

Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Blackhill Quarry Landfill
Mone Brothers Limited
Blackhill Quarry
Kings Road
Bramhope
Leeds
West Yorkshire

Permit number
WP3832LZ

Blackhill Quarry Landfill

Permit Number WP3832LZ

Introductory note

This introductory note does not form a part of the permit

The main features of the installation are as follows. Blackhill Quarry Landfill Site is situated on Blackhill, adjacent to Kings Road and 1 km south east of the village of Bramhope, north of the city of Leeds in West Yorkshire. The site is located at National Grid Reference SE 270 420 and is operated by Mone Brothers Limited.

The Application is for a Permit for the continued operation of an existing landfill site, currently operated in accordance with Waste Management Licence EAWML/294 (formerly Waste Disposal Licence WDL294). The licence authorises the disposal of uncontaminated earth and excavation waste. Tipping is currently occurring south of the void and the material being disposed of is mainly fines from recycling operations.

There are no existing PPC Permits relating to the site. The Applicant proposes to continue the filling in the current tipping area in a phased progression following extraction in cells 1 – 4.

The quarry and the surrounding areas lie within a base of the Upper Carboniferous age. The stone being extracted is the Brandon Grit of the millstone Grit sequence. This is conformably underlain by a thick horizon of blue mudstone. The strata below the site is designated a minor aquifer as is the strata within the surrounding area. The Environment Agency website confirms that the site is not within a SPZ. The nearest surface water receptor is Marsh Beck which flows along the site's western boundary.

A review of nature protection sites (SSSI and European Habitat sites) has been extended to a 2 km radius for the site. This search has confirmed that there are two SSSIs, Breary Marsh and Eccup Reservoir, and no European Habitat sites, within 2 km of the Applicant's proposed installation boundary.

The Applicant applied to authorise the continued operation of the site as a landfill for inert wastes. The PPC Application covers the current and future tipping operations at Blackhill Quarry Landfill.

Status log of the permit

Detail	Date	Response Date
Application WP3832LZ	Received 09/05/06	
Permit determined	22/05/09	

Other existing licences/authorisations/registrations relating to this site

Holder	Reference Number	Date of issue
Mone Brothers Limited	294 (EAWML61148)	22/01/1982

End of Introductory Note

Permit

Pollution Prevention and Control (England and Wales) Regulations 2000
Landfill (England and Wales) Regulations 2002

Permit

Permit number

WP3832LZ

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

Mone Brothers Limited (“the Operator”),

whose Registered Office (or principal office) is

Albert Road

Morley

Leeds

West Yorkshire

LS27 8RU

Company registration number 00992477

to operate an installation at

Blackhill Quarry Landfill

Kings Road

Bramhope

Leeds

West Yorkshire

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

Signed

Date

	22/05/09
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Mel Bischer – Permitting Team Leader – National Permitting Service - Cardiff

Authorised to sign on behalf of the Agency

Conditions

1. Management

1.1 General management

- 1.1.1 The Activities shall be managed and operated:
- (a) in accordance with a management system, which identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents and non-conformances and those drawn to the attention of the operator as a result of complaints; and
 - (b) by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the Activities.
- 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.

1.2 Accidents that may cause pollution

- 1.2.1 The operator shall:
- (a) maintain and implement an accident management plan;
 - (b) review and record at least every 4 years or as soon as practicable after an accident, (whichever is the earlier) whether changes to the plan should be made;
 - (c) make any appropriate changes to the plan identified by a review.

1.3 Finance

- 1.3.1 The financial provision for meeting the obligations under this permit set out in the agreement made between the operator and the Agency dated 22/05/09 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.
- 1.3.2 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 1.3.1; and
 - (c) the estimated costs for the closure and aftercare of the landfill.

1.4 Site security

- 1.5.1 Site security measures shall prevent unauthorised access to the site, as far as practicable.

