or
- where more than 50% of the water used at the site is directly abstracted from ground or surface water on site, the abstracted water; or
- where the Permitted Installation uses no significant amount of supplied or abstracted water, the precipitation onto the site.

"BAT" means best available techniques means the most effective and advanced stage of development of activities and their methods of operation which indicates the practical suitability of particular techniques to prevent and where that is not practicable to reduce emissions and the impact on the environment as a whole. For these 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" and "techniques" "includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned." . In addition, Schedule 2 of the PPC Regulations has effect in relation to the determination of BAT.

"Fugitive emission" means an emission to air or water (including sewer) from the Permitted Installation which is not controlled by an emission or background concentration limit under conditions 2.2.1.3, 2.2.2.4, 2.2.2.5, 2.2.2.8 or 2.2.2.9 of this Permit

"Groundwater" means all water which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

"Interim Hazardous" means a landfill classified as hazardous until 16th July 2004

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

"Permitted Installation" means the activities and the limits to those activities described in Table 1.1.1 of this Permit.

"PPC Regulations" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 (as amended) and words and expressions defined in the PPC Regulations shall have the same meanings when used in this Permit save to the extent they are specifically defined in this Permit. It shall include any future amendments or superseding legislation

"Sewer" means sewer within the meaning of section 219(1) of the Water Industry Act 1991.

"Staff" includes employees, directors or other officers of the Operator, and any other person under the Operator's direct or indirect control, including contractors.

"Year" means calendar year ending 31 December.

6.1.2 Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

6.1.3 Unless otherwise stated, any references in this Permit to concentrations of substances in emissions into air means;

- 6.1.3.1 in relation to gases from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- 6.1.3.2 in relation to gases from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.
- 6.1.4 Where any condition of this Permit refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the document(s) with the most recent date shall prevail to the extent of such conflict.

Schedule 1 - Notification of abnormal emissions and significant adverse environmental effects

This page outlines the information that the Operator must provide to satisfy conditions 5.1.1 and 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part C refers specifically to the requirement to notify the Agency of any significant environmental effect as required by the Landfill Regulations and should be used instead of Part B to report such to the Agency.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the PPC Regulations.

Part A

Permit Number	
Name of Operator	
Location of Installation	
Location of the emission/ significant adverse environmental effect	
Time and date of the emission/ significant adverse environmental effect	

Substance[s] emitted	Media	Best estimate of the quantity or the rate of emission	time during which the emission took place
	e.g. air		
	e.g. groundwater		

Measures taken, or intended to be taken, to stop the emission	
--	--

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission	
The dates of any unauthorised emissions from the installation in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Lafarge Aggregates Limited

PART C

Nature of significant adverse environmental effect (e.g. Groundwater Pollution, LFG escape)	
Immediate measures taken to prevent further effects from this source	
Further measures taken , or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the significant adverse environmental effect	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Lafarge Aggregates Limited

Schedule 2 - Reporting of monitoring data

Parameters, for which reports shall be made, in accordance with conditions 4.1.2 and 4.1.3 of this Permit, are listed below.

Table S2: Reporting of monitoring data

Parameter	Emission point	Reporting period	Period begins
Level (m.AOD)			Date of permit issue
pH			Date of permit issue
Electrical conductivity ($\mu\text{S.cm}^{-1}$)			Date of permit issue
Ammonical Nitrogen (mg.l-1)			Date of permit issue
Total Oxidised Nitrogen (mg.l-1)			Date of permit issue
Total Organic Carbon (mg.l-1)			Date of permit issue
Cadmium ($\mu\text{g.l}^{-1}$)			Date of permit issue
Calcium (mg.l-1)	Boreholes BH1, BH5/01, BH6/01, BH7/01, BH17, BH18, BH1/95, BHCR1, BHCR2, BHCR3, BHCR4, BHCR5 and any other boreholes installed as a result of improvement conditions 2a and 2b.	Quarterly or any other frequency determined as a result of compliance with improvement condition 2a.	Date of permit issue
Chloride(mg.l-1)			Date of permit issue
Chromium ($\mu\text{g.l}^{-1}$)			Date of permit issue
Iron (mg.l-1)			Date of permit issue
Lead (mg.l-1)			Date of permit issue
Magnesium (mg.l-1)			Date of permit issue
Manganese ($\mu\text{g.l}^{-1}$)			Date of permit issue
Nickel ($\mu\text{g.l}^{-1}$)			Date of permit issue
Potassium (mg.l-1)			Date of permit issue
Sulphate (mg.l-1)			Date of permit issue
Any other substances as determined as an priority contaminant under improvement condition 2a			Following notification of compliance with improvement condition 4b.
Carbon Dioxide (% vol), Methane (% vol) and Oxygen (% vol)	3 perimeter boreholes to be agreed with the Agency.	6 monthly	Date of Permit Issue
	Temporary monitoring points installed during impact searcher bar survey.	6 monthly	Commencement of waste disposal within any phase
	In waste gas monitoring well, installed under improvement conditions 4a and 4b.	6 monthly	
Surface water monitoring parameters agreed under improvement condition 3a	W1	To be agreed with the Agency	Following notification of compliance with improvement condition 3b

