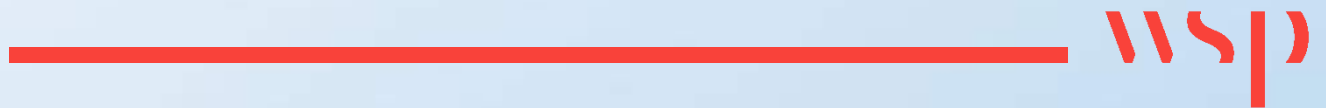


Appendix J

WASTE DISPOSAL INFORMATION





**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control (England and Wales) Regulations 2000

Redhill Landfill (North East Quadrant)

**Biffa Waste Services Limited
Comongers Lane
Nutfield
Redhill
Surrey
RH1 4ER**

Variation Notice number

KP3534LQ

Permit number

BU8126

Introductory note

This introductory note does not form a part of the Variation Notice.

The following Notice is issued under Regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations)) to vary the conditions of a Permit issued under the Regulations to operate part of an installation. The Notice comprises Schedule 1 containing conditions to be deleted, Schedule 2 conditions to be added.

Brief description of the changes introduced by this variation notice.

The permit has been varied in accordance with the decision, dated 8th February 2006, of the Inspector appointed by the Secretary of State for Environment, Food and Rural Affairs.

Status Log

Status Log of the Permit		
Detail	Date	Comment
Application BU8126	Received 9 June 2003	Application for the North East Quadrant part of the installation
Response to request for information regarding commercial confidentiality	Request dated 19 June 2003 Response dated 18 July 2003	
Response to request for information regarding technical information -- North East quadrant	Request dated 14 October 2003 Response dated 11 November 2003	
Request to extend determination	Request dated 14 October 2003 Agreed by applicant 15 October 2003 Request from operator to extend determination to 9 February 2004. Agency agreed to extend to 23 January 2004.	
Permit determined	3 March 2004	
Variation KP3534LQ determined	12 October 2006	

Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation			
Holder	Reference Number	Date of issue	Fully or Partially Superseded
Biffa Waste Services Limited	3641/ 124 EAWML 83205	19 December 1989	Fully superseded
Biffa Waste Services Limited	WR3016	3 October 1997	Fully superseded
Biffa Waste Services Limited	WR3017	3 October 1997	Fully superseded

Variation Notice
Pollution Prevention and Control
(England and Wales) Regulations 2000



**ENVIRONMENT
AGENCY**

Variation Notice

Permit number **BU8126**

Variation Notice number **KP3534LQ**

The Environment Agency in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I. 2000 No. 1973) (as amended), hereby varies the Permit held by you.

Biffa Waste Services Limited ("the Operator"),

whose Registered Office is
Coronation Road
Crassex
High Wycombe
Buckinghamshire
HP12 3TZ

Company registration number 946107

to operate part of an Installation at
Redhill Landfill
Cormongers Lane
Nutfield
Redhill
Surrey RH1 4ER

to the extent set out in Schedules 1 to 2 of this Variation Notice.

This Notice shall take effect from 12 October 2006 at 00.01 hours.

Signed

A rectangular box containing a handwritten signature in cursive that reads "Mark Jenkins".

Martin Jenkins, SPG Permitting Team Leader

Authorised to sign on behalf of the Environment Agency

Date

12th October 2006

SCHEDULE 1 - CONDITIONS AND SCHEDULES TO BE DELETED

All the conditions and schedules in the original Permit BU8126 to be deleted.

SCHEDULE 2 - CONDITIONS AND SCHEDULES TO BE ADDED

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 5.2(a), The disposal of waste in a landfill.	Landfill for hazardous and non-hazardous waste (landfill classification under the Landfill Regulations 2002)	Receipt, handling, storage and disposal of stabilized, non-reactive hazardous waste and non-hazardous wastes, consisting of the types and quantities specified in attachment 2, 3, 4 and 5 in answer to questions 2.2.1, 2.2.5 and 2.2.6 of the application 'Patteson Court North East Quadrant', as an integral part of landfilling excluding wastes listed in the EWC as xx xx 99, unless specifically identified in the Application.
Section 1.1(b)(iii) burning waste as a fuel in an appliance	Utilisation and/or flaring of landfill gas for energy recovery	Landfill gas arising from the Permitted landfill and from the Permitted landfill permitted under Permit No. BV2263
Directly Associated Activity	Leachate re-circulation, storage and treatment of leachate pre-discharge	Leachate arising from the Permitted landfill and from the Permitted landfill permitted under Permit No. BV2263
Directly Associated Activity	Discharge of site drainage from the landfill.	From surface water and groundwater management system to points of entry to controlled waters

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 Improvement Programme

- 1.3.1 The Operator shall complete the improvements specified in Table 1.3.1 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 1.3.1: Improvement programme requirements

Reference	Requirement	Date
1	A procedure shall be submitted to the Agency detailing the permanent geophysical leak location system which shall be installed in accordance with Condition 1.4.1 and shall be used for monitoring the effectiveness of the lining system. The procedure shall be implemented from the date of approval in writing by the Agency. The notification requirements of condition 1.3.1 shall be deemed to have been complied with on submission of the procedure.	Within 3 months of the issue of this Permit
2	A procedure shall be submitted to the Agency identifying a location, frequency and contingency plan for the monitoring of emissions from the gas engines and flare in the vicinity of the public footpath to the north west of the landfill area. The procedure shall be implemented from the date of approval in writing by the Agency. The notification requirements of condition 1.3.1 shall be deemed to have been complied with on submission of the procedure.	
3	A Leachate Management Plan shall be submitted to the Agency. The Plan shall be implemented from the date of approval in writing by the Agency. The notification requirements of condition 1.3.1 shall be deemed to have been complied with on submission of the Plan.	31 May 2006

- 1.3.2 Where the Operator fails to comply with any requirement by the date specified in Table 1.3.1 it shall send written notification of such failure to the Agency within 14 days of such date.

1.4 Pre-Operational Conditions

- 1.4.1 No disposal of wastes shall take place in any cell of the NEQ where waste deposit commences after the date of the Inspector's decision, in relation to appeal reference APP/PPC/04/14, unless:
- 1.4.1.1 prior to the commencement of construction of that cell the operator has submitted to the Agency in writing the detailed design and the construction quality assurance (CQA) programme for the pre-operational engineering of the sub-linear groundwater drainage system, permanent geophysical leak location system, barriers, liners and leachate collection layer for that cell and that it is confirmed in writing by the Agency that these are in conformance with the relevant specifications set out in section 2 of Part B of the Application and in accordance with the requirements of Table 1.3.1, save that if, within 4 weeks of submission to it of the design and programme the Agency has failed to tell the Operator in writing where they do not conform with the relevant specifications or where further information is required in relation to specified matters, the Agency shall be deemed to have accepted that they conform; and

- 1.4.1.2 the Operator has notified the Agency in writing of any changes in the detailed design and the CQA programme that are made during the construction within 5 working days of those changes having been made and the Agency has agreed in writing that these are in conformance with the relevant specifications set out in Part B of the Application and in accordance with the requirements of Table 1.3.1 save that if, within 2 weeks of submission to it of notice of these changes, the Agency has either not given written reason why the changes are not acceptable or has made no written request to the Operator for further information in relation to specified matters, the changes shall be deemed to have been agreed by the Agency; and
- 1.4.1.3 the pre-operational engineering and infrastructure of the sub-liner groundwater drainage system, permanent geophysical leak location system, barriers and liners and the leachate collection layer have been completed and validated in accordance with the documented CQA procedures, and
- 1.4.1.4 the operator has submitted the validation report in writing to the Agency; and
- 1.4.1.5 the Agency has agreed the validation report in writing save that if, within 4 weeks of submission the Agency has failed to indicate to the Operator that it requires specific further information for the purposes of evaluating the report, then the validation report is deemed to have been agreed by the Agency; and
- 1.4.1.6 the Agency has inspected the cell to ensure that it complies with the relevant conditions of the permit and has agreed in writing that it has no objection to that cell becoming operational save that if, within 4 weeks of agreement or deemed agreement by it of the validation report, the Agency has failed to inspect the cell in question or if it has inspected the cell within that period but has failed within 4 weeks of that inspection to give the Operator written reasons for not accepting that the relevant conditions of the permit have been complied with, waste may be deposited in the cell in question.
- 1.4.2 No disposal of wastes shall take place in any cell of the NEQ unless in respect of that cell:
 - 1.4.2.1 Proposals for the installation of a second remote/independent leachate monitoring borehole for the cell have been submitted in writing to the Agency and the Agency has agreed to the proposals in writing save that if, within 4 weeks of submission to it of notice of these proposals, the Agency has either not given written reason why the changes are not acceptable or has made no written request to the Operator for further information in relation to specified matters, the proposals shall be deemed to have been agreed by the Agency. The additional borehole shall be installed in advance of any waste deposit in the cell and in accordance with section 2.3.10 (page 45/1) of the application. The borehole shall be monitored in accordance with conditions 2.2.8.1 and 2.2.8.2.
 - 1.4.2.2 A detailed design for the leachate recirculation infrastructure has been submitted to the Agency in writing and agreed in writing by the Agency save that if, within 4 weeks of submission to it of the design, the Agency has either not given written reason why the design is not acceptable or has made no written request to the Operator for further information in relation to specified matters, the design shall be deemed to have been agreed by the Agency.
- 1.4.3 Within 3 months of the date of the Inspector's decision, in relation to appeal reference APP/PPC/04/14, proposals shall be submitted in writing to the Agency detailing the design options for the interface lining system between the NEQ and SWA for approval in writing by the Agency save that if, within 4 weeks of submission to it of notice of the proposals, the Agency has either not given written reason why the proposals are not acceptable or has made no written request to the Operator for further information in relation to specified matters, the proposals shall be deemed to have been approved by the Agency.

2 Operating conditions

2.1 Landfilling Controls

2.1.1 The NEQ 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.

Description	Parts	Date Received
Application	The response to questions 1.2, 2.1, 2.2, 2.3, 2.4 and 2.5 in part B of the Application Forms for 'Patteson Court, North East Quadrant'. The technical details and standards contained within these documents shall apply to the NEQ, save that the Operator shall install on the sides of the engineered containment a leachate drainage layer of not less than 300mm thickness measured perpendicular to the surface of those sides.	9 June 2003
	The revised Patteson Court Southwest Area Landfill Risk Assessment report by Environmental Simulations International Ltd, dated December 2003, received under cover of letter from applicant dated 12 December 2003.	12 December 2003
	The information contained within letters from the applicant dated 26 September 2003, 11 November 2003 and 12 December 2003, which should be considered as part of the application.	26 September 2003, 11 November 2003 and 12 December 2003

2.1.2 Wastes shall only be accepted for disposal in the NEQ if they are:

2.1.2.1 Non-hazardous including inert waste and stable, non-reactive hazardous waste that is to be deposited in a discrete cell separate from any areas used for the disposal of biodegradable non-hazardous waste;

2.1.2.2 Wastes for the NEQ shall not include any of the following:

- a) liquid wastes (including waste waters but excluding sludge)
- b) waste which in the conditions of landfill is explosive, corrosive, oxidising, highly flammable or flammable
- c) hospital and other clinical infectious wastes from medical or veterinary establishments
- d) 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
- e) whole used tyres (other than tyres used as engineering materials, bicycle tyres and tyres with an outside diameter of more than 1400mm) from 16 July 2006.
- f) shredded used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm) from 16 July 2006.
- g) any waste which does not fulfil the relevant waste acceptance criteria
- h) waste which has been diluted or mixed solely to meet the relevant waste acceptance criteria
- i) with effect from a date specified in any Regulations but if no date is so specified no later than 31 March 2007 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;

and

- 2.1.2.3 they are in accordance with the list of waste types and quantities, as described in the relevant part of the applications as identified in Table 1.1.1.
- 2.1.2.4 The Operator shall visually inspect:
- without unloading it, waste that is not in an enclosed container or vehicle on arrival at the landfill; and
 - waste at the point of deposit;
- and shall satisfy himself that it conforms to the basic characterisation documentation submitted by the holder.
- 2.1.2.5 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.
- 2.1.2.6 The operator on accepting each delivery of waste shall provide a written receipt to the person delivering it.
- 2.1.2.7 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.
- 2.1.2.8 The total quantity of waste that shall be deposited in the NEQ shall not exceed 8,190,000 tonnes.
- 2.1.3 The quantity of waste that is deposited in the NEQ in any year shall not exceed the limits in Table 2.1.2 below

Category	Limit Tonnes/ Year	Comments
Hazardous Waste	0	Not permitted
Non Hazardous Waste	510,000	-
Stable, non-reactive hazardous waste	120,000	-
Inert Waste	120,000	-

- 2.1.4 The Operator shall maintain and implement a system (a waste return) which ensures that a record is made of the quantity, characteristics, origin and date of delivery of any waste that is received for disposal or recovery at the NEQ and of the identity of the producer or, in the case of municipal waste and multiple collection vehicles, of the collector of such waste.
- 2.1.5 The Operator shall record the quantity of waste deposited within the landfill and for hazardous wastes its precise disposal location, either
- On a site plan marked with a grid, or
 - A site plan with overlays on which deposits are shown in relation to the contours of the site

2.2 Emissions

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

- 2.2.1.1 This Part 2.2.1 of this Permit shall not apply to releases of odour, noise or vibration.
- 2.2.1.2 Emissions to air from the emission points in Table 2.2.1 shall only arise from the sources specified in that Table.

Table 2.2.1: Emission points to air

Emission point reference or description	Source	Location of emission point
A3 Exhaust from landfill gas engines	All landfill gas engines within the compound	'Power generation plant' on site plan 2/NEQ/03
A4 Exhaust from landfill gas flares	All landfill gas flares within the compound	'Flare compound' on site plan 2/NEQ/03

2.2.1.3 The limits for emissions to air for the parameter(s) and emission point(s) set out in Table 2.2.1a shall not be exceeded, save that compliance with an emission limit shall include incorporation of the uncertainty allowance stated in LFTGN05 and LFTGN08.