2. Operations

2.1 Permitted activities

- 2.1.1 The operator is 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 red on the site plan at schedule 2 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 Agency.

2.4 Off-site conditions

There are no conditions in this permit to which Regulation 12(12) of the PPC Regulations apply.

2.5 Improvement programme

- 2.5.1 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 Agency.
- 2.5.2 Except in the case of an improvement which consists only of a submission to the Agency, the operator shall notify the Agency within 14 days of completion of each improvement.

2.6 Pre-operational conditions

- 2.6.1 The Activities shall not be brought into operation until the measures specified in schedule 1 table S1.4A have been completed.
- 2.6.2 The operations specified in schedule 1 table S1.4B shall not commence until the measures specified in that table have been completed.

2.7 Engineering

- 2.7.1 No construction of any new cell shall commence until the operator has submitted construction proposals and the Agency has confirmed that it is satisfied with the construction proposals.
- 2.7.2 The construction of a new cell shall take place only in accordance with the approved construction proposals unless:

- (a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or
 - (b) a change has otherwise been agreed in writing by the Agency.
- 2.7.3 The operator shall submit a CQA Validation Report to the Agency as soon as practicable following the construction of the new cell.
- 2.7.4 No construction of landfill Infrastructure shall commence until the operator has submitted relevant construction proposals or a written request to use previous construction proposals and the Agency has confirmed that it is satisfied with the construction proposals.
- 2.7.5 The construction of the landfill infrastructure shall take place only in accordance with the approved construction proposals unless:
 - (a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or
 - (b) a change has otherwise been agreed in writing by the Agency.
- 2.7.6 The operator shall submit a CQA Validation Report as soon as practicable following the construction of the landfill infrastructure.
- 2.7.7 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.7.4 and 2.7.5 do not apply and the relevant Landfill Infrastructure may be constructed, provided that the construction proposals are submitted to the Agency as soon as practicable.
- 2.7.8 For the purposes of conditions 2.7.1 and 2.7.4, the Agency shall be deemed to be satisfied where it has not, within the period of 4 weeks from the date of receipt of the relevant construction proposals or CQA Validation Report, either:
 - (a) confirmed whether or not it is satisfied; or
 - (b) informed the operator that it requires further information.

2.8 Waste acceptance

- 2.8.1 Wastes shall only be accepted for disposal if:
 - (a) they are listed in schedule 3, and
 - (b) they are inert waste, and
 - (c) they are not liquid waste (including waste waters but excluding sludge), and
 - (d) all the relevant waste acceptance procedures set out in schedule 1 of the Landfill Regulations have been completed, and
 - (e) they fulfil the relevant waste acceptance criteria, and
 - (f) they have not been diluted or mixed solely to meet the relevant waste acceptance criteria, and
 - (g) they are wastes which have been treated, except for wastes for which treatment is not technically feasible.
- 2.8.2 The operator shall visually inspect:
 - (a) without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the landfill; and
 - (b) waste at the point of deposit;

and shall satisfy itself that it conforms to the basic characterisation documentation submitted by the holder.

- 2.8.3 Where the operator has taken samples to establish that the waste is in conformity with the documentation submitted by the holder then the samples taken shall be retained for at least one month and results of any analysis for at least two years.
- 2.8.4 The operator on accepting each delivery of waste shall provide a receipt to the person delivering it.
- 2.8.5 The total quantity of waste that shall be deposited in the landfill shall be limited by the pre-settlement levels shown on drawing ESID5.
- 2.8.6 The quantity of waste that is deposited in the landfill in any year shall not exceed the limits in schedule 1 table S1.5.
- 2.8.7 The operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, date of delivery and, where practicable, origin of any waste that is received for disposal or recovery and of the identity of the producer, or in the case of multiple collection vehicles, of the collector of such waste. Any information regarded by the operator as commercially confidential shall be clearly identified in the record.

2.9 Closure, aftercare and decommissioning

- 2.9.1 The operator shall maintain and operate the Activities so as to prevent or where that is not practicable, to minimise, any pollution risk on closure and decommissioning.