Schedule 3 - Forms to be used

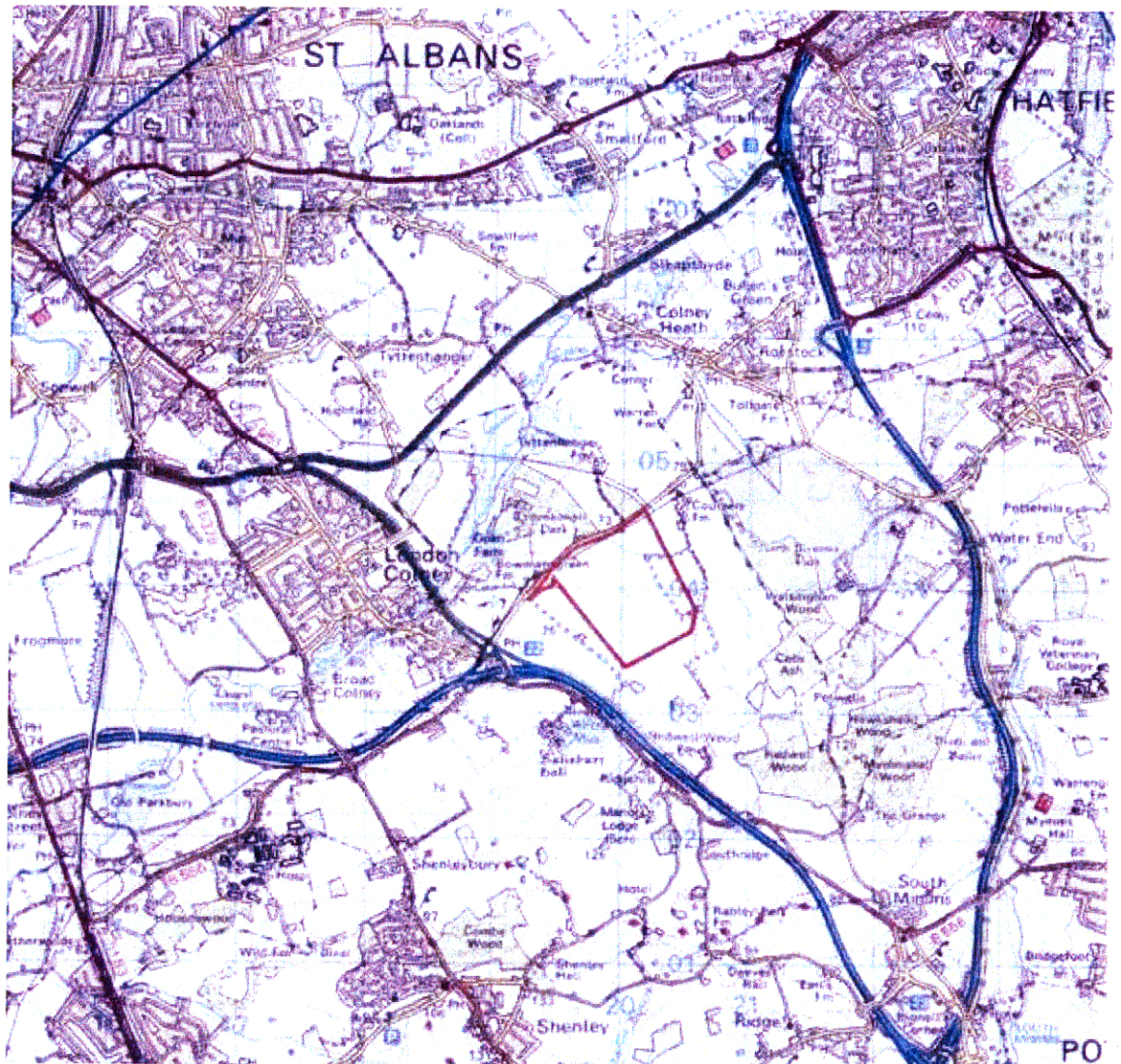
Table S3: Reporting
Forms

Media/parameter	Form Number	Date of Form
Waste Return	WPPCS1	

Schedule 4 - Reporting of performance data

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Schedule 5 - Site Plan



6.1.5 ["Reproduced from the Ordnance Survey map with the permission of the Controller of Her Majesty's Stationery Office ©Crown Copyright 2000. Unauthorised reproduction infringes Crown Copyright and may lead to prosecution or civil proceedings."]

END OF PERMIT

Permit

The Environmental Permitting (England & Wales) Regulations 2010

GB Railfreight Limited

Upside Railway Yard
Brent Terrace
Cricklewood
London
NW2 1LN

Permit number
EPR/AB3200KE

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit

Permit number

EPR/AB3200KE

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

GB Railfreight Limited ("the operator"),

whose registered office is

15-25 Artillery Lane

London

E1 7HA

company registration number 03707899.

to operate *waste operations* described in standard rules SR2009No5 at

Upside Railway Yard

Brent Terrace

Cricklewood

London

NW2 1LN

to the extent authorised by and subject to the conditions of this permit.

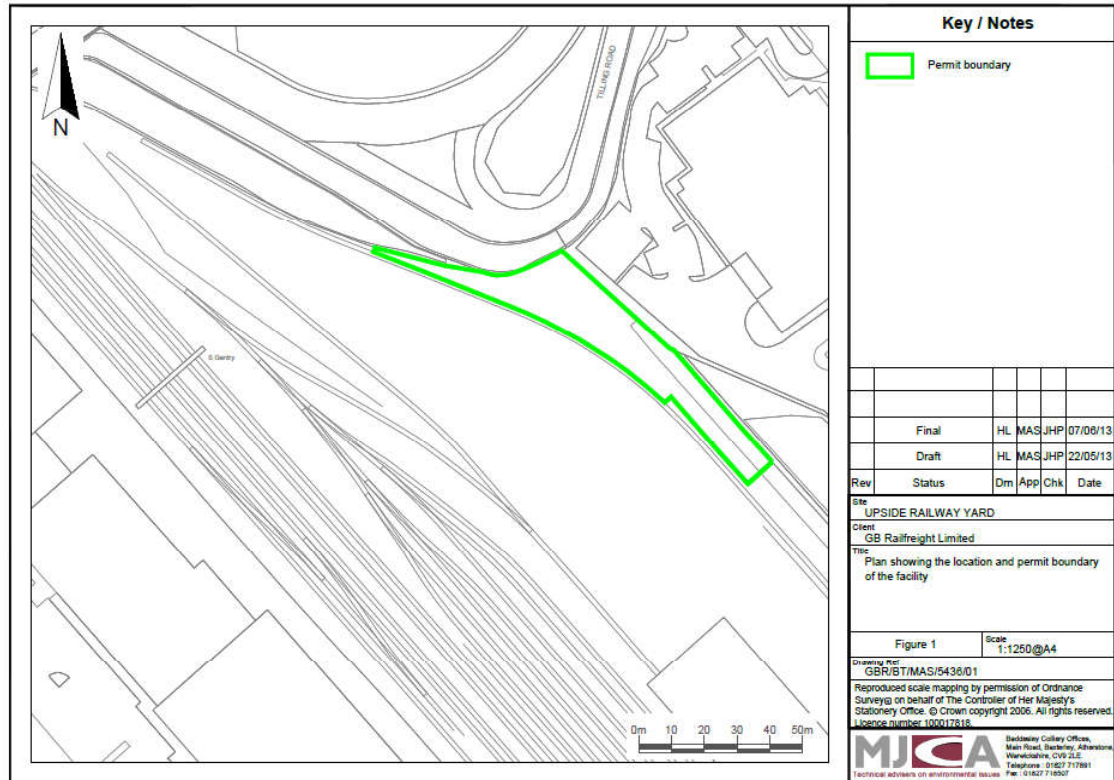
Under regulation 27(2) of the Regulations, standard rules SR2009No5 are conditions of this permit.