Table 2.2.1a: Emission limits to air and monitoring

Emission point reference	Parameter	Limit (including Reference Period)	Monitoring frequency	Monitoring method
A3	Oxides of nitrogen	500 mg/Nm ³	Annual	Chemiluminescence
A3	Hydrogen chloride	8 mg/Nm ³	Annual	Electrochemical analyser
A3	Hydrogen fluoride	5mg/Nm ³	Annual	Electrochemical analyser
A3	Carbon monoxide	1500mg/Nm ³	Annual	Non-dispersive Infra-red
A3	Sulphur dioxide	310mg/Nm ³	Annual	Ultraviolet analyser
A3	Carbon dioxide	None	Annual	Infra-red analyser
A3	Total hydrocarbons	150mg/Nm ³	Annual	Flame ionisation
A4	Oxides of nitrogen	150 mg/Nm ³	Annual	Chemiluminescence
A4	Hydrogen chloride	50 mg/Nm ³	Annual	Electrochemical analyser
A4	Carbon monoxide	50 mg/Nm ³	Annual	Non-dispersive Infra-red
A4	Sulphur dioxide	50 mg/Nm ³	Annual	Ultraviolet analyser
A4	Carbon dioxide	None	Annual	Infra-red analyser
A4	Total hydrocarbons	5 mg/Nm ³	Annual	Flame ionisation
A4	Particulates	None	Annual	Extractive sampling

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

2.2.2.1 This Part 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 - 7 shall not apply to emissions to sewer.

2.2.2.3 Emissions to water from the emission point(s) specified in Table 2.2.2 shall only arise from the source(s) specified in that Table

Table 2.2.2: Emission point to water

Emission Point Reference or description	Source	Receiving Water
WR3016 (NGR TQ 2916 5124)	Discharge from dewatering outlet	Redhill Brook
WR3017 (NGR TQ 2866 6077)	Discharge from settlement lagoon	Redhill Brook

2.2.2.4 The limits for the emissions to water for the parameter(s) and emission point(s) set out in Table 2.2.2a shall not be exceeded.

Table 2.2.2a : Emission limits to water and monitoring

Emission point reference	Parameter	Limit (including Reference Period)	Monitoring frequency	Comments
WR3016	Suspended solids	25 mg/l	Monthly	Dried at 105°C
	Chloride	150 mg/l	Monthly	
	pH	>6 <9	Monthly	
	Oil and grease	20 mg/l	Monthly	
	Volume	9,800 m ³ /day	See condition 2.2.2.7 below	
WR3017	Suspended solids	30 mg/l	Monthly	Dried at 105°C
	Chloride	150 mg/l	Monthly	
	pH	>6 <9	Monthly	
	Oil and grease	20 mg/l	Monthly	
	Volume of wheel-wash effluent	25 m ³ /day	See condition 2.2.2.7 below	

2.2.2.5 Appropriately labelled sample points shall be provided and maintained at National Grid Reference TQ 2866 5077 marked A and NGR TQ 2916 5124 marked B on the Plan reference BU8126/001 so that a representative sample of the emission may be obtained. The Operator shall ensure that all constituents of the emission pass through the said sampling points at all times.

2.2.2.6 The emission discharged shall not, save in an emergency, contain any additives without the prior written approval of the Agency.

2.2.2.7 Details of the time, duration and volume of each emission, together with details of any additives used in those emissions, shall be recorded and the records kept available for inspection by Agency officers at all reasonable times for a period of not less than 4 years.

Emissions to sewer

2.2.2.8 Once operational, emissions from the leachate treatment plant identified on Plan ref. 2/NEQ/03 shall be monitored in accordance with Table 2.2.2b and the emission limit values specified in that Table shall not be exceeded.

2.2.2.9 The Operator shall review the emission limit values, for the parameters listed in Table 2.2.2b, using the first 12 months' monitoring data obtained pursuant to condition 2.2.2.8. The Operator shall submit the reviewed values in writing, to the Agency, for its agreement. If, within 4 weeks of that submission, the Agency has neither agreed the reviewed values in writing, nor given written reason why the values are unacceptable, nor made written request to the Operator for further information in relation to specified matters, the reviewed values shall be deemed to have been agreed by the Agency. Once agreed or deemed to have been agreed, in writing, Table 2.2.2b shall be read as if it contained the values determined in accordance with this condition and the monitoring frequency shall be changed to quarterly.

2.2.2.10 The Operator shall submit to the Agency, for its agreement, proposals for the methods of monitoring emissions from the leachate treatment plant to sewer. These proposals shall be submitted with the Leachate Management Plan required by Item 3 of condition 1.3.1. If, within 4 weeks of submission to it of the monitoring proposals, the Agency has neither agreed the monitoring proposals in writing, nor given written reason why the proposals are unacceptable, nor made written request to the Operator for further information in relation to specified matters, the proposals shall be deemed to have been agreed by the Agency.

Permit and Introductory note: the PPC Regulations
Operating conditions

Table 2.2.2b Limits for emissions from effluent treatment plant to sewer

Parameter	Disposal Point	Emission Limit Value	Monitoring frequency	Monitoring Method
Settleable Solids	Sewer	1000 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Chemical Oxygen Demand	Sewer	2500 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Saponifiable Oil or Grease	Sewer	300 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Unsaponifiable Oil or Grease	Sewer	50 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Sulphide	Sewer	1 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Ammoniacal Nitrogen	Sewer	35 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Sulphate	Sewer	1800 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Rapidly Settleable Solids	Sewer	100 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Phosphate	Sewer	3 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Chromium	Sewer	3 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Copper	Sewer	3 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Lead	Sewer	3 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Nickel	Sewer	2 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Silver	Sewer	2 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Zinc	Sewer	3 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Phenol	Sewer	10 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Dissolved Methane	Sewer	0.1 mg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Total Mercury	Sewer	2 µg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Total Cadmium	Sewer	5 µg/l	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
gamma-Hexachlorocyclohexane	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
DDT	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Pentachlorophenol and its compounds	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10

Permit and introductory note: the PPC Regulations
 Operating conditions

Table 2.2.2b Limits for emissions from effluent treatment plant to sewer

Parameter	Disposal Point	Emission Limit Value	Monitoring frequency	Monitoring Method
Hexachlorobenzene	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Hexachlorobutadiene	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Aldrin	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Dieldrin	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Endrin	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Carbon Tetrachloride	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Polychlorinated Biphenyls	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Dichlorvos	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
1, 2-Dichloroethane	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Trichlorobenzene	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Atrazine	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Simazine	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Tributyl tin compounds	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Triphenyl tin compounds	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Trifluralin	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Fenitrothion	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Azinphos-methyl	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Malathion	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10
Endosulfan	Sewer	Limited to background concentrations	Monthly	As agreed by the Agency in accordance with Condition 2.2.2.10

2.2.3 Emissions to groundwater

- 2.2.3.1 Within 12 months of the date of grant of this permit, new groundwater monitoring boreholes shall be installed at locations identified for new upgradient and downgradient monitoring wells in Figure 2.19 of the (June 2003) Pateson Court North East Quadrant Landfill Risk Assessment report by Environmental Simulations international Limited. Details of the design and installation methodology shall be submitted to the Agency in writing. No additional groundwater boreholes shall be installed until the design and installation methodology has been agreed in writing by the Agency.
- 2.2.3.2 No emission of any substance in List I (as defined by the Groundwater Regulations 1998) contrary to those Regulations shall arise from the Site.
- 2.2.3.3 No emission of any substance in List II (as defined by the Groundwater Regulations 1998) shall arise from the Site so as to cause pollution (as defined in those Regulations).
- 2.2.3.4 The Operator shall carry out monitoring of the parameters listed in Tables 2.2.3a, b & c at the following boreholes – H90/1 Deep, H90/1 Shallow, H90/2 Deep, H90/2 Shallow H90/3 Deep, H90/3 Shallow H90/4 Deep, H90/4 Shallow H90/6 Deep, H90/6 Shallow, H90/7, H90/8, H98/5B, H98/GWA Deep, H98/GWA Shallow, H98/GWB, H98/GWC Deep, H98/GWC Shallow and all additional boreholes as identified on Figure 2.19 referred to in condition 2.2.3.1 and at frequencies not less than those specified in those Tables.
- 2.2.3.5 The trigger levels for emissions into groundwater for the parameter(s) and monitoring point(s) set out in Tables 2.2.3a, b & c shall not be exceeded at any time when hydraulic containment cannot be demonstrated.

Table 2.2.3a: The trigger levels for emissions into groundwater

Parameters	Monitoring Point for monthly monitoring				
	H90/4 deep	H90/4 shallow	H98/ GWB	H98/GWC deep	H98/GWC shallow
Level (mAOD)	-	-	-	-	-
pH	-	-	-	-	-
Electrical conductivity ($\mu\text{S/cm}$)	-	-	-	-	-
Chemical oxygen demand (mg/l)	-	-	-	-	-
Biochemical oxygen demand (mg/l)	-	-	-	-	-
Dissolved oxygen (%)	-	-	-	-	-
Temperature ($^{\circ}\text{C}$)	-	-	-	-	-
Ammoniacal nitrogen (mg/l)	1.9	1.9	1.9	1.9	1.9
Chloride (mg/l)	250	250	250	250	250
Nickel (mg/l)	0.14	0.14	0.14	0.14	0.14
Potassium (mg/l)	16	16	16	16	16

Table 2.2.3b: The trigger levels for emissions into groundwater

Parameters	Monitoring Point for quarterly monitoring				
	H90/4 deep	H90/4 shallow	H98/ GWB	H98/GWC deep	H98/GWC shallow
Total Organic Carbon (mg/l)	-	-	-	-	-
Alkalinity (mg/l)	-	-	-	-	-
Calcium (mg/l)	-	-	-	-	-
Magnesium (mg/l)	-	-	-	-	-
Sulphate (mg/l)	-	-	-	-	-

Table 2.2.3b: The trigger levels for emissions into groundwater

Parameters	Monitoring Point for quarterly monitoring				
	H90/4 deep	H90/4 shallow	H98/ GWB	H90/GWC deep	H98/GWC shallow
Nitrate (mg/l)	-	-	-	-	-
Nitrite (mg/l)	-	-	-	-	-
Total Organic Nitrogen (mg/l)	-	-	-	-	-
Phosphate (mg/l)	-	-	-	-	-
Iron (mg/l)	-	-	-	-	-
Zinc (mg/l)	-	-	-	-	-
Cadmium (mg/l)	0.03	0.03	0.03	0.03	0.03
Lead (mg/l)	-	-	-	-	-
Arsenic (mg/l)	-	-	-	-	-
Chromium (mg/l)	-	-	-	-	-
Copper (mg/l)	-	-	-	-	-

Table 2.2.3c: The trigger levels for emissions into groundwater

Parameters	Monitoring Point for Annual monitoring				
	H90/4 deep	H90/4 shallow	H98/ GWB	H98/GWC deep	H98/GWC shallow
Mecoprop (µg/l)	0.04	0.04	0.04	0.04	0.04
Tributyltin oxide (µg/l)	0.001	0.001	0.001	0.001	0.001

2.2.3.6 Within 15 months of the completion of the boreholes installed in accordance with condition 2.2.3.1, the first 12 months data from the new boreholes shall be reviewed alongside the available data from the monitoring boreholes identified in condition 2.2.3.4. The status of the new boreholes shall be determined to be upstream or downstream. Trigger Levels shall be set for all new and previously existing downstream groundwater monitoring boreholes and Control Levels set for all groundwater monitoring boreholes. The Control and Trigger Levels shall be submitted to the Agency for agreement within 15 months of the completion of the boreholes installed in accordance with condition 2.2.3.1. Once agreed, Tables 2.2.3a, b & c shall be read as though they contained reference to all downstream groundwater monitoring boreholes and to the Trigger Levels agreed in the most recent review.

Monitoring data shall be reviewed as part of any review of the Hydrogeological Risk Assessment submitted in accordance with condition 2.2.3.7, and Tables 2.2.3a, b & c shall be read as though they contained reference to the Trigger Levels agreed in the most recent review.

Monitoring data shall be reviewed within 3 months of any confirmed breach of a Control or Trigger Level or any significant change to the hydrogeological setting and shall be submitted to the Agency within 1 month of its completion. Where appropriate, revised Control and Trigger Levels shall be submitted to the Agency for its agreement. Once agreed, Tables 2.2.3a, b, & c shall be read as though they contained reference to the Trigger Levels agreed by the Agency following that review.

- 2.2.3.7 The Operator shall submit to the Agency a review of the Hydrogeological Risk Assessment:
- (a) between 9 and 6 months prior to the fourth anniversary of the granting of the Permit; and
 - (b) between 9 and 6 months prior to every subsequent 4 years after the fourth anniversary of the granting of the permit.

2.2.4 Fugitive emissions of substances excluding odour and noise

- 2.2.4.1 Fugitive emissions of substances (excluding odour and noise) shall not cause pollution, unless the Operator can show that he has used appropriate measures to prevent or where that is not practicable, to minimise, those emissions.
- 2.2.4.2 All containers holding liquids whose emission to water or land could cause pollution shall be located within bunded areas that will capture and prevent the spread of any spillage or leakage.
- 2.2.4.3 All areas other than areas of basal and side wall containment engineering, where the spillage or leakage of liquids could cause pollution, shall be identified and their surfacing and drainage shall capture and prevent the spread of any such spillage or leakage.
- 2.2.4.4 All drainage systems and other subsurface structures, other than basal and sidewall leachate drainage layers, that might contain liquids whose discharge could cause pollution, shall be identified, and shall be designed and operated to minimise the risk of undetected leakage and accidental contamination.
- 2.2.4.5 The Operator shall carry out monitoring of the parameters listed in that Schedule at the specified monitoring locations and at least at the frequencies specified in that Schedule

Table S7.7: Landfill gas from capped surfaces - limits and monitoring requirements

Monitoring point Ref. /description	Parameter	Monitoring frequency	Monitoring Standard or method
Permanently capped zone	Average Methane flux	Annually	Flux Box
Temporarily capped zone	Average Methane flux	Annually	Flux Box

2.2.5 Litter

- 2.2.5.1 No litter shall escape from the NEQ except that the Operator shall not be taken to have breached this condition if it has complied with its responses to Parts 2.3.76-2.3.78 of the Application, and such litter has been removed by the end of the next working day.