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.

3.2 Fugitive emissions of substances

- 3.2.1 Fugitive emissions of substances (excluding odour, noise and vibration) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 Particulate matter and mud arising from the activities shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures have been used to prevent or where that is not practicable to minimise, the particulate matter and mud.
- 3.2.3 Mud arising from the activities shall be cleared from affected areas outside the Site as soon as practicable.
- 3.2.4 All liquids, 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.

- 3.2.5 The limits for landfill gas at the installation set out in schedule 4, table S4.3 shall not be exceeded.

3.3 Noise and vibration

- 3.3.1 Emissions from the Activities shall be free from noise and vibration at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the noise and vibration.

3.4 Monitoring

- 3.4.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake the monitoring and any other actions for the parameters specified in the following tables in schedule 4 to this permit:
- (a) Groundwater specified in tables S4.2;
 - (b) Landfill gas specified in tables S4.3;
 - (c) Surface water specified in table S4.4.
- 3.4.2 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.
- 3.4.3 A topographical survey of the site referenced to Ordnance Datum shall be carried out:
- (a) annually, or prior to the disposal of waste in any new cell or new development area of the landfill whichever is the shorter period, and
 - (b) following closure of the landfill or part of the landfill.

The topographical survey shall be used to produce a plan of a scale adequate to show the surveyed features of the site.

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 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) the results of groundwater monitoring;
 - (ii) landfill gas monitoring;
 - (iii) waste types and quantities; and
 - (iv) the specification and as built drawings of the basal and sidewall engineering systems.

4.1.2. Any records required to be made by this permit shall be supplied to the Agency within 14 days where the records have been requested in writing by the Agency.

4.1.3 All records required to be held by this permit shall be held on site and shall be available for inspection by the Agency at any reasonable time.

4.2 Reporting

4.2.1 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or other date agreed in writing by the 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 this permit against the relevant assumptions, parameters and results in the risk assessments submitted in relation to this installation and any agreed amendments thereto;
- (b) where the operator's management system encompasses annual improvement targets, a summary report of the previous year's progress against such targets;
- (c) details of any contamination or decontamination of the site which has occurred;
- (d) the topographical surveys required by condition 3.4.3 other than those submitted as part of a CQA validation report;
- (e) the volumetric difference (reported in cubic metres) between the most recent topographical survey and the previous annual topographical survey i.e. the additional volume of the landfill void that is occupied by waste;

- (f) an assessment of the settlement behavior of the landfill body based on the difference between the most recent topographical survey and previous annual topographical survey for the areas of the landfill which did not receive waste between the surveys;
 - (g) a calculation of the remaining capacity (reported in cubic metres) derived from the pre-settlement contours and the most recent topographical survey;
- 4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the 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 5 table S5.1;
 - (b) for the reporting periods specified in schedule 5 table S5.1 and using the forms specified in schedule 5 table S5.2; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.3 A summary report of the waste types and quantities accepted and removed from the site shall be made for each quarter. It shall be submitted to the Agency within one month of the end of the quarter and shall be in the format required by the Agency.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding 4 years, submit to the Agency, within 6 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 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency

4.3 Notifications

- 4.3.1 The Agency shall be notified without delay following the detection of:
 - (a) any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution;
 - (b) the breach of a limit specified in the permit;
 - (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 6 to this permit within the time period specified in that schedule.
- 4.3.3 Prior written notification shall be given to the Agency of the following events and in the specified timescales:
 - (a) as soon as practicable prior to the permanent cessation of any of the permitted activities;
 - (b) as soon as practicable prior to the cessation of the landfill disposal activities, for a period likely to exceed 1 month; and
 - (c) at least 7 days prior to the resumption of the landfill disposal activities after a cessation notified under (b) above.