Name	Date
Emma Preston	28/08/2013

Authorised on behalf of the Environment Agency

Schedule 1 - Site plan

This is the plan referred to in the standard rules SR2009No5





Definition of Waste Code of Practice Declaration Receipt

This Declaration has been submitted to the Environment Agency under the Definition of Waste Code of Practice (DoW CoP).

You are reminded that if materials are not used in accordance with the Materials Management Plan or risk assessment, or if it is discovered that materials were not suitable for use, were used in excessive quantity or in such a manner as to harm human health or pollute the environment, the Environment Agency may conclude that those materials were discarded and were waste.

You are also reminded that a Verification Report must be prepared on completion of the work as set out in the Remediation Strategy / Design Statement covering the site. This Verification Report must be provided to the Environment Agency upon request.

This receipt relates to the following Declaration -

1. References	
Your Reference for this Declaration	GE20368D Canalside Park SS5
Related declaration references	2021-11-11 11:00:17 2022-04-06 15:06:51 2022-07-07 10:30:56 2022-07-11 08:43:29
3. Site of Origin	N/A
4. Direct Transfer	Checked
5. Cluster Project (including use of a fixed Soil Treatment Facility as a Hub site)	N/A
2. Proposed Volumes	
Proposed Volumes in m ³	20000
Additional comments on Proposed Volumes	Appendix L3 States that 19620m ³ of materials from site will be uncontaminated and inert natural soil and pile arisings. (As such 19620m ³ available rounded up to nearest thousand for declaration/charging)
4. Direct Transfer	
4a. Route A: Direct use of clean naturally occurring soils with elevated levels of naturally occurring substances on another development site.	N/A



4b. Route B: Direct use of clean naturally occurring soils on another development site.	Checked
4c. Donor Sites	
Donor Site #1	
Site Address	Plot B Ferry Island, Tottenham Hale Centre Development, 125-139 High Cross Road, N17 9NU
Company	Woodland Environmental Ltd
Developer company address	DTH FI Phase 2 GP Ltd. 4 Stable Street, London Mark Swinburne – 0203 6640277 Site listed above fall under the control of a single senior manager as follows; Peter Panioty, Woodland Environmental Ltd, 4 Elstree Way, Borehamwood, Hertfordshire, WD6 1RN. Peter.panioty@woodland.uk.com Tel: 07763558836 Earthworks Contractor: S Walsh and Sons Ferry Lane, Rainham, Essex RM13 9YB Sam Hardinge 07841 499846 Sam@swalsh.com
Name	Peter Panioty
Email	Peter.panioty@woodland.uk.com
Telephone	07763558836
4d. Receiver Sites	
Receiver Site #1	
Site Address	Glade Lane Canalside Park, Glade Lane, Southall Middlesex, UB2 4PL
Company	London Borough of Ealing Council
Developer company address	London Borough of Ealing Council Perceval House Uxbridge Road Ealing W5 2HL Chris Bunting buntingc@ealing.gov.uk 0208 825 6429 Woodland Environmental Ltd, 4 Elstree Way, Borehamwood, Hertfordshire, WD6 1RN. Peter Panioty Peter.panioty@woodland.uk.com Tel: 07763558836
Name	Peter Panioty



Email	Peter.panioty@woodland.uk.com
Telephone	07763558836

6. Local Authorities / Regulators**6a. Local Authorities****Local Authority #1**

Receiver Site Local Authority	London Borough of Ealing
Local Authority Address	Chris Bunting London Borough of Ealing Council Perceval House Uxbridge Road Ealing W5 2HL E BuntingC@ealing.gov.uk T 020 8825 6429
Lead Contact Name	Chris Bunting
Lead Contact Role	Portfolio Holder
Lead Contact Address (if different from above)	As above
Lead Contact Email	BuntingC@ealing.gov.uk
Lead Contact Telephone	020 8825 6429
Receiver Site Agency	Hatfield
Agency Address	Environment Agency – Herts and North London Waste Apollo Court Bishops Square Business Park St Albans Road West Hatfield AL10 9EX T 01707 632405 E HNL_WASTE@environment- agency.gov.uk See email trail with EA Referenced: Greg Swingler of HNL_WASTE EA team and Lisa Hill (DOWCOP Specialist) and Clay Durrant Clay.Durrant@environment-agency.gov.uk (Who most recent correspondence has been with)
Contact Telephone	01707 632405
Contact Email	HNL_WASTE@environment-agency.gov.uk