2.2.6 Odour

- 2.2.6.1 In furtherance of the objective of ensuring that measures are taken to prevent or where that is not practicable to reduce odorous emissions from the NEQ, the Operator shall prepare and submit to the Agency an Odour Management Plan.
- 2.2.6.2 The NEQ shall not cause nuisance by offensive odour outside of the Site boundary as perceived by an authorised officer of the Agency except that the Operator shall not be taken to have breached this condition if the Operator has complied with the Odour Management Plan for the NEQ that has been prepared and submitted to the Agency.

2.2.7 Emissions to Land

Subsurface landfill gas

- 2.2.7.1. The Operator shall carry out subsurface landfill gas emissions monitoring as specified in Table 2.2.7. Management levels for methane and carbon dioxide, where not set in Table 2.2.7 shall be submitted in writing to the Agency by 31 December 2006 for agreement. Once agreed Table 2.2.7 shall be read as if it contained the values agreed under this condition.

Emission point reference/description	Parameter	Management Levels	Frequency
NEQ (drawing reference 9/NEQ/03) East including Chilmead Farm, G90/51, 55, 58, 62	Methane	To be agreed	Monthly
	Carbon Dioxide	To be agreed	Monthly
NEQ (drawing reference 9/NEQ/03) West, G90/62 & 69	Methane	1.0%	Monthly
	Carbon Dioxide	5.0%	Monthly
All other Gas Monitoring boreholes around the NEQ boundary identified on drawing reference 9/NEQ/03	Methane	1.0%	Monthly
	Carbon Dioxide	5.0%	Monthly

2.2.8 Leachate

- 2.2.8.1 The leachate levels within the NEQ shall be monitored at monthly intervals at the locations identified in Table 2.2.8 and in the boreholes required by condition 1.4.2.1, following construction of those wells. The head of leachate shall not be permitted to exceed 1.0 metre above the base of any contained cell during the operational and post operational managed phase.
- 2.2.8.2 Following construction of leachate wells, at the monitoring points identified in Table 2.2.8 and in the boreholes required by condition 1.4.2.1, the leachate quality at these locations shall be monitored in accordance with Table S.2 and at least once during the reporting period specified therein for each parameter. The target levels for the annual average leachate composition 50 years after the end of filling, at the latest, shall be no more than 150mg/l for ammoniacal nitrogen and no more than 399mg/l for chloride.

Table 2.2.8: Monitoring points for leachate

Monitoring Point – Plan Reference 9/NEQ/03

83313001 – 83313012, 83313101, 83313102, 83313201, 83313202, 83313203, 83313401, 83313402, 83313403, 83313404, 83313501, 83313502 and 83313503

2.3 Management (and Fit and Proper Person for Specified Waste Management Activities (SWMAs)).

- 2.3.1 The NEQ shall be managed and operated
- compatibly with the Operator's environmental management system established in accordance with ISO14001; and
 - by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the permitted activities.
- 2.3.2 Records demonstrating compliance with condition 2.3.1 shall be maintained.
- 2.3.3 Any person having duties at the Site which are or may be affected by the matters set out in the Permit shall have convenient access to a copy of the Permit at the Site.

Fit and Proper Person

- 2.3.4 Where Regulation 4 of the PPC Regulations applies to a relevant activity/associated activity carried on at the Site, as authorised under condition 1.1.1:

- 2.3.4.1 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.
- 2.3.4.2 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
- 2.3.4.3 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
- 2.3.4.4 Financial provision for meeting the obligations under this Permit 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.
- 2.3.4.5 The Operator shall ensure that the charges it makes for the disposal of waste in the landfill cover all of the following:
- (a) the costs of setting up and operating the landfill;
 - (b) the costs of the financial provision required by condition 2.3.4.4. and
 - (c) the estimated costs for the closure and after-care of the landfill site for a period of at least 30 years.

2.4 Energy Efficiency

- 2.4.1 The Operator shall
- (a) by 31st January each year (or such other date agreed by the Agency in writing) record in the format set out in Table S4.1, the electrical energy consumed and generated at the site over the previous calendar year;
 - (b) review and record at least every 3 years whether there are suitable opportunities to improve the energy efficiency of the Site including the utilisation of landfill gas; and
 - (c) implement any appropriate measures identified by 31 January the year following (or such other date agreed by the Agency in writing).

2.5 Accident prevention and control

- 2.5.1 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 2.4.4 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.

2.6 Noise and Vibration

- 2.6.1 In furtherance of the objective of ensuring that measures are taken to reduce noise and vibration emanating from the Site, the Operator shall prepare and submit to the Agency by 31 May 2006 a Plan for the Management of Noise and Vibration.

2.7 On Site Monitoring

- 2.7.1 Unless otherwise agreed in writing by the Agency, the Operator shall maintain and implement a 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 Tables 2.2.1a, 2.2.2a, 2.2.2b, 2.2.3a, 2.2.3b, 2.2.3c, 2.2.7 and Table S.2; and, that leachate is monitored at the locations specified in Table 2.2.8, for the parameters specified in Table S.2, and as provided for by conditions 2.2.8.1 and 2.2.8.2; and, that the results of such monitoring are assessed. The programme shall ensure that the monitoring is carried out under a representative range of operating conditions.
- 2.7.2 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.
- 2.7.3 The Operator shall maintain for 4 years records of all monitoring required under this permit to be 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 by the Operator.

2.8 Closure, Aftercare and Decommissioning

- 2.8.1 The Operator shall maintain and operate all activities so as to prevent or where that is not practicable, to minimise any pollution risk on closure and decommissioning.
- 2.8.2 The Operator shall maintain a Site Closure Plan which demonstrates how permitted activities can be decommissioned to avoid any pollution risk and return the site of operation to a satisfactory state.
- 2.8.3 The Operator shall carry out and record a review of the Site Closure Plan at least every 4 years
- 2.8.4 The Site Closure Plan (or relevant part thereof) shall be implemented on receipt of notice in writing from the Agency approving definitive closure of the activity of landfilling of waste at the Site or part thereof.

2.9 Multiple Operator installations

- 2.9.1 This is not a multi-Operator installation.

2.10 Transfer to effluent treatment plant

- 2.10.1 Transfers to the effluent treatment plant shall occur only from the points specified in Table 2.10.1 and transfers from those points shall arise only from the sources and shall be released only to the treatment plant specified in that Table.

Table 2.10.1 Transfer points to effluent treatment plant

Transfer point description/identifier	Source	Effluent Treatment Plant
Leachate extraction wells identified on drawing ref: 9/NEQ/03; and Leachate extraction wells identified on drawing ref: 9/SWA/03	The NEQ Phases 1 - 5, and the SWA Landfill Area identified under Permit No. BV2263	Treatment Plant identified on Plan ref: 2/NEQ/03

3 Records

- 3.1.1 The Operator shall ensure that all records required to be made by this Permit in relation to the operation of the permitted activities shall:-
 - 3.1.1.1 be made available for inspection by the Agency at any reasonable time
 - 3.1.1.2 be supplied to the Agency on demand and without charge
 - 3.1.1.3 be legible
 - 3.1.1.4 be made as soon as reasonably practicable
 - 3.1.1.5 indicate any amendments which have been made and shall include the original record wherever possible; and
 - 3.1.1.6 be retained at the Site , 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 2.7, as follows:
 - 4.1.2.1 in respect of the parameters and emission points specified in Table S.2 of Schedule 2;
 - 4.1.2.2 for the reporting periods specified in Table S.2 of Schedule 2 and using the forms specified in Table S3 of Schedule 3;
 - 4.1.2.3 giving the information from such results and assessments as may be required by the forms specified in those Tables; and
 - 4.1.2.4 to the Agency within 28 days of the end of the reporting period.
- 4.1.3 The Operator shall submit to the Agency, by 31 January each year, a performance report for the Site, which provides the information listed in Table S4.1 of Schedule 4.
- 4.1.4 The Operator shall, within 6 months of receipt of a written notice from the Agency, submit to the Agency a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution at the Site.
- 4.1.5 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.

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 as not to be exceeded;
- 5.1.1.2 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; and
- 5.1.1.3 any accident which has caused, is causing or has the potential to cause significant pollution.
- 5.1.1.4 the refusal or rejection of incoming waste for reasons relating to the requirements of this permit
- 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 the 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; and
- 5.1.2.3 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 following matters to the Agency in writing within 14 days of their occurrence, save where otherwise in breach of Stock Exchange Rules:
- 5.1.4.1 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;
- 5.1.4.2 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.
- 5.1.4.3 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.

"Authorised Officer" means any person authorised by the 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.

"Background concentration" (applicable only in relation to emissions to sewer) 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 activities use no significant amount of supplied or abstracted water, the precipitation onto the Site, or groundwater quality up-gradient of the Site, or surface water quality up-gradient of the Site.

"Confirmed breach" of a control or trigger level means that a monitoring sample has led to the level being exceeded and that a repeat sample, taken within one week of the first sample, has also led to the level being exceeded.

"Control Level" means a test of the significance of a deviation from baseline groundwater conditions, which is used to indicate whether a landfill is performing as designed and should be regarded as an early warning system to enable appropriate investigation or corrective measures to be implemented.

"Fugitive emission" means an emission to air or water (including sewer) from the Site which is not provided for otherwise in 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.

"The Landfill Regulations" means the Landfill (England and Wales) Regulations 2002 and words and expressions used in this Permit which are also used in the Regulations shall have the same meanings as in those Regulations when used in this Permit.

"Management Level" – means a level of emissions above which the Operator shall investigate the cause of such elevated readings (if sustained in a statistically significant manner) with a view to instituting so far as practicable such corrective action with regard to emissions shown to be from the NEQ as will result in the emission levels falling back within the levels set.

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

"NEQ" – North East Quadrant, shown as the installation area on Patteson Court North East Quadrant Landfill Site ("Installation Environmental Context") drawing no. 2/NEQ/03 dated 22 May 2003.

"PPC Regulations" means the Pollution, Prevention and Control (England and Wales) Regulations 2000 and words and expressions used in this permit shall have the same meanings as in those Regulations.

Interpretation

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

"SWA" – South West Area, shown as the installation area on Patteson Court South West Area Landfill Site ("Installation Environmental Context") drawing no. 2/SWA/03 dated 22 May 2003 under permit no. BV2263.

"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 for flares of 3% and for engines of 5% 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

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.

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	BU8126
Name of Operator	Biffa Waste Services Limited
Location of Installation	Redhill Landfill (North East Quadrant) Comongers Lane Nutfield Redhill Surrey RH1 4ER
Location of the emission	
Time and date of the emission	

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

Measures taken, or intended to be taken, to stop the emission	
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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 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 Biffa Waste Services 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 S.2: Reporting of monitoring data			
Parameter	Monitoring point	Reporting period	Period begins
Suspended solids	WR3016 and WR3017	Quarterly	Date of grant of permit
Chloride	WR3016 and WR3017	Quarterly	Date of grant of permit
pH	WR3016 and WR3017	Quarterly	Date of grant of permit
Oil and grease	WR3016 and WR3017	Quarterly	Date of grant of permit
Volume	WR3016 and WR3017	Quarterly	Date of grant of permit
Volume from wheel wash	WR3017	Quarterly	Date of grant of permit
Level (mAOD)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
pH	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Electrical conductivity ($\mu\text{S}/\text{cm}$)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Chemical oxygen demand (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Biochemical oxygen demand (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Dissolved oxygen (%)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Temperature ($^{\circ}\text{C}$)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Ammoniacal nitrogen (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Chloride (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Nickel (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Potassium (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Methane	Landfill Gas Monitoring boreholes, on plan reference 9/NEQ03	Monthly	Date of grant of permit
Carbon Dioxide	Landfill Gas Monitoring boreholes, on plan reference 9/NEQ03	Monthly	Date of grant of permit
Total Organic Carbon (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Alkalinity (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Calcium (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Magnesium (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Sulphate (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Nitrate (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Nitrite (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Total Organic Nitrogen (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Phosphate (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Iron (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Zinc (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Cadmium (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Lead (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit

Table S.2: Reporting of monitoring data

Parameter	Monitoring point	Reporting period	Period begins
Arsenic (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Chromium (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Copper (mg/l)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Mecoprop ($\mu\text{g/l}$)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Tributyltin oxide ($\mu\text{g/l}$)	Groundwater boreholes referred to in condition 2.2.3.4	Annually	Date of grant of permit
Level (mAOD)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
pH	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Electrical conductivity ($\mu\text{S/cm}$)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Chemical oxygen demand (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Biochemical oxygen demand (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Dissolved oxygen (%)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Temperature ($^{\circ}\text{C}$)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Ammoniacal nitrogen (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Chloride (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Nickel (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Potassium (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Total Organic Carbon (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Alkalinity (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From date of infilling in relevant cell
Calcium (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Magnesium (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Sulphate (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From date of infilling in relevant cell
Nitrate (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Nitrite (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Total Organic Nitrogen (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Phosphate (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell

Table S.2: Reporting of monitoring data			
Parameter	Monitoring point	Reporting period	Period begins
Iron (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Zinc (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Cadmium (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Lead (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Arsenic (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Chromium (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Copper (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1	Quarterly	From commencement of infilling in relevant cell
Organo halogen compounds (ng/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1 Groundwater boreholes referred to in condition 2.2.3.4	Annually	From commencement of infilling in relevant cell
Organo phosphorous compounds (µg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1 Groundwater boreholes referred to in condition 2.2.3.4	Annually	From commencement of infilling in relevant cell
Organo tin compounds (ng/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1 Groundwater boreholes referred to in condition 2.2.3.4	Annually	From commencement of infilling in relevant cell
Mercury compounds (µg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1 Groundwater boreholes referred to in condition 2.2.3.4	Annually	From commencement of infilling in relevant cell
Cadmium compounds (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1 Groundwater boreholes referred to in condition 2.2.3.4	Annually	From commencement of infilling in relevant cell
Mineral oils and hydrocarbons (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1 Groundwater boreholes referred to in condition 2.2.3.4	Annually	From commencement of infilling in relevant cell
Cyanide (mg/l)	Leachate points identified on drawing ref. 9/NEQ/03 and required by Condition 1.4.2.1 Groundwater boreholes referred to in condition 2.2.3.4	Annually	From commencement of infilling in relevant cell
Oxides of nitrogen	Monitoring Points A3 - A4	Annually	From commencement of infilling in relevant cell
Hydrogen chloride	Monitoring Points A3 - A4	Annually	From commencement of infilling in relevant cell
Hydrogen fluoride	Monitoring Points A3 - A4	Annually	From commencement of infilling in relevant cell
Carbon monoxide	Monitoring Points A3 - A4	Annually	From commencement of infilling in relevant cell
Sulphur dioxide	Monitoring Points A3 - A4	Annually	From commencement of infilling in relevant cell

Table S.2: Reporting of monitoring data			
Parameter	Monitoring point	Reporting period	Period begins
Carbon dioxide	Monitoring Points A3 - A4	Annually	From commencement of infilling in relevant cell
Total hydrocarbons	Monitoring Points A3 - A4	Annually	From commencement of infilling in relevant cell
Particulates	Monitoring Point A4	Annually	From commencement of infilling in relevant cell
Chemical oxygen demand	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Settleable Solids	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Saponifiable Oil or Grease	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Unsaponifiable Oil or Grease	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Sulphide	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Ammoniacal - Nitrogen	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Sulphate	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Rapidly Settleable Solids	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Phosphate	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Chromium	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Copper	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Lead	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Nickel	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Silver	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Phenol	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Zinc	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Dissolved Methane	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Total Mercury	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Total Cadmium	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
gamma-Hexachlorocyclohexane	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant

Permit and Introductory note: IPPC Regulations 2000/1973
 Schedule 2 - Reporting of monitoring data

Table S.2: Reporting of monitoring data			
Parameter	Monitoring point	Reporting period	Period begins
DDT	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Pentachlorophenol and its compounds	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Hexachlorobenzene	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Hexachlorobutadiene	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Aldrin	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Dieldrin	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Endrin	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Carbon Tetrachloride	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Polychlorinated Biphenyls	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Dichlorvos	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
1,2-Dichloroethane	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Trichlorobenzene	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Atrazine	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Simazine	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Tributyl tin compounds	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Triphenyl tin compounds	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Trifluralin	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Fenitrothion	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Azinphos-methyl	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Malathion	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant
Endosulfan	Point of discharge to foul sewer	Quarterly	Date of operation of leachate treatment plant

Schedule 3 - Forms to be used

Unless otherwise agreed in writing between Agency and the Operator, the following Agency forms are to be used for reports submitted to Agency.

Media/parameter	Form Number	Date of Form
Controlled Water	W1	25/04/03
Surface Water	None Provided. Reporting format to be agreed in writing with the Agency.	
Groundwater	None Provided. Reporting format to be agreed in writing with the Agency.	
Landfill Gas	None Provided. Reporting format to be agreed in writing with the Agency.	
Landfill Body	None provided. Reporting format to be agreed in writing with the Agency.	
Waste Return	None provided. Reporting format to be agreed in writing with the Agency.	

Schedule 4 - Reporting of performance data

Data required to be recorded and reported by Condition 2.4.1 and 4.1.3

Table S4.1: Energy generation and consumption

	Frequency of assessment	Annual Total MW of electricity	
Electrical energy			

Schedule 5 - Site Plan

Patteson Court North East Quadrant Landfill Site ("Installation Environmental Context"), Drawing No. 2/NEQ/03 dated 22 May 2003.

END OF PERMIT

Standard rules SR2009No5 - inert and excavation waste transfer station

Introductory note

This introductory note does not form part of these standard rules

When referred to in an environmental permit, these rules will allow the operator to operate an Inert and Excavation Waste Transfer Station at a specified location, provided that the permitted activities are not carried out within 200 metres of a European Site¹, Ramsar site or a Site of Special Scientific Interest (SSSI); or within 250metres of the presence of Great Crested Newts where it is linked to the breeding ponds of the newts by good habitat. The activities shall not be carried out within 50m of any well spring or borehole used for the supply of water for human consumption. This must include private water supplies

Permitted wastes do not include hazardous wastes such as asbestos. The total quantity of waste that can be accepted at a site under these rules must be less than 250,000 tonnes a year. Wastes can be bulked up for disposal or recovery elsewhere and can be manually sorted or separated for recovery but these rules will not allow any waste treatment activities such as screening and crushing. These rules will also not permit the burning of any wastes, either in the open, inside buildings or in any form of incinerator.

These rules do not allow any point source emission into surface waters or groundwater. However, under the emissions of substances not controlled by emission limits rule:

- Liquids may be discharged into a sewer subject to a consent issued by the local water company.
- Liquids may be taken off-site in a tanker for disposal or recovery.
- Clean surface water from roofs, or from areas of the site that are not being used in connection with storing and treating waste, may be discharged directly to surface waters, or to groundwater by seepage through the soil via a soakaway.

This permit allows waste recovery activities. Please note that any processed materials will continue to be regulated as waste until they meet the end of waste test in accordance with Article 6 of Directive 2008/98/EC. You can demonstrate that you have met the end of waste tests by either:

- a) meeting all the criteria set out in any relevant and applicable EU End of Waste regulations; or
- b) a case by case assessment taking into account the applicable case law, which includes meeting all the requirements of a relevant and applicable Quality Protocol or Defined Industry Code of Practice (e.g. CL:AIRE Development Industry CoP)

¹ A candidate or Special Area of Conservation (cSAC or SAC) and proposed or Special Protection Area (pSPA or SPA) in England and Wales.

End of introductory note

Rules

1 – Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with rule 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in these standard rules shall have convenient access to a copy of them kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Avoidance, recovery and disposal of wastes produced by the activities

- 1.2.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 – Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in table 2.1 below ("the activities").

Table 2.1 activities	
Description of activities	Limits of activities
<p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>D14: Repackaging prior to submission to any of the operations numbered D1 to 13</p> <p>D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R5: Recycling/reclamation of other inorganic materials</p>	<p>Treatment consisting only of manual sorting or separation of waste into different components for disposal, (no more than 50 tonnes per day) or recovery.</p>

2.2 Waste acceptance

2.2.1 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in table 2.2 below; and
- (b) it conforms to the description in the documentation supplied by the producer and holder holder; and
- (c) any excavated soil from known or suspected contaminated sites (established as a result of visual inspection or from knowledge of the origin of the waste) is accompanied by prior chemical analysis establishing the type and degree of contamination.

Table 2.2. Waste types and quantities	
Maximum Quantities	
The total quantity of waste accepted at the site shall be less than 250,000 tonnes a year.	
Exclusions	
Wastes having any of the following characteristics shall not be accepted:	
<ul style="list-style-type: none"> • Consisting solely or mainly of dusts, powders or loose fibres • Wastes that are in a form which is either sludge or liquid 	
Waste Code	Description

17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	Concrete
17 01 02	Bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 02	Glass
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 08	track ballast other than those mentioned in 17 05 07
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

2.3 Operating techniques

- 2.3.1 The activities shall be operated using the techniques and in the manner described in Table 2.3 below.

Table 2.3 Operating techniques

1. Waste shall be stored and treated on hard standing or on an impermeable surface with sealed drainage system.

2.4 The site

- 2.4.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan attached to the permit.
- 2.4.2 The activities shall not be carried out within 200 metres of a European Site or a SSSI.
- 2.4.3 The activities shall not be carried out within 50m of any well spring or borehole used for the supply of water for human consumption. This must include private water supplies.
- 2.4.4 The permitted activities must not be carried out within 250 metres of the presence of Great Crested Newts where it is linked to the breeding ponds of the newts by good habitat.

3 – Emissions and monitoring

3.1 Emissions of substances not controlled by emission limits

- 3.1.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this rule if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

-
- 3.1.2 The operator shall:
- (a) maintain and implement an emissions management plan;
 - (b) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, a revised emissions management plan;
 - (c) implement any approved revised emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.1.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.2 Odour

- 3.2.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable, to minimise, the odour.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.3 Noise and vibration

- 3.3.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan, to prevent or where that is not practicable, to minimise, the noise and vibration.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 – Information

4.1 Records

- 4.1.1 All records required to be made by these standard rules shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and

(ii) matters which affect the condition of land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by these standard rules, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by these standard rules to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

4.3.1 The Environment Agency shall be notified without delay following the detection of:

- (a) any malfunction, breakdown or failure of equipment or techniques, accident or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
- (b) the breach of a limit specified in these standard rules; or
- (c) any significant adverse environmental effects.

4.3.2 Written confirmation of actual or potential pollution incidents and breaches of emission limits shall be submitted within 24 hours.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters except where such disclosure is prohibited by Stock Exchange rules:

- a) Where the operator is a registered company:
 - any change in the operator's trading name, registered name or registered office address; and
 - any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- b) Where the operator is a corporate body other than a registered company:
 - any change in the operator's name or address; and
 - any steps taken with a view to the dissolution of the operator.
- c) 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) and
 - 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.

4.4 Interpretation

4.4.1 In these standard rules the expressions listed below shall have the meaning given.

4.4.2 In these standard rules references to reports and notifications mean written reports and notifications, except when reference is being made to notification being made "without delay", in which case it may be provided by telephone.

"accident" means an accident that may result in pollution.

"Annex IIA" means Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 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.

"D" means a disposal operation provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"emissions of substances not controlled by emission limits" means emissions of substances to air, water or land from the activities, either from emission points specified in these standard rules or from other localised or diffuse sources, which are not controlled by an emission limit.

"European Site" means Special Area of Conservation or candidate Special Area of Conservation or Special Protection Area or proposed Special Protection Area in England and Wales, within the meaning of Council Directives 79/409/EEC on the conservation of wild birds and 92/43/EEC on the conservation of natural habitats and of wild flora and fauna and the Conservation (Natural Habitats &c) Regulations 1994. Internationally designated Ramsar sites are dealt with in the same way as European sites as a matter of government policy and for the purpose of these rules will be considered as a European Site.

"good habitat" means rough (especially tussocky) grassland, scrub and woodland

"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.

"impermeable surface" means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface, and should be read in conjunction with the term "sealed drainage system" (below).

"pollution" means emissions as a result of human activity which may—

- (a) be harmful to human health or the quality of the environment,
- (b) cause offence to a human sense,
- (c) result in damage to material property, or
- (d) impair or interfere with amenities and other legitimate uses of the environment.

"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 IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

"sealed drainage system" in relation to an impermeable surface, means a drainage system with impermeable components which does not leak and which will ensure that:

- (a) no liquid will run off the surface otherwise than via the system;
- (b) except where they may lawfully be discharged to foul sewer, all liquids entering the system are collected in a sealed sump.

"SSSI" means Site of Special Scientific Interest within the meaning of the Wildlife and Countryside Act 1981 (as amended by the Countryside and Rights of Way Act 2000).

"Waste code" means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk. 'List of Wastes' means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

"year" means calendar year commencing on 1st January.

End of standard rules



Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Ingrebourne Valley Limited
Orsett Quarry Ecological Park
Buckingham Hill Road
Stanford-le-Hope
Thurrock
Essex
SS17 0PP

Permit number

EPR/DB3102UX

Orsett Quarry Ecological Park

Permit number EPR/DB3102UX

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The following schedules constitute a bespoke deposit for recovery permit to allow for the creation of a new Ecological Park and associated mobile screening activity to support the ecological habitat and species relocation programme at Orsett Quarry. The site is centred on National Grid Reference 567128, 180412.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application EPR/DB3102UX/A001	Duly made 22/10/15	Application for a deposit for recovery activity permit.
Additional information received	04/07/16	Materials Acceptance Criteria.
Additional information received	18/08/16	Environmental monitoring plan.
Additional information received	14/10/16	Financial viability statement in support of waste recovery plan.
Permit determined EPR/DB3102UX	09/11/16	Permit issued to Ingrebourne Valley Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/DB3102UX

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

Ingrebourne Valley Limited (“the operator”),

whose registered office is

**Cecil House
Foster Street
Harlow Common
Harlow
Essex
CM17 9HY**

company registration number **02848746**

to operate waste operations at

**Orsett Quarry Ecological Park
Buckingham Hill Road
Stanford-le-Hope
Thurrock
Essex
SS17 0PP**

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

Name	Date
Maria Gibbons	09/11/2016

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Avoidance, recovery and disposal of wastes produced by the activities

- 1.2.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.2.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1, table S1.1 (the 'activities').

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ('plan') specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.4 Waste acceptance

2.4.1 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 2, table S2.1;
- (b) it has been identified as a suitable waste in the approved waste recovery plan;
- (c) its chemical, physical and biological characteristics make it suitable for its intended use on the site; and
- (d) it fulfils the approved waste acceptance criteria; and
- (e) all the approved waste acceptance procedures have been completed; and
- (f) it conforms to the description in the documentation supplied by the producer and holder; and
- (g) It is not waste consisting solely or mainly of dusts, powders or loose fibres; and
- (h) It is not hazardous wastes; and
- (i) It is not waste in liquid form.

2.4.2 The operator shall:

- (a) visually inspect without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the site and waste at the point of deposit; and
- (b) be satisfied that the waste conforms to the requirements of condition 2.4.1.

2.4.3 The total quantity of waste that shall be deposited under the permit shall be limited by the final levels shown on the final levels contour plan referenced in schedule 1 table S1.2.