- 4.3.4 Where the 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 Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.5 The Agency shall be notified within 7 days of any changes in technically competent management and the name of any incoming person together with evidence that such person has the required technical competence.
- 4.3.6 The Agency shall be provided, within 14 days of the operator or any relevant person being convicted of a relevant offence, (unless such information has already been notified to the Agency), with details of the nature of the offence, the place and date of conviction, and the sentence imposed.
- 4.3.7 The Agency shall be notified within 14 days of the operator and/or any relevant person lodging an appeal against a conviction for any relevant offence and of the outcome when the appeal is decided.
- 4.3.8 The 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) any change in the operator's trading name, registered name or registered office address;
 - (b) 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); and
 - (c) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 7 shall have the meaning given in that schedule.

Schedule 1 - Operations

Table S1.1 Activities

Activity listed in schedule 1 of the PPC Regulations	Description of specified activity	Limits of specified activity
Section 5.2 Part A(1) (b), The disposal of waste in a landfill.	Landfill for inert waste (landfill classification under the Landfill Regulations 2002)	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.8, as an integral part of landfilling.

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	The responses to questions B2.1, B2.2, B2.3, B2.4, B2.5, B2.7, B2.8, B2.9 and B2.11 of Part B of the Landfill Application Form. Excluding the answers to the following questions: B2.2.1 – B2.2.8 (relating to basal and side slope engineering), B1.4.2 (relating to the Stability Risk Assessment), B 2.2.37 (relating to surface water management), B2.2.52 (relating to perimeter landfill gas monitoring proposals and control and trigger levels), B 2.2.48 (relating to in waste landfill gas monitoring well proposals), B2.2.64 and B2.2.77 (relating to particulate matter management and birds, vermin and insect management and control).	09/05/2006
Response to Schedule 4 Notice	All Excluding the answers to the following questions: Question 4 (relating to revisiting and completing Form 1 IPPC1 Part B correctly), Question 5 (relating to submitting new HRA for the site, specifically: relating to groundwater monitoring and level management and groundwater monitoring plan), Question 6a, 6b, 6c and 6d (relating to providing a new SRA, specifically: Christmas Tree lining system and stability and location, shear strength data and lifts for compaction).	27/11/2006