7. Lines of Evidence



Reference for the Materials Management Plan

Materials Management Plan for Canalside Park, Glade Lane, Public open Space Improvements, Lichfield prepared by Michael Graham of ICON Planning and Environmental on behalf of London Borough of Ealing Council, dated 3rd November 2022, Reference I.21.2350.MMP.001 Version D (To include SS5) Including updated Schematic on Volumes from each Source Site. Contact: Email: mgraham@iconsulting.uk.com; Telephone: 01953 857669



DoW CoP

Sustainable Reuse of Soils

A CL:AIRE Initiative

2022-12-16 17:25:19





Reference for the Risk Assessment	- Appendix D – Risk and Contamination Assessment - Site investigation Report undertaken for Glade Lane, Southall Middlesex by LBH Wembley, on behalf of Southall Football Club and Sports Club Limited, dated June 2002, Ref: LBH2927. - Remediation Scheme for Glade Lane Canalside Park, Southall, Middlesex UB2 4PL, undertaken by HDP Environmental Consulting Limited, on behalf of Icon Planning and Environmental, dated August 2021, Ref: GL36001. - Letter Report Ref: 1.22.2350.EA.COR.001 – response to EA to address previous concerns raised on RSVP dated 14.01.2022 from Michael Graham at I Consulting to Clay Durrant, Environment Agency - Email trail between Clay Durrant, Environment Agency and Michael Graham I Consulting between 25/01/2022 and 23/03/2022. Final email from Clay Durrant Dated 23/03/22 confirms acceptance of RSVP and use of DOWCOP on site. Donor Site Risk Assessment for Donor Site (SS5) – Transfer relates to materials from Plot B Ferry Island only, although Appendix L1 relate to a wider site area. -Appendix L1 – Geotechnical Interpretative Report for Tottenham Hale Development, undertaken by Whitby Wood, on behalf of THFILP, dated 28/11/2019, Ref P450040-REP-004 Revision 3. -Appendix L2 – Geo-environmental Interpretative Report 2020 for Tottenham Hale Development, undertaken by Whitby Wood, on behalf of THFILP, dated 26/11/2021, Ref P450040-REP-010 Revision 1. Appendix L3 - Material Assessment Report for Enabling work Excavations at Ferry Island undertaken by Powell Associates Limited on behalf of JRL Environmental Limited. Direct Transfer relates to clean naturally occurring materials only (Enfield Silt, Kempton Park Gravel and London Clay. and excludes Made Ground and the Enfield Silt in MIP101 at 1.2m (elevated antimony) It is noted that several contaminants including solvents have been identified within the groundwater in one location beneath the site as part of the 2019 wider site investigation (BH03), which has not been linked to an on site source in relation to Plot B, Ferry Island. Testing of soils at depth undertaken and presented in the report presented in Appendix L2 across the Plot B Ferry Island Plot for VOCs has not reported the presence of such contaminants sorbed to the soil mass. It is
CL:AIRE Initiatives Ltd Reading Business Centre, Fountain House 8th Floor, 2 Queens Walk, Reading, Berkshire RG1 7QF Company Registration No. 13628954 dowcop.declarations@claireinitiatives.com	6



Reference for either Remediation Strategy or Design Statement	- Design Statement for Canalside Park, Southall, Middlesex UB2 4PL, undertaken by Icon Planning and Environmental, dated 03/02/2021, Ref: (I.20.2350.DS.001). (Including Construction Method Statement undertaken by Woodland Environmental dated September 2021) - Remediation Scheme for Glade Lane Canalside Park, Southall, Middlesex UB2 4PL, undertaken by HDP Environmental Consulting Limited, on behalf of Icon Planning and Environmental, dated August 2021, Ref: GL36001. - Letter Report Ref: 1.22.2350.EA.COR.001 – response to EA to address previous concerns raised on RSVP dated 14.01.2022 from Michael Graham at I Consulting to Clay Durrant, Environment Agency - Email trail between Clay Durrant, Environment Agency and Michael Graham I Consulting between 25/01/2022 and 23/03/2022. Final email from Clay Durrant Dated 23/03/22 confirms acceptance of RSVP and use of DOWCOP on site.
Reference for the Verification Plan	Verification Plan detailing what to be presented in Verification Report in Section 26 of the MMP and in RSVP (Appendix D).
Company	Woodland Environmental Ltd
Address	Woodland Environmental Ltd 4 Elstree Way, Borehamwood Hertfordshire WD6 1RN Peter.panioty@woodland.uk.com Tel: 07763558836
Name	Peter Panioty
Email	Peter.panioty@woodland.uk.com
Telephone	07763558836
Expected production date for the Verification Report.	2023-11-30 00:00:00



7gi. Location plans	Appendix B: Drawings and Plans - Drawing 01 Glade Lane Proposed - Drawing 02 Glade Lane Existing - Drawing 03 Glade Lane Works area - Drawing 04 Glade Lane Clearance scheme - Drawing 05 Glade Lane Layout - Drawing 06 Glade Lane grading plan - Drawing 07 Glade Lane Landscaping plan - Drawing 08 Glade Lane drainage plan - i.21.2350.TP.001A - Tree Protection Plan - I.21.2350.TP.002 - Tree Protection Fencing
7gii. Schematics	Appendix B: Drawings and Plans - i.18.2349.MMP S001 – Revision B Issue Materials Movement Schematic (Updated to include changes in volume SS1, SS2, SS3 & SS4 and inclusion of SS5)