3 Emissions and monitoring

3.1 Emissions of substances not controlled by emission limits

3.1.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.1.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
- (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.1.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.2 Odour

- 3.2.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.3 Noise and vibration

- 3.3.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Monitoring

- 3.4.1 The operator shall maintain records of all monitoring required by this permit including 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.
- 3.4.2 A topographical survey of the site referenced to ordnance datum shall be carried out and shall be used to produce a plan of a scale adequate to show the surveyed features of the site:
- (a) prior to commencement of the recovery activity; and
 - (b) on completion of the recovery activity to show final waste levels.

3.5 Pests

- 3.5.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.5.2 The operator shall:
- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests;

- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made or, in the case of the following records, until permit surrender:
 - (i) off-site environmental effects;
 - (ii) matters which affect the condition of the land and groundwater; and
 - (iii) waste types and quantities.
 - (iv) the results of groundwater monitoring; and

4.1.2 The operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, date of delivery, origin and the identity of the carrier and producer of any waste that is received for recovery. Any information regarded by the operator as commercially confidential shall be clearly identified in the record.

4.1.3 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.2.3 The operator shall submit the topographical survey plans required by condition 3.5.3 (a) and (b) to the Environment Agency within one month of the completion of the survey.

4.3 Notifications

4.3.1 In the event that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—

- (a) inform the Environment Agency,
- (b) take the measures necessary to limit the environmental consequences of such an incident or accident, and
- (c) take the measures necessary to prevent further possible incidents or accidents;

4.3.2 In the event of a breach of any permit condition the operator must immediately—

- (a) inform the Environment Agency, and

(b) take the measures necessary to ensure that compliance is restored within the shortest possible time.

- 4.3.3 In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.4 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.5 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.6 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (c) any change in the operator's name or address; and
 - (d) any steps taken with a view to the dissolution of the operator.
- In any other case:
- (e) the death of any of the named operators (where the operator consists of more than one named individual);
 - (f) any change in the operator's name(s) or address(es); and
 - (g) 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 of them being in a partnership, dissolving the partnership.
- 4.3.7 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.8 The operator shall notify the Environment Agency in writing:
- (a) at least 14 days before the commencement of the recovery activity;
 - (b) within 14 days of completion of the recovery activity.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made 'immediately', in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities		
Activity Code	Description of activities for waste operations	Limits of activities
A25: Recovery of waste to land.	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Secure storage of wastes listed in table S2.1 for the purpose of recovery. Storage of wastes listed in Table S2.1 shall be limited to three years.
	R5: Recycling/reclamation of other inorganic compounds	Use of waste types specified in table S2.1 for the purposes of construction work and/or restoration, reclamation or improvement of land as detailed in the approved waste recovery plan.
	R10: Land treatment resulting in benefit to agriculture or ecological improvement	
A16: Physical treatment of waste to produce soil, soil substitutes and aggregate.	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Treatment of wastes listed in table 2.1 consisting only of sorting, separation, screening, crushing and blending of waste for recovery as a soil, soil substitute or aggregate.
	R3: Recycling or reclamation of organic substances which are not used as solvents	Secure storage of wastes listed in table 2.1 pending treatment.
	R5: Recycling/reclamation of other inorganic compounds	

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Document(s) provided in response to section 3a – technical standards, Part B4 of the application form. Orsett Quarry Ecological Park: Technical Standards (Report Reference: 63140R4, October 2015)	22/10/2015
Application	Approved waste recovery plan document (reference 63140R3, dated May 2015) in response to section 1c of Part B4 of the application form.	13/05/2015
Application	Final levels contour plan (Drawings 1227 07 and 1227 08 of Appendix E to the approved waste recovery plan document referenced above)	13/05/2015
Application	Waste acceptance criteria (Orsett Quarry Ecological Park Materials Acceptance Procedure – Waste types and Quality considerations dated June 2016).	04/07/2016
Application	Environmental monitoring plan (Orsett Quarry Ecological Park: Groundwater Monitoring Plan. [Document reference 63140TN01 dated August 2016]).	18/08/2016

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Permitted waste types and quantities for use of waste in deposit for recovery	
Maximum quantity	The total quantity of waste accepted at the site shall be less than 470,000 m ³
Waste code	Description
17	CONSTRUCTION AND DEMOLITION WASTES (EXCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics
17 05	soil (excluding excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones (excluding topsoil and peat)
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 05	glass
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones (excluding topsoil and peat)

Schedule 3 – Emissions and monitoring

There are no emission limits or associated monitoring requirements.

Schedule 4 – Reporting

There is no reporting under this schedule.

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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.

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 EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any incident or accident which significantly affects or may significantly affect the environment	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit
To be notified within 24 hours of detection unless otherwise specified below

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

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 which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
--------------	--

Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

‘accident’ means an accident that may result in pollution.

‘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.

‘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.

‘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.

‘ecological improvement’ means providing, maintaining or improving the soils ability to provide a growing medium including for growth of vegetation on landscaping and for recreational and amenity uses.

‘emissions to land’ includes emissions to groundwater.

‘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 limit.

‘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.

‘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.

‘List of Wastes’ means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

‘inert waste’ means waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater

‘pests’ means birds, vermin and insects.

‘quarter’ means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

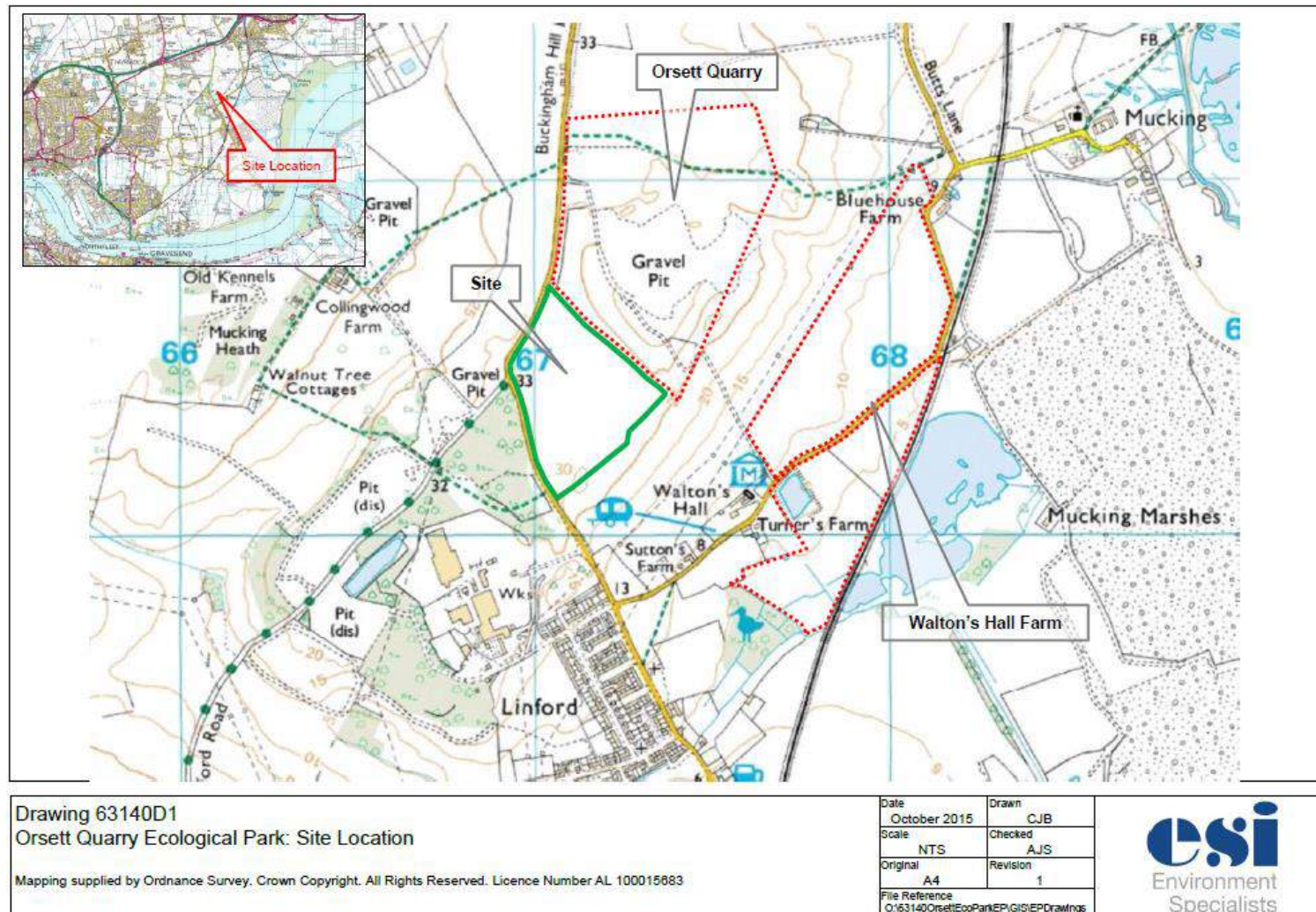
‘R’ means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

‘Waste code’ means the six digit code referable to a type of waste in accordance with the ‘List of Wastes’ 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

Permit number
 EPR/DB3102UX

Permit

The Environmental Permitting (England & Wales) Regulations 2007

Mohawk Wharf

Keltbray AWS Ltd
Bradfield Road
Silvertown
London
E16 2AX

Permit number
EPR/FP3092LH

Permit

The Environmental Permitting (England and Wales) Regulations 2007

Permit

Permit number

EPR/FP3092LH

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2007

Keltbray AWS Limited ("the operator"),

whose registered office (or principal office) is

**Wentworth House
Dormay Street
London
SW18 1EY**

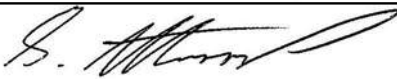
company registration number **04836483**

to operate a standard facility described in standard rules **SR2008No11_75kte** at

**Mohawk Wharf
Bradfield Road
Silvertown
London
E16 2AX**

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

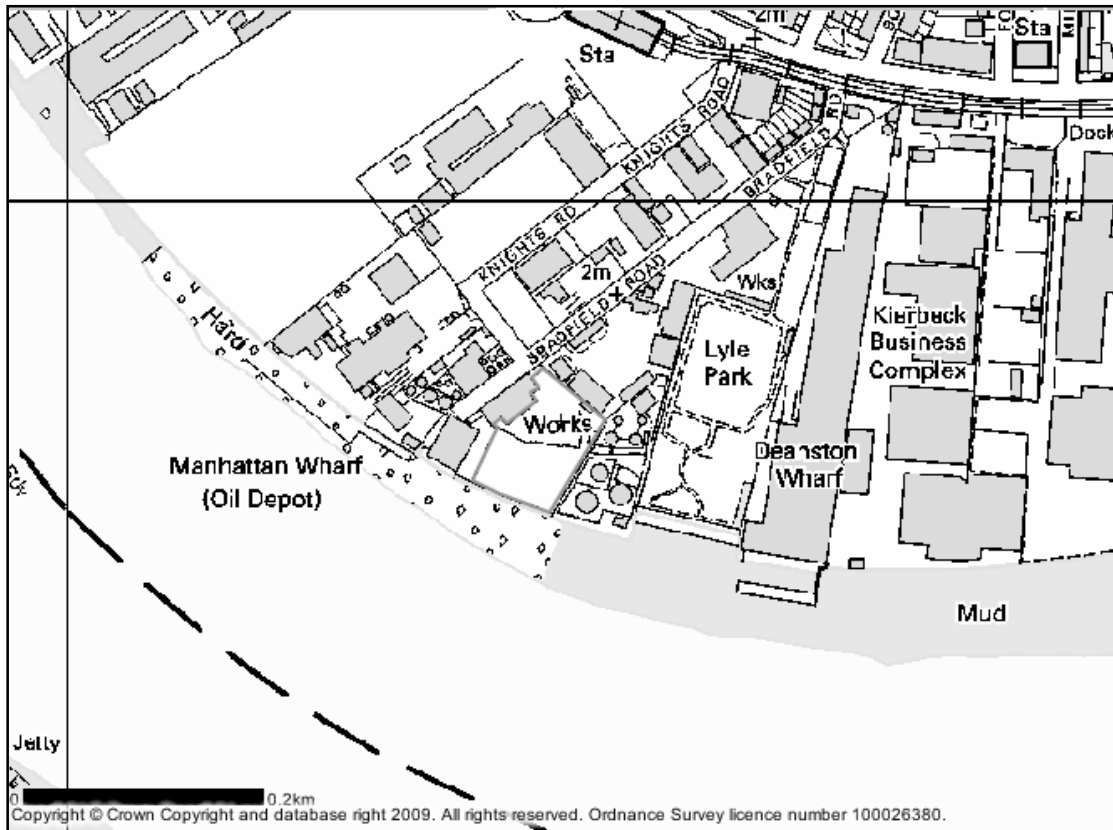
Under regulation 27(2) of the Regulations, standard rules **SR2008No11_75kte** are conditions of this permit.

Name	Date
	11 th December 2009

Authorised on behalf of the Agency

Schedule 1 - Site plan

This is the plan referred to in the standard rules SR2008No11_75kte



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Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Mohawk Wharf Recycling Facility

Keltbray AWS Ltd
Bradfield Road
Silvertown
London
E16 2AX

Variation notice number
EPR/FP3092LH/V002

Permit number
EPR/FP3092LH

Mohawk Wharf Recycling Facility

Permit number EPR/FP3092LH

Introductory note

This introductory note does not form a part of the permit

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations 2010 S.I.2010 No. 675 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility.

This variation is to remove the standard rules conditions and add bespoke conditions to allow 70,000 tonnes a year of hazardous and non-hazardous construction, demolition and excavation (CDE) wastes to be stored until there is sufficient quantity for recycling by AWS Advanced Recovery or treated for disposal in landfill voids or for use as restoration material.