Table S1.3 Improvement programme requirements

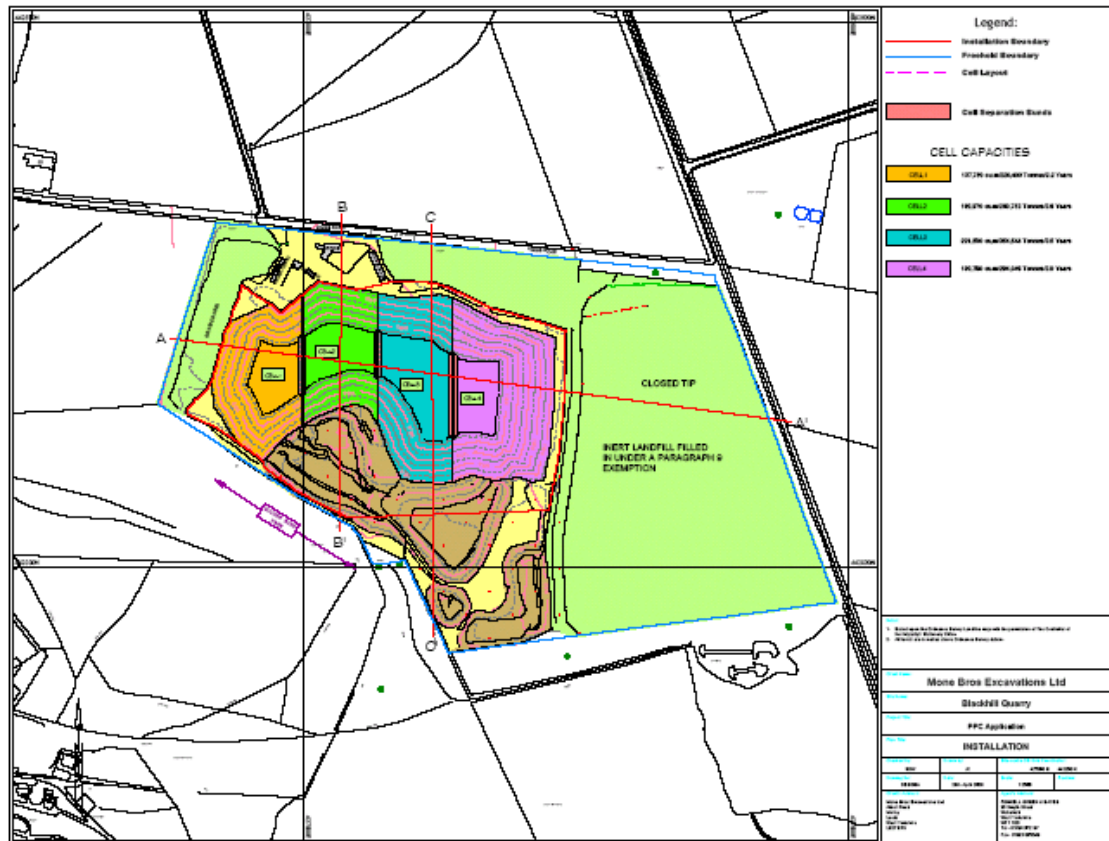
Reference	Requirement	Date
Table S1.3[1]	The Operator shall submit to the Agency for approval, a Surface Water Management Plan for the Installation which details how surface water is managed at the site and includes a drawing showing the surface water features and proposed surface water monitoring locations.	22/06/09
Table S1.3[2a]	The Operator shall submit to the Agency for approval, proposals for an additional borehole located along the down-hydraulic gradient boundary of the landfill. The proposals shall include the location and construction details of the borehole with accompanying justification.	22/06/09
Table S1.3[2b]	The borehole shall be constructed in accordance with the approved proposals.	22/09/09
Table S1.3[3]	The Operator shall undertake monitoring of groundwater levels and groundwater quality on a monthly basis for 6 months. Monitoring shall be undertaken for the parameters listed in Table S4.2. A review of groundwater quality and groundwater flow direction shall then be undertaken and the results submitted to the Agency for approval.	22/01/10
Table S1.3[4]	The Operator shall submit to the Agency for approval, proposals to install permanent landfill gas monitoring wells within the waste mass. These wells shall be constructed on a progressive basis as each cell is completed. The proposals shall include details of: - the number and location of monitoring points; - the construction methodology and design of the gas wells and; - the timetable for their installation. The in-waste gas wells shall be installed as agreed in writing with the Environment Agency.	22/07/09
Table S1.3[5]	The Operator shall submit to the Agency for approval, proposals for implementing an appropriate particulate matter and PM10 monitoring regime in accordance with Agency guidance. The programme shall then be implemented.	22/08/09
Table S1.3[6]	The Operator shall submit to the Agency for approval, a Training and Development Plan for the Installation which details how ongoing technical and professional development for staff is managed.	22/08/09

Table S1.4A Pre-operational measures

Reference	Pre-operational measures
1	Prior to construction of each cell, the Operator shall submit to the Agency for approval, written proposals for the specification of the geological barrier. The proposals shall include details of the construction methodology, design and installation of the basal and sidewall lining system, in accordance with condition 2.7. Following agreement with the Agency the Operator shall construct the artificial geological barrier to the agreed standards and specification.
2	Where existing deposits of waste straddle the installation boundary, such as the waste shown on the south of section C-C ¹ , on plan DESIDE 6B such wastes shall be removed down to the base, and any adjoining wastes that do not straddle the boundary (and which are not to be removed) shall be left in a stable manner. The removed wastes shown on section C-C ¹ that straddle the boundary, shall be redeposited to an appropriately licensed or permitted site or may be redeposited in the quarry void provided that the wastes are suitable inert waste to be used for the construction purposes.