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7giii. Desk Top Study

- Appendix D – Risk and Contamination Assessment - Site investigation Report undertaken for Glade Lane, Southall Middlesex by LBH Wembley, on behalf of Southall Football Club and Sports Club Limited, dated June 2002, Ref: LBH2927. - Remediation Scheme for Glade Lane Canalside Park, Southall, Middlesex UB2 4PL, undertaken by HDP Environmental Consulting Limited, on behalf of Icon Planning and Environmental, dated August 2021, Ref: GL36001. - Letter Report Ref: 1.22.2350.EA.COR.001 – response to EA to address previous concerns raised on RSVP dated 14.01.2022 from Michael Graham at I Consulting to Clay Durrant, Environment Agency - Email trail between Clay Durrant, Environment Agency and Michael Graham I Consulting between 25/01/2022 and 23/03/2022. Final email from Clay Durrant Dated 23/03/22 confirms acceptance of RSVP and use of DOWCOP on site. Risk Assessment for Donor Site (SS5) – Transfer relates to materials from Plot B Ferry Island only, although Appendix L1 relate to a wider site area. -Appendix L1 – Geotechnical Interpretative Report for Tottenham Hale Development, undertaken by Whitby Wood, on behalf of THFILP, dated 28/11/2019, Ref P450040-REP-004 Revision 3. -Appendix L2 – Geo-environmental Interpretative Report 2020 for Tottenham Hale Development, undertaken by Whitby Wood, on behalf of THFILP, dated 26/11/2021, Ref P450040-REP-010 Revision 1. Appendix L3 - Material Assessment Report for Enabling work Excavations at Ferry Island undertaken by Powell Associates Limited on behalf of JRL Environmental Limited. Direct Transfer relates to clean naturally occurring materials only (Enfield Silt, Kempton Park Gravel and London Clay. and excludes Made Ground and the Enfield Silt in MIP101 at 1.2m (elevated antimony) It is noted that several contaminants including solvents have been identified within the groundwater in one location beneath the site as part of the 2019 wider site investigation (BH03), which has not been linked to an on site source in relation to Plot B, Ferry Island. Testing of soils at depth undertaken and presented in the report presented in Appendix L2 across the Plot B Ferry Island Plot for VOCs has not reported the presence of such contaminants sorbed to the soil mass. It is



7giv. Mass balance calculations	- Design Statement for Canalside Park, Southall, Middlesex UB2 4PL, undertaken by Icon Planning and Environmental, dated 03/02/2021, Ref: (I.20.2350.DS.001). (Including Construction Method Statement undertaken by Woodland Environmental dated September 2021) Appendix B: Drawings and Plans - Drawing 01 Glade Lane Proposed - Drawing 02 Glade Lane Existing - Drawing 03 Glade Lane Works area - Drawing 04 Glade Lane Clearance scheme - Drawing 05 Glade Lane Layout - Drawing 06 Glade Lane grading plan - i.18.2349.MMP S001 – Revision B Issue Materials Movement Schematic (Updated to include changes in volume SS1, SS2, SS3 & SS4 and inclusion of SS5)
7gv. Contingency arrangements	- Contingency Plans – Are presented in Section 21a-21d of MMP
7gvi. Tracking system	- Appendix F: Tracking Form and System: - Acceptance and Tracking Procedure
Additional Documentation #1	
Document Type	-Planning -Background documents that have fed into Design Statement for site - correspondence with EA.



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 Document Reference	- Appendix A: Planning consent and officer's report - 202710/FUL Decision Notice for Glade Lane Canalside Park, Glade Lane, Southall Middlesex, UB2 4PL, Issued by Ealing Council, dated 06/11/2020. Condition 5: Requirement for RSVP. - 213934/VAR Decision Notice for Glade Lane Canalside Park, Glade Lane, Southall Middlesex, UB2 4PL, Issued by Ealing Council, dated 17/09/2021 (Including removal of Condition 5:RSVP) Appendix E - Planning application supporting statements: - Preliminary Ecological Appraisal for Canalside Park, Southall, Middlesex UB2 4PL, undertaken by The Ecology Consultancy on behalf of Icon Planning and Environmental, dated 13/07/2020, Ref: 9874 (I.20.2350.ECO.001). - Flood Risk Assessment for Canalside Park, Southall, Middlesex UB2 4PL, undertaken by Evans Rivers and Canals on behalf of Icon Planning and Environmental, dated June 2020, Ref: 2525/re/06-20/01 (I.20.2350.FRA.001). - Planning Statement for Canalside Park, Southall, Middlesex UB2 4PL, undertaken by Icon Planning and Environmental, dated 14/07/2020, Ref: (I.20.2350.PS.001). - Transport Statement for Canalside Park, Southall, Middlesex UB2 4PL, undertaken by Pell Frischmann on behalf of London Borough of Ealing dated July 2020, Ref: 102614 (I.20.2350.TA.001). - Supporting Statement for Canalside Park, Southall, Middlesex UB2 4PL, undertaken by Icon Planning and Environmental, dated 24/05/2021, Ref: (I.20.2350.GBP.001). To accompany the submission of condition 5 RSVP. - Landscape Management Plan for Canalside Park, Southall, Middlesex UB2 4PL, undertaken by Icon Planning and Environmental, dated 24/05/2021, Ref: (I.20.2350.GBP.S73.001). Emails To EA: - Email of 4th October 2021 from Michael Graham of ICON to HNL_WASTE team at EA notifying of proposed use of DOWCOP detailing works and RSVP details and requesting confirmation of no objection. - Follow up email on 11th October by Michael Graham of ICON to HNL_WASTE team at EA chasing for response. - Email from Greg Swingler of HNL_WASTE EA team dated 20th October 2021, acknowledging receipt of email from 4th October 2021 and stating it had been forwarded on to Lisa Hill (DOWCOP Specialist) and that she was aware of the deadline of the 25/10/21 for
CL:AIRE Initiatives Ltd Reading Business Centre, Fountain House 8th Floor, 2 Queens Walk, Reading, Berkshire RG1 7QF Company Registration No. 13628954 dowcop.declarations@claireinitiatives.com	13



a) The Local Authority	Checked
b) Environment Agency	Checked
c) Natural Resources Wales	N/A
d) Other relevant environmental regulatory bodies	N/A
Reference the correspondence with the Local Authority	- 202710/FUL Decision Notice for Glade Lane Canalside Park, Glade Lane, Southall Middlesex, UB2 4PL, Issued by Ealing Council, dated 06/11/2020. Condition 5: Requirement for RSVP. - 213934/VAR Decision Notice for Glade Lane Canalside Park, Glade Lane, Southall Middlesex, UB2 4PL, Issued by Ealing Council, dated 17/09/2021 (Including removal of Condition 5:RSVP.