Schedule 1 of this notice lists any deleted conditions, Schedule 2 lists any amended conditions, Schedule 3 lists any conditions that have been added and Schedule 4 shows any changes to the plan.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status Log of the permit

Detail	Date	Response Date
Application EPR/FP3092LH/A001	Duly made 05/10/09	
Permit determined EPR/FP3092LH	11/12/09	
Application EPR/FP3092LH/V002	Duly made 05/10/10	
Additional Information Received		05/11/10
Variation issued	21/12/10	

End of Introductory Note

Notice of variation

Environmental Permitting
(England and Wales) Regulations 2010

Permit number

EPR/FP3092LH

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 (SI 2010 No 675) varies the permit as set out below.

Keltbray AWS Limited ("the operator"),

whose registered office is

**St. Andrew's House
Portsmouth Road
Esher
Surrey
KT10 9TA**


company registration number 04836483

holds a permit to operate a regulated facility at

**Mohawk Wharf
Bradfield Road
Silvertown
London
E16 2AX**

and that permit is varied to the extent set out in Schedules 1 to 4 of this notice.

The notice shall take effect from 21st December 2010

Name	Date
	21 December 2010

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

All

Schedule 2 – conditions to be amended

None

Schedule 3 – conditions to be added

The following conditions are added to the permit

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- (b) If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan specified in schedule 1, table S1.2 or otherwise required under this permit, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

- 2.3.2 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.1; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.

3 Emissions and monitoring

3.1 Emissions of substances not controlled by emission limits

- 3.1.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.1.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.1.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.2 Odour

- 3.2.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.2.3 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.3 Noise and vibration

- 3.3.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

- 4.3.1 The Environment Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;

- (b) the breach of a limit specified in the permit; or
- (c) any significant adverse environmental effects.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) 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 of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities	
Description of activities for waste operations	Limits of activities
<p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>D14: Repackaging prior to submission to any of the operations numbered D1 to 13</p> <p>D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R5: Recycling/reclamation of other inorganic materials</p>	<p>All permitted wastes shall be stored and treated on an impermeable surface with sealed drainage system.</p> <p>All treatment of waste shall be carried out within a building</p> <p>Storage of wastes listed in table S2.1 shall not exceed 10,000 tonnes in total at any one time</p>

Table S1.2 Operating techniques		
Description	Parts	Date Received
Guidance for the recovery and disposal of hazardous and non hazardous waste Ref: S5.06	All	N/A
Hazardous waste Ref: Technical Guidance WM2	All	N/A
Environmental Management Plan	All	05/10/10
Non Technical Summary	All	05/10/10
Process Flow Diagram	All	21/12/10

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Permitted waste types and quantities for storage and treatment of hazardous and non-hazardous construction, demolition and excavation (CDE) wastes	
Maximum quantity	The total quantity of waste accepted at the site shall be less than 70,000 tonnes a year.
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 05	drilling muds and other drilling wastes
01 05 05*	oil-containing drilling muds and wastes
01 05 06*	drilling muds and other drilling wastes containing dangerous substances
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 02	glass
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing dangerous substances
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 05*	dredging spoil containing dangerous substances
17 05 07*	track ballast containing dangerous substances
17 05 08	track ballast other than those mentioned in 17 05 07
17 09	other construction and demolition wastes
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing dangerous substances
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 on site plan in schedule 7 emission : Site runoff to sewer via interceptor	None set	Site runoff to sewer via interceptor	No Limit set	None specified		

Schedule 4 - Reporting

There is no reporting under this schedule.

Schedule 5 - Notification

These pages outline the information that the operator must provide.

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.

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 EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection
--

Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit
--

To be notified within 24 hours of detection unless otherwise specified below

Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B - to be submitted as soon as practicable

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 which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Keltbray AWS Ltd

Schedule 6 - Interpretation

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

“Annex IIA” means Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“annually” means once every year.

“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.

“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.

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“D” means a disposal operation provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“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..

“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.

“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.

“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).

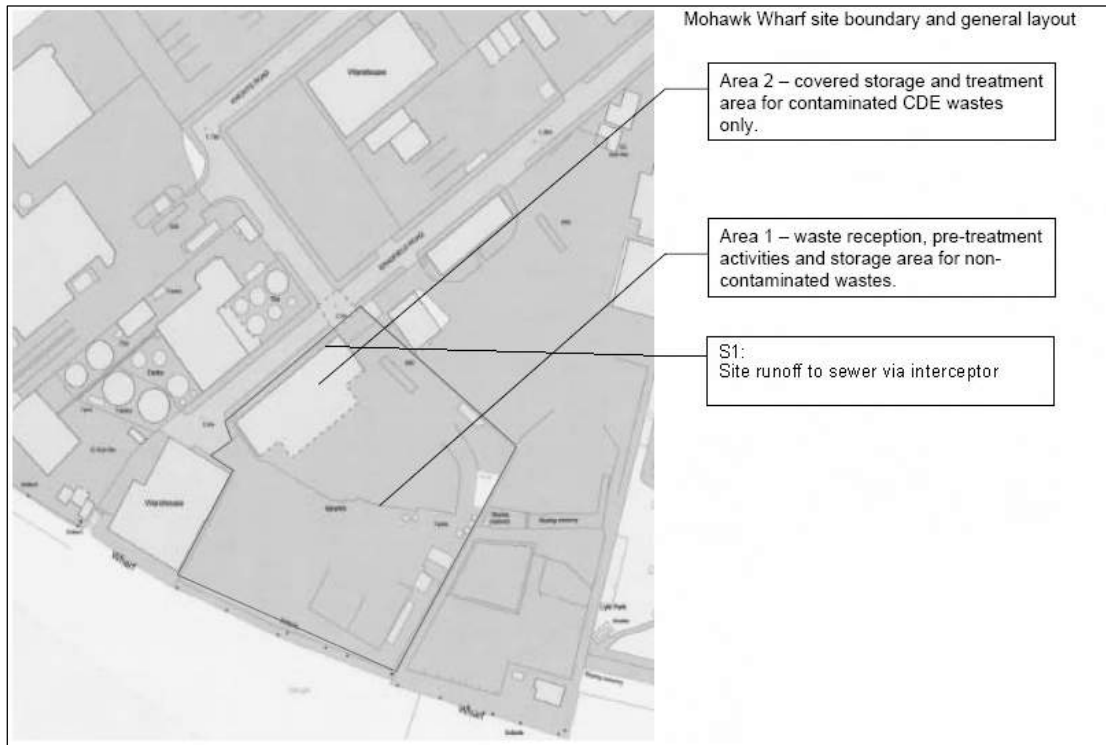
“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“R” means a recovery operation provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 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.

“year” means calendar year ending 31 December.

Schedule 7 - Site plan



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Schedule 4 – amended plan

None

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Keltbray AWS Limited

Mohawk Wharf Recycling Facility
Bradfield Road
Silvertown
London
E16 2AX

Variation application number

EPR/FP3092LH/V003

Permit number

EPR/FP3092LH

Mohawk Wharf Recycling Facility

Permit number EPR/FP3092LH

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made.

All the conditions of the permit have been varied and are subject to the right of appeal.

This variation amends the existing permit to add a soil treatment facility which will treat hazardous and non-hazardous wastes for recovery. The Facility will treat waste through the use of biopiles by means of biological remediation which shall involve incorporating micro-organism cultures into the biopiles to assist the remediation process. Wastes will be stored and treated on an impermeable surface with sealed drainage. Site mitigation in line with best available techniques is in place on site including a biofilter and dust suppression spray systems.

Mohawk Wharf Recycling Facility is located in Silvertown, East London on the banks of the River Thames (central grid reference TQ40395 79796). Waste soils and stones are transported to the installation from construction sites. Loads are initially weighed, then classified and segregated by an on-site chemist. The assessment of wastes from the construction sites are measured against the installation site acceptance criteria. Soil is then stored and stockpiled according to the level of contamination. Stockpiles are kept segregated to prevent cross contamination. Prior to treatment materials may be screened to remove oversized materials.

Soil cleaning techniques depend on the variation and concentration of pollutants in the soil. Soil suitable for biological treatment is stockpiled in biopiles in the treatment areas and, where required, treated by spraying with additives to enhance the biodegradation of hydrocarbons. Biopiles are then covered with an impermeable liner. Aeration via machine blower is also undertaken if necessary. Other treatments include soil stabilisation. Stockpiles are tested weekly by the site chemist. After reaching the site specific criteria the soils are transported to the Thames Wharf, loaded on to barges and transported via the River Thames to restoration sites.

Facilities on site comprise a weighbridge, site office, covered treatment zone capable of holding more than 7,500m³ soil, storage areas for processing soil, on site water treatment facilities, heavy machine plant including wheeled shovel loaders and excavators, screeners and blowers, pipes and chemicals for soil treatment.

The site is covered in hard standing with sealed drainage throughout. All leachate collected within the treatment area is treated via the on-site water treatment plant and either re-used on site or tankered off site.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application received EPR/FP3092LH/A001	Duly Made 05/10/2009	Application for standard rules application SR2008No11_75kte
Permit determined EPR/FP3092LH	11/12/2009	Permit issued to Keltbray AWS Limited
Application received EPR/FP3092LH/V002	Duly Made 05/10/2010	Application to vary from standard rules conditions to bespoke conditions to allow 70,000 tonnes a year of hazardous and non-hazardous construction, demolition and excavation waste
Additional Information received	05/11/2010	
Variation determined EPR/FP3092LH/V002	21/12/2010	Permit issued to Keltbray AWS Limited
Application EPR/FP3092LH/V003 (variation and consolidation)	Duly made 27/11/2014	Application to vary permit to include bioremediation treatment and update the permit to modern conditions
Response to Schedule 5 sent 27/01/2015	09/03/2015	Response to all questions detailing pre-acceptance procedures; waste acceptance procedures; waste classification, segregating and monitoring; waste rejection; record keeping and auditing; waste storage, sampling procedures; and treatment and all referenced supporting documentation
Response to Schedule 5 sent 27/01/2015 and request for further information sent 19/03/2015	02/04/2015	Response to all questions detailing waste acceptance procedures; dust suppression on site and treatment of non-hazardous waste
Variation determined EPR/FP3092LH/V003	28/04/2015	Varied and consolidated permit issued in modern condition format

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

Permit number

EPR/FP3092LH

Issued to

Keltbray AWS Limited (“the operator”)

whose registered office is

**St. Andrew's House
Portsmouth Road
Esher
Surrey
KT10 9TA**

company registration number 04836483

to operate a regulated facility at

**Mohawk Wharf Recycling Facility
Bradfield Road
Silvertown
London
E16 2AX**

to the extent set out in the schedules.

The notice shall take effect from 28/04/2015

Name	Date
Tom Swift	28/04/2015

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/FP3092LH

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FP3092LH/V003 authorising,

Keltbray AWS Limited (“the operator”),

whose registered office is

**St. Andrew's House
Portsmouth Road
Esher
Surrey
KT10 9TA**

company registration number 04836483

to operate an installation at

**Mohawk Wharf Recycling Facility
Bradfield Road
Silvertown
London
E16 2AX**

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

Name	Date
Tom Swift	28/04/2015

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.2 and S2.3;
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

Hazardous waste storage and treatment

- 2.3.7 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Monitoring

- 3.3.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
 - (a) point source emissions specified in tables S3.1.
- 3.3.2 The operator shall maintain records of all monitoring required by this permit including 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.

3.4 Odour

- 3.4.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.4.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Noise and vibration

- 3.5.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.5.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.6 Monitoring

- 3.6.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) monitoring of biopiles specified in table S3.1.
- 3.6.2 The operator shall maintain records of all monitoring required by this permit including 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.
- 3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.6.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, unless otherwise agreed in writing by the Environment Agency.

3.7 Pests

- 3.7.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.7.2 The operator shall:
- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production/treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

4.3.1 The Environment Agency shall be notified without delay following the detection of:

- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
- (b) the breach of a limit specified in the permit; or
- (c) any significant adverse environmental effects.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (c) any change in the operator's name or address; and
- (d) any steps taken with a view to the dissolution of the operator.

4.3.5 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.6 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.7 In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) 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 of them being in a partnership, dissolving the partnership.