Table S1.5 Annual waste input limits	
Category	Limit Tonnes/ Year
Inert Waste	50,000

Schedule 2 - Site plan



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Schedule 3 - List of permitted wastes

WASTES WHICH MAY BE ACCEPTED (SUBJECT TO RESTRICTIONS)

EWG Code	Description	Restrictions
10 11 03	Waste glass based fibrous materials	Only without organic binders
15 01 07	Glass packaging	
17 01 01	Concrete	Selected C&D waste only ^(a)
17 01 02	Bricks	Selected C&D waste only ^(a)
17 01 03	Tiles and ceramics	Selected C&D waste only ^(a)
17 01 07	Mixtures of concrete, bricks, tiles and ceramics	Selected C&D waste only ^(a)
17 05 04	Soil and stones	Excluding topsoil, peat; excluding soil and stones from contaminated sites
20 02 02	Soil and stones	Only from garden and parks waste; Excluding top soil, peat

- (a) Selected construction and demolition waste (C & D waste): with low contents of other types of materials (like metals, plastic, organics, wood, rubber, etc). The origin of the waste must be known.

No C & D waste from constructions, polluted with inorganic or organic dangerous substances, e.g. because of production processes in the construction, soil pollution, storage and usage of pesticides or other dangerous substances, etc., unless it is made clear that the demolished construction was not significantly polluted.

No C & D waste from constructions, treated, covered or painted with materials, containing dangerous substances in significant amounts.

Schedule 4 – Emissions and monitoring

Table S4.1 Trigger levels for emissions into groundwater and monitoring requirements

Monitoring point reference	Parameter	Limit	Reference Period	Monitoring frequency	Monitoring standard or method
BH3, plus any additional down-gradient monitoring boreholes as required in Table S1.3 [2].	Chloride	250mg/l	Spot Sample	Quarterly.	In accordance with Environment Agency guidance
	Ammoniacal Nitrogen	0.39mg/l			
	Sulphate	250mg/l			
	Magnesium	50mg/l			
	Cadmium	0.1µg/l			

Table S4.2 Groundwater – other monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
BH1, BH2 and BH3, as shown on Drawing HRA01 from the Schedule 4 Response.	Water level	Monthly	In accordance with Environment Agency guidance	None
	pH	Monthly for 6 months, then quarterly thereafter		
Plus any additional boreholes required in Table S1.3 [2].	Electrical Conductivity			
	Dissolved Oxygen			
	Total alkalinity			
	TON			
	TOC			
	Calcium			
	Magnesium			
	Sodium			
	Potassium			
	Sulphate			
	Chloride			
	Iron			
	Manganese			
	Cadmium			
	Nickel			
	Zinc			

Table S4.3 Landfill gas in-waste monitoring boreholes – limits and monitoring requirements

Monitoring point Ref. /description	Parameter	Limit (including units)	Monitoring frequency	Monitoring standard or method
In waste gas monitoring boreholes. Monitoring points to be agreed in accordance with Table S1.3 [4]	Methane	No limits	Monthly	In accordance with Environment Agency guidance
	Carbon Dioxide			
	Oxygen			
	Atmospheric pressure			
	Differential Pressure			
	Temperature			
	Meteorological data			

Table S4.4 Surface water – other monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Monitoring points to be agreed in accordance with Table S1.3(1).	Volume collected in sump, pH, electrical conductivity, temperature, dissolved oxygen, NH4-N, Cl, Ni, and COD.	Quarterly	In accordance with Environment Agency guidance	None

Schedule 5 - Reporting

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

Table S5.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Surface water Parameters as required by condition 3.4.1	To be implemented following completion of improvements set out in Table S1.3(1)	Every three months	2 months from permit issue
Groundwater Parameters as required by condition 3.4.1	BH1, BH2, BH3	Every 3 Months	1 month from permit issue.
Landfill gas monitoring Parameters as required by condition 3.4.1	IWM1, IWM2, IWM3, IWM4	Monthly for a period of 12 months and then every three months	1 month from permit issue.

