

# Notice of variation with introductory note

## The Environmental Permitting (England & Wales) Regulations 2010

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Dunton Brothers Limited  
Land at Meadhams Farm Brickworks  
Ley Hill  
Chesham  
Buckinghamshire  
HP5 1UW

**Variation application number**

EPR/ZP3196NA/V006

**Permit number**

EPR/ZP3196NA

# Land at Meadhams Farm Brickworks

## Permit number EPR/ZP3196NA

### Introductory note

#### **This introductory note does not form a part of the notice**

The following notice gives notice of the variation of an environmental permit.

The effect of the variation is to change the permitted activity from a waste operation to an installation and to increase the permit boundary to include a new quarry for the disposal of inert waste. The activity applied for is landfill in accordance with section 5.2 Part A(1) (a) of the Environmental Permitting Regulations.

The landfill installation is classified as a non-hazardous landfill with a cell for the disposal of stabilised, non-reactive hazardous waste (asbestos).

The site is located within a predominantly rural setting, approximately 600 metres to the south of the village of Ley Hill and 2.5 kilometres east of Chesham in Buckinghamshire and is centred on National Grid Reference SP 98690 01159. The site is surrounded by open land, farmland and woodland. There is land associated with residential properties adjacent to the site access road.

The site was developed as a brickworks with associated quarrying activities and waste disposal was permitted in the quarries. The site was granted a Waste Disposal Licence on 17/03/1986 by Buckinghamshire County Council for the landfill of a range of wastes including industrial, commercial and household wastes. The site ceased to accept waste prior to July 2002 and operations concentrated on quarrying and the manufacture of bricks. The quarry and brickworks closed in 2013. Part of the permitted area has been filled but the majority of the remaining void, Mild Quarry, will be the footprint of the asbestos cell. The cell will overlie existing waste deposits in the central section of its southern boundary. Only inert waste will be deposited in the new area, Strong Quarry, which will be filled progressively from its north east corner. The site will be restored to agricultural and woodland use, to tie in with the existing woodland on the southern and south eastern boundaries of the site.

Due to the types of waste to be deposited, no landfill gas will be generated and only minimal leachate. The operator will monitor for landfill gas in the existing perimeter boreholes and for leachate in the existing leachate well. Groundwater quality will be monitored in the existing boreholes around the site.

The site has the potential to give rise to emissions including dust and fibres generated from the movement of vehicles around the site and during waste deposit. The operator requires all vehicles arriving at the site to be sheeted and will enforce a speed limit on site. Site roads will be sprayed with water as necessary to prevent dust arising. Drop heights will be kept to a minimum during waste discharge and a supply of water will be available to spray the waste as required. Only asbestos waste that is double bagged or is in sealed containers will be accepted for disposal in Mild Quarry and it will be transported to the tipping area in enclosed vehicles. Prior to discharge, the waste will be checked to ensure it is double bagged and after discharge it will be covered immediately. Monitoring of dust will be carried out with twice daily, visual monitoring and monthly monitoring by deposit gauge. Monitoring of asbestos will take place quarterly and occur during waste deposit.

The schedules specify the changes made to the original permit.

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

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application received	11/11/85	Application for waste disposal licence. (EPR reference EPR/ZP3196NA/A001)
Licence issued WDA 235	17/03/86	Licence issued to Dunton Brothers Limited for waste disposal by landfill.
Modification issued	10/03/88	Modification initiated by Regulator. (EPR reference EPR/ZP3196NA/V002)
Modification issued	27/11/89	Modification initiated by Regulator. (EPR reference EPR/ZP3196NA/V003)
Modification issued	24/06/92	Modification initiated by Regulator. (EPR reference EPR/ZP3196NA/V004)
Modification issued	02/05/95	Modification initiated by Regulator. (EPR reference EPR/ZP3196NA/V005)
Variation application EPR/ZP3196NA/V006	Duly made 22/07/15	Application to change permitted activity from a waste operation to an installation and increase permit boundary.
Variation determined EPR/ZP3196NA/V006 Billing reference: QP3536AJ	27/07/16	Varied permit issued for a non-hazardous landfill with asbestos cell.

End of introductory note

# Notice of variation

## 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

**Permit number**

**EPR/ZP3196NA**

**Issued to**

**Dunton Brothers Limited** ("the operator")

whose registered office is

**Freshfield Lane  
Danehill  
Haywards Heath  
West Sussex  
RH17 7HH**

company registration number **03239979**

to operate a regulated facility at

**Land at Meadhams Farm Brickworks  
Ley Hill  
Chesham  
Buckinghamshire  
HP5 1UW**

to the extent set out in the schedules.