Reference the correspondence with the Environment Agency	Email chain to/with EA: - Email of 4th October 2021 from Michael Graham of ICON to HNL_WASTE team at EA notifying of proposed use of DOWCOP detailing works and RSVP details and requesting confirmation of no objection. - Follow up email on 11th October by Michael Graham of ICON to HNL_WASTE team at EA chasing for response. - Email from Greg Swingler of HNL_WASTE EA team dated 20th October 2021, acknowledging receipt of email from 4th October 2021 and stating it had been forwarded on to Lisa Hill (DOWCOP Specialist) and that she was aware of the deadline of the 25/10/21 for comment. However as of 31st October 2021 no comment or concerns relating to the use of the DOWCOP Had been received. As such in line with DOWCOP a reasonable attempt had been made to contact the EA however no comment or objection to the use of the DOWCOP has been received, as such proposed to continue works in line with DOWCOP as proposed and detailed to the Environment Agency. - Letter Report Ref: 1.22.2350.EA.COR.001 – response to EA to address previous concerns raised on RSVP dated 14.01.2022 from Michael Graham at I Consulting to Clay Durrant, Environment Agency - Email trail between Clay Durrant, Environment Agency and Michael Graham I Consulting between 25/01/2022 and 23/03/2022. Final email from Clay Durrant Dated 23/03/22 confirms acceptance of RSVP and use of DOWCOP on site.
I have reviewed the planning consent including planning conditions	Checked



Planning Reference (State either the reference or Not Applicable.)	- 202710/FUL Decision Notice for Glade Lane Canalside Park, Glade Lane, Southall Middlesex, UB2 4PL, Issued by Ealing Council, dated 06/11/2020. Condition 5: Requirement for RSVP. - 213934/VAR Decision Notice for Glade Lane Canalside Park, Glade Lane, Southall Middlesex, UB2 4PL, Issued by Ealing Council, dated 17/09/2021 (Including removal of Condition 5:RSVP.
a) The Local Authority	Checked
b) Environment Agency	Checked
c) Natural Resources Wales	N/A
d) Other relevant environmental regulatory bodies	N/A



Please list correspondence reviewed above	- 202710/FUL Decision Notice for Glade Lane Canalside Park, Glade Lane, Southall Middlesex, UB2 4PL, Issued by Ealing Council, dated 06/11/2020. Condition 5: Requirement for RSVP. - 213934/VAR Decision Notice for Glade Lane Canalside Park, Glade Lane, Southall Middlesex, UB2 4PL, Issued by Ealing Council, dated 17/09/2021 (Including removal of Condition 5:RSVP. Email chain to/with EA: - Email of 4th October 2021 from Michael Graham of ICON to HNL_WASTE team at EA notifying of proposed use of DOWCOP detailing works and RSVP details and requesting confirmation of no objection. - Follow up email on 11th October by Michael Graham of ICON to HNL_WASTE team at EA chasing for response. - Email from Greg Swingler of HNL_WASTE EA team dated 20th October 2021, acknowledging receipt of email from 4th October 2021 and stating it had been forwarded on to Lisa Hill (DOWCOP Specialist) and that she was aware of the deadline of the 25/10/21 for comment. However as of 31st October 2021 no comment or concerns relating to the use of the DOWCOP Had been received. As such in line with DOWCOP a reasonable attempt had been made to contact the EA however no comment or objection to the use of the DOWCOP has been received, as such proposed to continue works in line with DOWCOP as proposed and detailed to the Environment Agency. - Letter Report Ref: 1.22.2350.EA.COR.001 – response to EA to address previous concerns raised on RSVP dated 14.01.2022 from Michael Graham at I Consulting to Clay Durrant, Environment Agency - Email trail between Clay Durrant, Environment Agency and Michael Graham I Consulting between 25/01/2022 and 23/03/2022. Final email from Clay Durrant Dated 23/03/22 confirms acceptance of RSVP and use of DOWCOP on site.
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Planning consent not required	N/A
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8. QP Declaration	
8a. QP Name	Laura Legate
8b. QP Number	QP293
8c. I satisfy the Qualified Person requirements set out in Appendix 6 of the Definition of Waste: Development Industry Code of Practice to complete this Declaration.	Checked
8d. I have reviewed the Materials Management Plan for the above project.	Checked
8e. I have reviewed the Risk Assessment.	Checked
8f. I have reviewed the Remediation Strategy/Design Statement covering the above site.	Checked
8g. I have requested correspondence / documentation relating to the development and how that relates to the use of materials.	Checked
8h. The risk assessment assesses human health and environmental risks in relation to the proposed uses of all the materials in the MMP. The risk assessment concludes that the objectives of preventing harm to human health and pollution of the environment will be met if materials are used in the proposed manner	Checked
8i. The Local Authority, the Environment Agency / Natural Resources Wales and other relevant environmental regulatory bodies have not objected to the proposed development / land remediation on the basis that the use of any material is likely to cause harm to human health or pollution of the environment. [This confirmation should be given regardless of whether planning consent is required for the activity. Also see paragraph 3.37 of the CoP.]	Checked



8j. The EA/NRW have not objected to the reuse of materials on the grounds that it a.) constitutes a waste management operation or b.) has had a previous application for an environmental permit for waste recovery refused (on the grounds that the project represents waste disposal).	Checked
8k. The project does not involve land-spreading / agricultural re-profiling.	Checked
8l. The project has not yet commenced; this is not a retrospective application of the DoW CoP.	Checked



Appendix P Discharge Permit.