Table S5.2 Reporting forms		
Media/parameter	Reporting Format	Date of Form
Controlled water	Form water 1 or other reporting format to be agreed in writing with the Agency	
Groundwater	Form groundwater 1 or other reporting format to be agreed in writing with the Agency	
Landfill gas	Form Gas 1 or other reporting format to be agreed in writing with the Agency	
Waste Return	Waste Return Form RATS2E	
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Agency	

Schedule 6 - Notification

This page outlines 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 PPC Regulations.

Part A

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

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission 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	

Drafting Note: The time periods for notification should be based on the site specific risk and deviations from 24 hours should be justified.

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 supplied 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 installation in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of *MONE BROTHERS LIMITED*

Schedule 7 - Interpretation

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

"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 4 to the PPC Regulations

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

- For emissions to surface water, the surface water quality up-gradient of the site; or
- For emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

"Construction Proposals";

- for new cells, means written information at a level of detail appropriate to the complexity and pollution risk, on stability assessment (where relevant) and the construction quality assurance (CQA) programme in relation to the new cell.
- for landfill infrastructure, means the design, specifications of materials selected, stability assessment (where relevant) and the construction quality assurance (CQA) programme in relation to the landfill infrastructure.

"CQA Validation Report" means the final "as built" construction and engineering details of the new cell or of the Landfill Infrastructure. It must provide a comprehensive record of the construction and must include, where relevant:

- The results of all testing required by the CQA programme - this must include the records of any failed tests with a written explanation, details of the remedial action taken, referenced to the appropriate secondary testing;
- Plans showing the location of all tests;
- "As-built" plans and sections of the works;
- Copies of the site engineer's daily records;
- Records of any problems or non-compliance and the solution applied;
- Any other site specific information considered relevant to proving the integrity of the new cell or Landfill Infrastructure;
- Validation by a qualified person that all of the construction has been carried out in accordance with the construction proposals.

"Landfill Infrastructure" means any specified element of the:

- surface water drainage systems;
- groundwater monitoring boreholes;
- landfill gas monitoring boreholes;

within the Site.

"Landfill Regulations" means the Landfill (England and Wales) Regulations SI 2002 No. 1559, and words and expressions used in this permit which are also used in the Regulations shall have the same meanings as in those Regulations.

"Land Protection Guidance" means Agency guidance "H7 - Guidance on the protection of land under the PPC Regime: Application site report and site protection monitoring programme".

"Liquids" means any liquid other than leachate within the engineered landfill containment system.

"New Cell" means any new cell, part of a cell or other similar new area of the Site where waste deposit is to commence after issue of this permit and can comprise:

- groundwater under-drainage system;
- sub-grade;
- artificially established geological barriers;
- cell or area surface water drainage system;
- side wall subgrade and containment systems;

for the new cell.

"No impact" means that the change made to the construction process will not alter the agreed design criteria, specification or performance in a way that has a negative effect.

"notify without delay" or "notified without delay" means that a telephone call can be used, whereas all other reports and notifications must be supplied in writing, either electronically or on paper.

"PPC Regulations" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

"Quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"Relevant person" and "relevant conviction" shall have the meanings given to them in the Environmental Protection Act 1990

"Site Protection and Monitoring Programme" means a document which meets the requirements for Site

Protection and Monitoring Programmes described in the Land Protection Guidance.
“*Technically competent management*” and “*technical competence*” shall have the meanings given to them in the Environmental Protection Act 1990.
“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, List of Wastes (Northern Ireland) Regulations 2005 (as amended), or The Special Waste Amendment (Scotland) Regulations 2004 as appropriate, and in relation to hazardous waste, includes the asterisk
“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.

END OF PERMIT