4.3.8 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.9 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.10 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

- (a) a decision by the Secretary of State not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A1	S5.3 A(1)(a)(i) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment	Ex-situ bioremediation of hazardous waste soil R3: Recycling / reclamation of organic substances which are not used as solvents (including other biological transformation processes) R4: Recycling / reclamation of metals and metal compounds R5: Recycling / reclamation of inorganic materials other than metals and metal compounds	Treatment operations shall be limited to: <ul style="list-style-type: none"> Biological treatment of hazardous contaminated wastes by bioremediation and biopiles. Pre-treatment operations including sorting, segregation, screening in order to facilitate remedial action. Treatment of all hazardous wastes shall be carried out on an impermeable pavement with sealed drainage. Treatment shall not include blending or mixing of hazardous wastes or hazardous wastes with non-hazardous wastes. Storage shall not exceed 10,000 tonnes per day. Treatment of hazardous waste by bioremediation shall not exceed 25,000 tonnes per annum. Waste types as specified in table S2.2. Notwithstanding the waste types permitted in table S2.2 wastes which have any of the following characteristics shall not be accepted for the bioremediation process: <ul style="list-style-type: none"> waste with hazardous properties due to presence of heavy metals; waste comprised or contaminated with asbestos; liquid waste.
A2	S5.4 A(1)(a)(i) Disposal or recovery of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment	R3: Recycling/reclamation of organic substances which are not used as solvents (including other biological transformation processes) R4: Recycling / reclamation of metals and metal compounds R5: Recycling / reclamation of inorganic materials other than metals and metal compounds	Treatment of non-hazardous contaminated wastes for recovery consisting only of: Pre-treatment operations including sorting, segregation, screening in order to facilitate remedial action. Treatment of all non-hazardous wastes shall be carried out on an impermeable pavement with

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
			<p>sealed drainage.</p> <p>Storage of all non-hazardous wastes shall be carried out on an impermeable pavement with sealed drainage.</p> <p>Treatment shall not include blending or mixing of hazardous wastes or hazardous wastes with non-hazardous wastes.</p> <p>Storage by bioremediation shall not exceed 10,000 tonnes per day.</p> <p>Treatment of non-hazardous waste by bioremediation shall not exceed 50,000 tonnes per annum.</p> <p>Waste types as specified in Table S2.3.</p> <p>Notwithstanding the waste types permitted in table S2.3 wastes which have any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> • waste comprised or contaminated with asbestos; • wastes comprised solely or mainly of dusts or powders; • wastes which are odour producing or likely to be odorous.
A3	S5.6 A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Storage of all hazardous wastes shall be carried out on an impermeable pavement with sealed drainage
Directly Associated Activity			
A4	Screening of waste	<p>Screening of waste to remove any materials which are not suitable for use in treatment</p> <p>R4: Recycling / reclamation of metals and metal compounds</p> <p>R5: Recycling / reclamation of inorganic materials other than metals and metal compounds</p>	All treatment must take place on an impermeable surface with sealed drainage
A5	Temporary storage of non-hazardous waste pending recovery	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	<p>All storage must take place on an impermeable surface with sealed drainage</p> <p>Waste only as per tables S2.3</p>

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/FP3092LH/V002	<ul style="list-style-type: none"> • Guidance for the recovery and disposal of hazardous and non hazardous waste Ref: S5.06 • Hazardous waste Ref: Technical Guidance WM2 • Environmental Management Plan • Non Technical Summary 	05/10/2010
Additional information EPR/FP3092LH/V002	<ul style="list-style-type: none"> • Process Flow Diagram 	21/12/2010
Application EPR/FP3092LH/V003	Responses to Parts C2 and C3 of the application form and all referenced supporting documentation	27/11/2014
Response to Schedule 5 Notice dated 27/01/2015	<p>Response to all questions detailing pre-acceptance procedures; waste acceptance procedures; waste classification, segregating and monitoring; waste rejection; record keeping and auditing; waste storage, sampling procedures; and treatment and all referenced supporting documentation:</p> <ul style="list-style-type: none"> • <i>CBE_CMRF_Rev01 - Pre-acceptance procedure to assess CDE waste_001</i>. Keltbray Environmental. Feb 2015 • <i>KBE_CMRF_Rev01 – Waste Rejection Procedure_001</i>. Keltbray Environmental. Feb 2015 • <i>KBE_CMRF_Rev01 – Document control procedure for waste_001</i>. Keltbray Environmental. Feb 2015 • <i>KBY_MW_SWP_001Rev04 – Site Working Plan</i>. Keltbray Environmental. 19/02/2015 • <i>KBY_MW_PPC_WAP_001Rev01 – Site Working Plan materials acceptance procedure</i>. Keltbray Environmental. 03/08/2013 • <i>KB_MS_00002 – Waste segregation methodology</i>. Keltbray Environmental. May 2013 • <i>KBY_MW_PPC_PTS_001Rev001 – Procedures for the treatment of soils</i>. 02/09/2013 	09/03/2015
Response to Schedule 5 Notice dated 27/01/2015 and Request for Further Information dated 19/03/2015	Response to all questions detailing waste acceptance procedures; waste treatment; activated carbon treatment unit, dust suppression and all referenced supporting documentation	02/04/2015

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
-	-

Table S2.2 Permitted waste types and quantities for activity A1 – treatment of hazardous waste by means of biological treatment	
Maximum quantity	Total annual throughput for the site shall not exceed 25,000 tonnes per annum of hazardous waste
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 05	drilling muds and other drilling wastes
01 05 05*	oil-containing drilling muds and wastes
01 05 06*	drilling muds and other drilling wastes containing dangerous substances
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 02	wood, glass and plastic
17 02 04*	glass, plastic and wood containing or contaminated with dangerous substances
17 03	bituminous mixtures, coal tar and tarred products
17 03 01*	bituminous mixtures containing coal tar
17 03 03*	coal tar and tarred products
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing dangerous substances
17 05 05*	dredging spoil containing dangerous substances
17 05 07*	track ballast containing dangerous substances
17 09	other construction and demolition wastes
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing dangerous substances

Table S2.3 Permitted waste types and quantities for activity A2 – treatment of non-hazardous waste by means of biological treatment	
Maximum quantity	Total annual throughput for the site shall not exceed 50,000 tonnes per annum of non-hazardous waste
Waste code	Description
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

Schedule 3 – Emissions and monitoring

Table S3.1 Other Monitoring requirements – contaminated soil				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Soil biopiles	Total Petroleum Hydrocarbons (TPH) Polycyclic Aromatic Hydrocarbons (PAH's) Pentachlorophenol (PCP) Note 1 Total Volatile Organic Compounds (VOC's) Phenols pH	Each completed batch of treated soil shall be sampled	-	Laboratory must be accredited to EN ISO/IEC ISO17025:2000 for the analysis. Specified samples to be obtained using standard sampling procedures as per BS 812

Note 1: Only if PCP contaminated soils are received for treatment

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Other monitoring requirements – contaminated soils Parameters as required by condition 3.5.1.	Biopile – Composite soil sample Total Petroleum Hydrocarbons (TPH), Polycyclic Aromatic Hydrocarbons (PAHs), Pentachlorophenol (PCP) (see Note 1), Total Volatile Organic Compounds (VOC's), Phenols and pH.	Every 3 months	1 January, 1 April, 1 July, 1 October

Note 1: Only if PCP contaminated soils are treated

Table S4.2: Annual production/treatment	
Parameter	Units
Bioremediation treatment	tonnes
Hazardous waste IN	tonnes
Hazardous waste OUT	tonnes
Waste recycled	tonnes
Waste disposed	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	28/04/2015
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	28/04/2015

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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.

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 EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

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 which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

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.

“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.

“disposal”. Means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“hazardous property” has the meaning given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No.894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

“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.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

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

“Pests” means Birds, Vermin and Insects.

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

“recovery” means any of the operations 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.

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.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

in relation to emissions 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

in relation to emissions 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.

Schedule 7 – Site plan



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END OF PERMIT

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Keltbray AWS Limited

Mohawk Wharf Recycling Facility
Bradfield Road
Silvertown
London
E16 2AX

Variation application number

EPR/FP3092LH/V004

Permit number

EPR/FP3092LH

Mohawk Wharf Recycling Facility

Permit number EPR/FP3092LH

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made.

Mohawk Wharf is a waste recovery, recycling, treatment and transfer station for construction, demolition and excavation waste located on the River Thames. As a direct result of new projects in Silvertown Quays, Battersea and the Thames Tideway project the variation has increased the installation boundary and volume of wastes accepted at the installation. All processes and treatments will remain the same.

This variation authorises the following changes to the permit:

- Annual volumes of waste accepted are increased from 75,000 tonnes to 150,000 tonnes (100,000 non-hazardous waste, 50,000 hazardous waste);
- The installation boundary is increased to incorporate a new area of land. The extension will allow for an additional storage bay, barge loading and second site entrance. Barge loading will reduce the volume of vehicle movements to/from the installation.
- Additionally two Part B activities are added to the permit to incorporate the screening of waste post treatment previously carried out at the installation.

The site is located within an area which has experienced high levels of airborne particle pollution (PM₁₀). Following this variation to increase the installation boundary and throughput we have imposed improvement conditions for the Operator to monitor and report on the dust levels at the installation.

The original introductory note is repeated below for information:

Mohawk Wharf Recycling Facility is located in Silvertown, East London on the banks of the River Thames (central grid reference TQ40395 79796). Waste soils and stones are transported to the installation from construction sites. Loads are initially weighed, then classified and segregated by an on-site chemist. The assessment of wastes from the construction sites are measured against the installation site acceptance criteria. Soil is then stored and stockpiled according to the level of contamination. Stockpiles are kept segregated to prevent cross contamination. Prior to treatment materials may be screened to remove oversized materials.

Soil cleaning techniques depend on the variation and concentration of pollutants in the soil. Soil suitable for biological treatment is stockpiled in biopiles in the treatment areas and, where required, treated by spraying with additives to enhance the biodegradation of hydrocarbons. Biopiles are then covered with an impermeable liner. Aeration via machine blower is also undertaken if necessary. Other treatments include soil stabilisation. Stockpiles are tested weekly by the site chemist. After reaching the site specific criteria the soils are transported to the Thames Wharf, loaded on to barges and transported via the River Thames to restoration sites.

Facilities on site comprise a weighbridge, site office, covered treatment zone capable of holding more than 7,500m³ soil, storage areas for processing soil, on site water treatment facilities, heavy machine plant including wheeled shovel loaders and excavators, screeners and blowers, pipes and chemicals for soil treatment.

The site is covered in hard standing with sealed drainage throughout. All leachate collected within the treatment area is treated via the on-site water treatment plant and either re-used on site or tankered off site.

Variation V003 added a soil treatment facility to treat hazardous and non-hazardous wastes for recovery. The Facility treats waste through the use of biopiles by means of biological remediation which involves incorporating micro-organism cultures into the biopiles to assist the remediation process. Wastes is stored and treated on an impermeable surface with sealed drainage. Site mitigation in line with best available techniques is in place on site including a biofilter and dust suppression spray systems.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application received EPR/FP3092LH/A001	Duly Made 05/10/2009	Application for standard rules application SR2008No11_75kte
Permit determined EPR/FP3092LH	11/12/2009	Permit issued to Keltbray AWS Limited
Application received EPR/FP3092LH/V002	Duly Made 05/10/2010	Application to vary from standard rules conditions to bespoke conditions to allow 70,000 tonnes a year of hazardous and non-hazardous construction, demolition and excavation waste
Additional Information received	05/11/2010	
Variation determined EPR/FP3092LH/V002	21/12/2010	Permit issued to Keltbray AWS Limited
Application EPR/FP3092LH/V004 (variation and consolidation)	Duly made 27/11/2014	Application to vary permit to include bioremediation treatment and update the permit to modern conditions
Response to Schedule 5 sent 27/01/2015	09/03/2015	Response to all questions detailing pre-acceptance procedures; waste acceptance procedures; waste classification, segregating and monitoring; waste rejection; record keeping and auditing; waste storage, sampling procedures; and treatment and all referenced supporting documentation
Response to Schedule 5 sent 27/01/2015 and request for further information sent 19/03/2015	02/04/2015	Response to all questions detailing waste acceptance procedures; dust suppression on site and treatment of non-hazardous waste
Variation determined EPR/FP3092LH/V003	28/04/2015	Varied and consolidated permit issued in modern condition format
Application EPR/FP3092LH/V004 (variation)	Duly made 12/08/2016	Variation to increase the annual throughput of waste, increase the installation boundary and add two part B activities
Response to Schedule 5 sent 22/09/2016	18/10/2016	Historic maps, photographs of the site surface condition, responses to questions raised
Variation determined EPR/FP3092LH/V004 PAS/Billing Ref: MP3730DZ	02/12/16	Varied permit issued

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

Permit number

EPR/FP3092LH

Issued to

Keltbray AWS Limited (“the operator”)

whose registered office is

**St. Andrew's House
Portsmouth Road
Esher
Surrey
KT10 9TA**

company registration number 04836483

to operate a regulated facility at

**Mohawk Wharf Recycling Facility
Bradfield Road
Silvertown
London
E16 2AX**

to the extent set out in the schedules.

The notice shall take effect from 02/12/2016

Name	Date
M Bischer	02/12/2016

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/FP3092LH

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FP3092LH/V004 authorising,

Keltbray AWS Limited (“the operator”),

whose registered office is

St. Andrew's House

Portsmouth Road

Esher

Surrey

KT10 9TA

company registration number 04836483

to operate an installation at

Mohawk Wharf Recycling Facility

Bradfield Road

Silvertown

London

E16 2AX

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

Name	Date
M Bischer	02/12/2016

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

- 1.2.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
 - (b) maintain records of raw materials and water used in the activities;
 - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
 - (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and

(c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").

2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 2 table(s) S2.2 and S2; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;
- (b) the composition of the waste;
- (c) the handling requirements of the waste;
- (d) the hazardous property associated with the waste, if applicable; and
- (e) the waste code of the waste.

2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

Hazardous waste storage and treatment

- 2.3.7 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
- (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.4.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:

- (a) Monitoring of biopiles are specified in table S3.1.

3.5.2 The operator shall maintain records of all monitoring required by this permit including 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.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production /treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1(a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) 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 of them being in a partnership, dissolving the partnership.

- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR1	S5.3 A(1)(a)(i) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment	Ex-situ bioremediation of hazardous waste soil R3: Recycling / reclamation of organic substances which are not used as solvents (including other biological transformation processes)	<p>Treatment operations shall be limited to:</p> <ul style="list-style-type: none"> Biological treatment of hazardous contaminated wastes by bioremediation and biopiles. <p>Pre-treatment operations including sorting, segregation, screening in order to facilitate remedial action.</p> <p>Treatment of all hazardous wastes shall be carried out on an impermeable pavement with sealed drainage.</p> <p>Treatment shall not include blending or mixing of hazardous wastes or hazardous wastes with non-hazardous wastes.</p> <p>Storage shall not exceed 10,000 tonnes per day.</p> <p>Treatment of hazardous waste by bioremediation shall not exceed 50,000 tonnes per annum.</p> <p>Waste types as specified in table S2.2.</p> <p>Notwithstanding the waste types permitted in table S2.2 wastes which have any of the following characteristics shall not be accepted for the bioremediation process:</p> <ul style="list-style-type: none"> waste with hazardous properties due to presence of heavy metals; waste comprised or contaminated with asbestos; liquid waste.
AR2	S5.4 A(1)(a)(i) Disposal or recovery of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment	R3: Recycling/reclamation of organic substances which are not used as solvents (including other biological transformation processes)	<p>Treatment of non-hazardous contaminated wastes for recovery consisting only of:</p> <p>Pre-treatment operations including sorting, segregation, screening in order to facilitate remedial action.</p> <p>Treatment of all non-hazardous wastes shall be carried out on an impermeable pavement with sealed drainage.</p> <p>Storage of all non-hazardous wastes shall be carried out on an impermeable pavement with sealed drainage.</p> <p>Treatment shall not include blending or mixing of hazardous wastes or hazardous wastes with non-hazardous</p>

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
			<p>wastes.</p> <p>Storage by bioremediation shall not exceed 10,000 tonnes per day.</p> <p>Treatment of non-hazardous waste by bioremediation shall not exceed 100,000 tonnes per annum.</p> <p>Waste types as specified in Table S2.3.</p> <p>Notwithstanding the waste types permitted in table S2.3 wastes which have any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> • waste comprised or contaminated with asbestos; • wastes comprised solely or mainly of dusts or powders; • wastes which are odour producing or likely to be odorous.
AR3	S5.6 A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	<p>Storage of all hazardous wastes shall be carried out on an impermeable pavement with sealed drainage.</p> <p>Storage shall not exceed 10,000 tonnes per day.</p> <p>Waste types as specified in table S2.2.</p> <p>Notwithstanding the waste types permitted in table S2.2 wastes which have any of the following characteristics shall not be accepted for the bioremediation process:</p> <ul style="list-style-type: none"> • waste with hazardous properties due to presence of heavy metals; • waste comprised or contaminated with asbestos; • liquid waste.
AR4	Section 3.5 Part B (a) The screening of any designated mineral or mineral product	<p>Post treatment screening of non-hazardous waste to remove any materials which are not suitable for use</p> <p>R5: Recycling / reclamation of inorganic materials other than metals and metal compounds</p>	<p>All treatment must take place on an impermeable surface with sealed drainage.</p> <p>Wastes types and quantities as specified within table S2.3</p> <p>Notwithstanding the waste types permitted in table S2.3 wastes which have any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> • waste comprised or contaminated with asbestos; • wastes comprised solely or mainly of dusts or powders; • wastes which are odour producing or likely to be odorous. <p>Wastes likely to give rise to dusts</p>

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
			<p>should be:</p> <ul style="list-style-type: none"> • sheeted for transport to/from the installation • subject to dust suppression and management during storage • conditioned with water prior to internal transfer.
AR5	Section 3.5 Part B (d) Screening the product of any activity described in paragraph (c) (<i>bricks, tiles or concrete</i>).	<p>Post treatment screening of non-hazardous waste to remove any materials which are not suitable for use</p> <p>R5: Recycling / reclamation of inorganic materials other than metals and metal compounds</p>	<p>All treatment must take place on an impermeable surface with sealed drainage.</p> <p>Wastes types and quantities as specified within table S2.3</p> <p>Notwithstanding the waste types permitted in table S2.3 wastes which have any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> • waste comprised or contaminated with asbestos; • wastes comprised solely or mainly of dusts or powders; • wastes which are odour producing or likely to be odorous. <p>Wastes likely to give rise to dusts should be:</p> <ul style="list-style-type: none"> • sheeted for transport to/from the installation • subject to dust suppression and management during storage • conditioned with water prior to internal transfer.
Directly Associated Activity			
AR6	Screening of waste	<p>Screening of waste to remove any materials which are not suitable for use in treatment</p> <p>R5: Recycling / reclamation of inorganic materials other than metals and metal compounds</p>	<p>All treatment must take place on an impermeable surface with sealed drainage</p>
AR7	Temporary storage of non-hazardous waste pending recovery	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	<p>All storage must take place on an impermeable surface with sealed drainage</p> <p>Waste only as per tables S2.3</p>

Table S1.2 Operating techniques
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Description	Parts	Date Received
Application EPR/FP3092LH/V002	<ul style="list-style-type: none"> Guidance for the recovery and disposal of hazardous and non hazardous waste Ref: S5.06 Hazardous waste Ref: Technical Guidance WM2 Environmental Management Plan Non Technical Summary 	05/10/2010
Additional information EPR/FP3092LH/V002	<ul style="list-style-type: none"> Process Flow Diagram 	21/12/2010
Application EPR/FP3092LH/V003	Responses to Parts C2 and C3 of the application form and all referenced supporting documentation	27/11/2014
Response to Schedule 5 Notice dated 27/01/2015	<p>Response to all questions detailing pre-acceptance procedures; waste acceptance procedures; waste classification, segregating and monitoring; waste rejection; record keeping and auditing; waste storage, sampling procedures; and treatment and all referenced supporting documentation:</p> <ul style="list-style-type: none"> <i>CBE_CMRF_Rev01 - Pre-acceptance procedure to assess CDE waste_001.</i> Keltbray Environmental. Feb 2015 <i>KBE_CMRF_Rev01 – Waste Rejection Procedure_001.</i> Keltbray Environmental. Feb 2015 <i>KBE_CMRF_Rev01 – Document control procedure for waste_001.</i> Keltbray Environmental. Feb 2015 <i>KBY_MW_SWP_001Rev04 – Site Working Plan.</i> Keltbray Environmental. 19/02/2015 <i>KBY_MW_PPC_WAP_001Rev01 – Site Working Plan materials acceptance procedure.</i> Keltbray Environmental. 03/08/2013 <i>KB_MS_00002 – Waste segregation methodology.</i> Keltbray Environmental. May 2013 <i>KBY_MW_PPC_PTS_001Rev001 – Procedures for the treatment of soils.</i> 02/09/2013 	09/03/2015
Response to Schedule 5 Notice dated 27/01/2015 and Request for Further Information dated 19/03/2015	Response to all questions detailing waste acceptance procedures; waste treatment; activated carbon treatment unit, dust suppression and all referenced supporting documentation	02/04/2015
Application EPR/FP3092LH/V004	<p>Responses to Parts C2 and C3 of the application forms and all referenced supporting documentation. Including additional documents submitted;</p> <p>Annual Max Waste Additional EWC Code Barge loading procedure Ground investigation reports Site boundary and drainage plan Barge loading risk assessment H5 Site condition report</p>	<p>Duly made 12/08/2016</p> <p>12/08/2016 12/08/2016 04/08/2016 14/07/2016 14/07/2016 14/07/2016 14/07/2016</p>
Response to Schedule 5 Notice dated 22/09/2016	Historical maps, photographs of the site surface, responses to questions raised.	18/10/2016

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	<p>The operator shall submit a proposal for monitoring particulates (PM₁₀) at the installation boundary to the Environment Agency for approval. The proposal should include but not be limited to;</p> <ul style="list-style-type: none"> • Detail of how the monitoring will be undertaken • A map showing the sampling locations • The planned frequency of monitoring, for a period of at least 12 months • The competency of the staff undertaking the monitoring, and relevant training / certificates • The calibration certificates of the monitoring equipment • Commitment to a date when the report and raw data will be submitted to the Environment Agency. <p>The operator should refer to the Environment Agency's guidance: M17 – Monitoring of particulate matter in ambient air around waste facilities.</p>	02/01/17 Within 1 month of permit issue.
IC2	<p>Following completion of IC1 and 12 months of dust monitoring. The operator shall submit a report demonstrating the efficiency of the dust abatement measures to the Environment Agency for approval. The report shall include but not be limited to;</p> <ul style="list-style-type: none"> • A report summarising the findings along with a timetable for any improvements identified • Raw data • Considerations to enclosing the stockpiles at the installation. <p>The Operator shall implement any necessary improvements to a timetable agreed in writing with the Environment Agency.</p>	Date as agreed with the Environment Agency following submission of IC1.

Schedule 2 – Waste types, raw materials and fuels

Raw materials and fuel description	Specification
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Maximum quantity	Total annual throughput for the site shall not exceed 50,000 tonnes per annum of hazardous waste
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 05	drilling muds and other drilling wastes
01 05 05*	oil-containing drilling muds and wastes
01 05 06*	drilling muds and other drilling wastes containing dangerous substances
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)

Table S2.2 Permitted waste types and quantities for activity AR1 and AR3 – temporary storage and treatment of hazardous waste by means of biological treatment	
Maximum quantity	Total annual throughput for the site shall not exceed 50,000 tonnes per annum of hazardous waste
Waste code	Description
17 01	concrete, bricks, tiles and ceramics
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 02	wood, glass and plastic
17 02 04*	glass, plastic and wood containing or contaminated with dangerous substances
17 03	bituminous mixtures, coal tar and tarred products
17 03 01*	bituminous mixtures containing coal tar
17 03 03*	coal tar and tarred products
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing dangerous substances
17 05 05*	dredging spoil containing dangerous substances
17 05 07*	track ballast containing dangerous substances
17 09	other construction and demolition wastes
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing dangerous substances

Table S2.3 Permitted waste types and quantities for activity AR2, AR4 & AR5 – treatment of non-hazardous waste by means of biological treatment or shredding	
Maximum quantity	Total annual throughput for the site shall not exceed 100,000 tonnes per annum of non-hazardous waste
Waste code	Description
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 03	bituminous mixtures, coal tar and tarred products

Table S2.3 Permitted waste types and quantities for activity AR2, AR4 & AR5 – treatment of non-hazardous waste by means of biological treatment or shredding	
Maximum quantity	Total annual throughput for the site shall not exceed 100,000 tonnes per annum of non-hazardous waste
Waste code	Description
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

Schedule 3 – Emissions and monitoring

Table S3.1 Other Monitoring requirements – contaminated soil				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Soil biopiles	Total Petroleum Hydrocarbons (TPH) Polycyclic Aromatic Hydrocarbons (PAH's) Pentachlorophenol (PCP) Note 1 Total Volatile Organic Compounds (VOC's) Phenols pH	Each completed batch of treated soil shall be sampled	-	Laboratory must be accredited to EN ISO/IEC ISO17025:2000 for the analysis. Specified samples to be obtained using standard sampling procedures as per BS 812

Note 1: Only if PCP contaminated soils are received for treatment

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Other monitoring requirements – contaminated soils Parameters as required by condition 3.5.1.	Biopile – Composite soil sample Total Petroleum Hydrocarbons (TPH), Polycyclic Aromatic Hydrocarbons (PAHs), Pentachlorophenol (PCP) (see Note 1), Total Volatile Organic Compounds (VOC's), Phenols and pH.	Every 3 months	1 January, 1 April, 1 July, 1 October

Note 1: Only if PCP contaminated soils are treated

Table S4.2: Annual production/treatment	
Parameter	Units
Bioremediation treatment	tonnes
Hazardous waste IN	tonnes
Hazardous waste OUT	tonnes
Waste recycled	tonnes
Waste disposed	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	28/04/2015
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	28/04/2015

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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.

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 EP Regulations.

Part A

Permit Number	EPR/FP3092LH
Name of operator	Keltbray AWS Limited
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

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 which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

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.

“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.

“disposal”. Means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“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.

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

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

“Pests” means Birds, Vermin and Insects.

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

“recovery” means any of the operations 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 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

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.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions 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
- in relation to emissions 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.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



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END OF PERMIT



St Andrew's House

Telephone: 020 7643 1000

Portsmouth Road, Esher

Facsimile: 020 7643 1001

Surrey KT10 9TA

Email: office@keltbray.com

Conveyance Note (Form C Combined Weight and Volume)
Weights and Measure Act 1963, Schedule 5, Paragraph 7

Keltbray Group

Waste Carriers Licence No. CBDU84378

LOADED AT	DATE OF LEAVING PLACE OF LOADING
Se16	21/07/2021

Name & Address of Site

RE6085 - Bermondsey Biscuit Factory
The Biscuit Factory
Clements Road, Bermondsey
London
SE16 4DG

Time on Site	08:00	Time off Site	08:50
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REGISTERED No. OF VEHICLE	NAME OF PERSON IN CHARGE OF VEHICLE		
KY19JUH	pedro		
CUBIC METRES (IN WORDS)	DESCRIPTION OF MATERIAL	TONNES	
15.3cu metre truck (20cu yd)	wif dw2220509	GROSS	
	Campus site	TARE	
		NETT	0

N.B. To customers, authorised agents, representatives, or responsible persons signing this delivery ticket. This is in your interest. Please read this ticket carefully, and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstance entertain any claims concerning quantity or quality, once the vehicle has left the site and a clear signature has been given.

Customers ordering vehicles off the public road do so entirely on their own responsibility. We cannot accept responsibility for damage caused by our vehicles while delivering to your site.

All materials delivered to site remain the property of the vendor until paid for in full.

Certified that the above particulars are true and relate to the aggregates, sub-based materials and arising materials being conveyed or disposed of in pursuance of the sale.

Received By		Print Name	pedro
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Signed for and on behalf of the seller		Date	21/07/2021
Print name	Fanuel		

Job No.	RE6085
Job PO Number	M-RE6085/0006
Ticket Number	86288
Pad Number	

PRODUCER/CURRENT HOLDER OF WASTE

Full Name	Keltbray Ltd
ADDRESS	
St Andrew's House	
Portsmouth Road	
Esher	
Surrey	
KT10 9TA	
U1 Exemption Licence	

The waste hierarchy has been considered in deciding the most appropriate waste management option

SIC Code:	39000 - Remediation Activities
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WASTE CARRIER'S DETAILS

Registered Carrier's Name	Keltbray Group Ltd		
Carrier's PO Number	M-RE6085/0006		
ADDRESS			
St Andrews House			
Portsmouth Road			
Esher			
Surrey			
KT10 9TA			
Registered Carrier's No.	CBDU84378	Issued By	

DESCRIPTION OF WASTE

17.05.04 - Soil & Stones

DISPOSAL FACILITY DETAILS

Site Operator's Signature	
Print Name	
Site Name	FCC DB Cargo - Barking
Site PO Number	M-HAU003/0810
ADDRESS	
Barking Eurohub	
Box Lane	
Renwick Road	
Barking	
IG11 0SQ	
Waste Site Licence Number	EPR/GB3003GR
Date and Time of Transfer	

REJECTED LOAD

Reason for Rejection	
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Comment

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