THAMES WATER UTILITIES LTD.

Water Industry Act 1991

CONSENT TO THE DISCHARGE OF TRADE EFFLUENT

WHEREAS

1. J Reddington Limited
4 Elstree Way
Borehamwood
Hertfordshire
WD6 1RN

is/are the occupier(s)/owner(s) (hereinafter called THE APPLICANT) of the trade premises known as
J Reddington Limited and situated at
Ferry Island
Tottenham Hale
Haringey
London
N17 9FR

(hereinafter called THE PREMISES) and by notice dated Eighth day of November, Two Thousand and Twenty Two has/have made application to Thames Water Utilities Ltd. (hereinafter called THE COMPANY) to Consent to the discharge of Trade Effluent by him/her/them from THE PREMISES into THE COMPANY's public foul water and/or combined sewers.

2. Now therefore in exercise of the powers conferred upon it in that behalf as a sewerage undertaker by the Water Industry Act 1991, THE COMPANY HEREBY CONSENTS to the discharge of Trade Effluent from THE PREMISES into THE COMPANY's public foul or combined sewer(s) (hereinafter called THE SEWER(S)) subject to the following conditions:

Nature and
composition

1. The nature and composition of the Trade Effluent (hereinafter called THE TRADE EFFLUENT) to be discharged under this Consent is: Waste liquids arising from groundwater from construction of below ground structures, contaminated surface water and wheel washing

Sewer(s) affected	2. (a) THE SEWER(S) into which THE TRADE EFFLUENT may be discharged is/are THE SEWER(S) detailed below: 450mm foul sewer Station Road And more particularly shown in line(s) on the annexed plan and thereon coloured red. The point(s) at or through which THE TRADE EFFLUENT is to be discharged is/are shown on the said plan and thereon marked green. (b) No connection shall be made to the said sewer without the prior approval of THE COMPANY and all such connections shall be constructed and maintained to the satisfaction of THE COMPANY at the expense of THE APPLICANT. (c) No change shall be made in such point(s) of discharge without prior Consent in writing of THE COMPANY.
Maximum quantity to be discharged	3. The maximum quantity of THE TRADE EFFLUENT which may be discharged on any one day of twenty-four hours determined from midnight to midnight shall not exceed 150.000m³.
Maximum rate of discharge	4. a) The maximum rate at which THE TRADE EFFLUENT may be discharged shall not exceed 18.000m³ per hour. b) The maximum rate at which THE TRADE EFFLUENT may be discharged shall not exceed 5.000 litres per second.

Matter to be eliminated prior to discharge to the sewer(s)

5. (a) There shall be eliminated from THE TRADE EFFLUENT before it is discharged into THE SEWER(S) any matter, which, either alone or in combination with any matter with which it is likely to come into contact while passing through any sewers, would injure or obstruct any such sewers or cause injury to and/or damage to the health of any person lawfully present in, or in the vicinity of, such sewers, pumping stations or sewage treatment works or would make especially difficult or expensive the treatment or disposal of their contents and in particular but without prejudice to the generality of the foregoing words the following matters:--

- (i) Petroleum spirit
- (ii) Calcium carbide
- (iii) Thiourea and thiourea derivatives
- (iv) Non biodegradable detergents

Such discharges would constitute a criminal offence under section 111 of the Water Industry Act 1991.

(b) Unless specified in APPENDIX 1, THE TRADE EFFLUENT shall not contain any substances determined by the Environment Agency as hazardous chemicals and elements (or "specific substances") at a concentration greater than background as defined in the Trade Effluents (Prescribed Processes and Substances) Regulations 1989.

(c) THE TRADE EFFLUENT shall not contain any of the substances listed in APPENDIX 1 at a concentration expressed in milligrams per litre greater than that stated.

SEE APPENDIX 1

Temperature

6. No Trade Effluent shall be discharged which has a temperature higher than 43 degrees Celsius

Acidity or alkalinity

7. No Trade Effluent shall be discharged the pH value of which is less than 6.0 or greater than 11.0.

Changes in occupier or process

8. (a) THE APPLICANT shall give to THE COMPANY notice in writing of any changes or proposed changes in the company name, address, occupier, processes, volume or discharge rate of THE TRADE EFFLUENT or changes which may result in the permanent cessation of the discharge.

(b) THE APPLICANT shall give to THE COMPANY 21 (twenty-one) days prior written notice of any change in the process, process materials or any other circumstances likely to alter the nature and composition as set out in section 1. THE COMPANY shall have the right to refuse to agree to the change.

(c) Any substance not declared on the Notice may not be discharged and shall not prejudice the right of THE COMPANY to serve a Notice of Direction within 2 (two) years from the date of issue of this Consent.

- | | |
|-------------------|--|
| Payment | <p>9. The APPLICANT shall be liable for payment of Trade Effluent Charges including:</p> <p>(a) A sum calculated in accordance with the provisions contained in THE COMPANY's Wholesale Tariff Document.</p> <p>(b) Any additional expenses which THE COMPANY may from time to time incur with respect to the monitoring, analysis, reception, treatment and disposal of THE TRADE EFFLUENT.</p> <p>(c) Where samples taken by THE COMPANY establish that THE APPLICANT is in breach of a Consent, THE APPLICANT shall be liable to pay the sampling and analysis charge for each sample that was necessary to take in order to establish such a breach, which shall be the charge set out in THE COMPANY's Wholesale Tariff Document.</p> |
| Entry and samples | <p>10. Any person designated by THE COMPANY may on any occasion inspect, examine and test any works and apparatus installed in connection with THE TRADE EFFLUENT and obtain and take any sample of TRADE EFFLUENT from THE PREMISES.</p> |
| Inspection | <p>11. A safe and suitable inspection chamber or manhole shall be provided by THE APPLICANT to the satisfaction of THE COMPANY and located in a suitable position in relation to each pipe through which THE TRADE EFFLUENT is being discharged. The inspection chamber or manhole shall be so constructed and maintained by THE APPLICANT as to enable duly authorised representatives of THE COMPANY to take samples at any time of the matter passing into THE SEWER(S) from THE PREMISES</p> |

Measurement and
determination of
discharge

12. (a) Private meters may be necessary for the calculation of charges and compliance with the conditions of this Consent. These meters (hereinafter called PRIVATE METERS), if required by THE COMPANY, must be adequate for continuous measurement and automatically recording the volume, nature, composition and rate of discharge of THE TRADE EFFLUENT being discharged into THE SEWER(S) and shall be provided and maintained by THE APPLICANT to the satisfaction of THE COMPANY.
- (b) The installation, accuracy testing, repair, replacement, calibration and exchange of PRIVATE METERS is the responsibility of THE APPLICANT and shall be carried out by THE APPLICANT in accordance with the conditions set out below:

THE APPLICANT shall notify THE COMPANY of its intention to install a new PRIVATE METER; Within five (5) business days of the meter installation, THE APPLICANT shall provide to THE COMPANY details of the meter installation including meter serial number, meter location, a calibration certificate (where required), initial read and supporting photographic evidence. The photographic evidence must include the initial read and the meter serial number and must be of sufficient quality to enable THE COMPANY to confirm the meter details;

PRIVATE METERS shall be calibrated at least annually or more frequently if specified by THE COMPANY and certificated by a suitably qualified person and/or company approved by THE COMPANY;

THE APPLICANT shall arrange for any PRIVATE METERS to be repaired, replaced, exchanged or tested as appropriate within timescales agreed with THE COMPANY;

In the event of replacement or exchange of the PRIVATE METER, THE APPLICANT shall, within five (5) business days of the meter replacement, provide to THE COMPANY details of the meter removal and installation including meter serial numbers, meter location, a calibration certificate (where required), final read, initial read (and the dates of the final read and initial read) and supporting photographic evidence. The photographic evidence must include the final read, initial read and the meter serial numbers and must be of sufficient quality to enable THE COMPANY to confirm the meter details;

In the event of repair of the PRIVATE METER, THE APPLICANT shall, within five (5) business days of the meter repair, provide to THE COMPANY details of the meter read and supporting photographic evidence. The photographic evidence must include the meter read and the meter serial number and must be of sufficient quality to enable THE COMPANY to confirm the meter details;

In the event of testing of the PRIVATE METER, THE APPLICANT shall notify THE COMPANY of the test results within twenty (20) business days of the testing.

Records

13. (a) Records in such a form as THE COMPANY may require shall be kept by THE APPLICANT of the volume, rate of discharge, nature and composition of THE TRADE EFFLUENT discharged into THE SEWER(S) and shall be made available for inspection at any time by duly authorised representatives of THE COMPANY and copies of such records shall be sent to THE COMPANY on demand.

(b) If any PRIVATE METER ceases to register or measure correctly then, unless otherwise agreed, the volume during the period from the date on which the records were last accepted by THE COMPANY as being correct up to the date when the PRIVATE METER again registers correctly shall, for the purpose of any charges, be based on the average daily volume during the period of one month preceding the date on which the said records were last accepted as aforesaid or during the month immediately after the PRIVATE METER has been corrected, whichever is the higher.

(c) The foregoing provisions of this condition shall be of no effect so long as there is available to the satisfaction of THE COMPANY some other method approved by THE COMPANY of sampling THE TRADE EFFLUENT or of determining, continuously measuring and recording volumes and rates of discharge and the nature and composition of THE TRADE EFFLUENT discharged.

Vacation of Site

14. THE APPLICANT(s) must notify THE COMPANY in writing at least 21 days in advance of the following events:
 (a) Vacation of THE PREMISES by THE APPLICANT for any reason, whether permanent or temporary;
 (b) Change of ownership or occupation of THE PREMISES;
 (c) THE APPLICANTs entry into liquidation whether voluntarily or compulsorily or bankruptcy, if an individual;
 (d) The presentation of a petition for the appointment of an administrator or a receiver or manager in respect of THE APPLICANTs undertakings;
 (e) Cessation of discharge of TRADE EFFLUENT from THE PREMISES

Commencement of Discharge

16. The commencement date of this Consent will be:

20th December 2022

THE APPLICANT must not discharge THE TRADE EFFLUENT before the commencement date.

NOTES:

- a) All communications should be sent to the following address:
Trade Effluent
Thames Water Utilities Ltd
Crossness Sewage Treatment Works
Bazalgette Way
Abbey Wood
London
SE2 9AQ

Or Email:
Trade.Effluent@thameswater.co.uk
- b) Your attention is drawn to the right of appeal to the Director General of Water Services conferred by Section 122 of the Water Industry Act 1991 if you are aggrieved by any condition attached to this Consent.
- c) Charges for sewerage services may be payable in addition to Trade Effluent Charges
- d) A copy of the Wholesale Tariff Document is available from Thames Water Utilities Ltd's website
- e) If you discharge Trade Effluent in contravention of a condition of this Consent you will be guilty of a criminal offence and may be subject to prosecution.

APPENDIX 1 - SUBSTANCES

The Trade Effluent shall not contain any of the substances listed below at a concentration expressed in milligrams per litre greater than that stated:

Determinand Name	Consented Limit
Suspended Solids	2000.0
Settleable Solids	1000.0
Chemical Oxygen Demand	500.0
Rapidly Settleable Solids	100.0
Total Oil & Grease	50.0
Ammoniacal Nitrogen	35.0
Total Phosphorus	13.0

THERE ARE NO FURTHER LIMITS IN THIS APPENDIX