The notice shall take effect from 27/07/16.

Name	Date
Claire Roberts	27/07/16

Authorised on behalf of the Environment Agency

## **Schedule 1 – conditions to be deleted**

The following conditions are deleted as a result of the application made by the operator:

All conditions, 1 to 43

## **Schedule 2 – conditions to be amended**

None

## **Schedule 3 – conditions to be added**

The following conditions are added as a result of the application made by the operator:

# **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 Finance**

- 1.2.1 The financial provision for meeting the obligations under this permit set out in the agreement made between the operator and the Environment Agency dated 27/07/16 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 Environment Agency.
- 1.2.2 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 1.2.1; and
  - (c) the estimated costs for the closure and aftercare of the landfill.

## **1.3 Energy efficiency**

1.3.1 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) Implement any appropriate measures identified by a review.

## **1.4 Efficient use of raw materials**

1.4.1 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.

## **1.5 Avoidance, recovery and disposal of wastes produced by the activities**

1.5.1 The operator shall:

- (a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;
- (b) review and record at least every four years whether changes to those measures should be made; and
- (c) 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 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.

## **2.5 Pre-operational conditions**

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1, table S1.4 have been completed.

## **2.6 Landfill Engineering**

- 2.6.1 No construction of any new cell of the landfill shall commence until the operator has submitted construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.
- 2.6.2 Where the operator proposes to construct any new cell other than the first cell, but proposes no change from the design of the most recently approved cell which could have any impact on the performance of any element of the design, no construction of the new cell shall commence until the operator has submitted a cell layout drawing and the Environment Agency has confirmed that it is satisfied with the cell layout drawing.
- 2.6.3 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 Environment Agency.
- 2.6.4 No disposal of waste shall take place in a new cell until the operator has submitted a CQA Validation Report and the Environment Agency has confirmed that it is satisfied with the CQA Validation Report.
- 2.6.5 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 Environment Agency has confirmed that it is satisfied with the construction proposals.
- 2.6.6 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 Environment Agency.
- 2.6.7 The operator shall submit a CQA Validation Report as soon as practicable following the construction of the relevant landfill infrastructure.
- 2.6.8 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.6.5 and 2.6.6 do not apply and the relevant landfill infrastructure may be constructed,

provided that the construction proposals are submitted to the Environment Agency as soon as practicable.

- 2.6.9 For the purposes of conditions 2.6.1, 2.6.2, 2.6.4 and 2.6.5, the Environment Agency shall be deemed to be satisfied where it has not, within the period of four 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.
- 2.6.10 Where the Environment Agency has required further information under condition 2.6.9(b), the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the further information, either:
- (a) confirmed whether or not it is satisfied; or
  - (b) informed the operator that it requires further information.

## **2.7 Waste acceptance**

- 2.7.1 Wastes shall only be accepted for disposal if:
- (a) they are listed in schedule 2, tables S2.1, S2.2 or S2.3, and
  - (b) they are non-hazardous waste or asbestos and construction materials containing asbestos, and
  - (c) they are not whole used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm), and
  - (d) they are not shredded used tyres, and
  - (e) they are not liquid waste (including waste waters but excluding sludge), and
  - (f) they are not 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, and
  - (g) all the relevant waste acceptance procedures have been completed, and
  - (h) they fulfil the relevant waste acceptance criteria, and
  - (i) they have not been diluted or mixed solely to meet the relevant waste acceptance criteria, and
  - (j) they are wastes which have 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
  - (k) they are wastes with a code beginning with 07 05 and 16 03, they shall exclude waste medicinal products and pharmaceutically active waste materials arising from their manufacture.
- 2.7.2 Wastes shall only be accepted for restoration where:
- (a) they are listed in schedule 2, table S2.4, and
  - (b) they are accepted in accordance with a restoration plan approved in writing by the Environment Agency.
- 2.7.3 Asbestos containing wastes and construction materials containing asbestos shall only be disposed of with other suitable wastes and not in cells containing biodegradable non-hazardous waste. Asbestos waste and construction material containing asbestos must meet the relevant waste acceptance criteria and must be covered daily and before each compaction operation with appropriate material.



- 2.7.4 The operator shall:
- (a) visually inspect without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the landfill and waste at the point of deposit; and
  - (b) be satisfied that the waste conforms to the requirements of condition 2.7.1.
- 2.7.5 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.
- 2.7.6 The operator on accepting each delivery of waste shall provide a receipt to the person delivering it.
- 2.7.7 The total quantity of waste that shall be deposited in the landfill shall be limited by the pre-settlement levels shown on drawing ESID13.
- 2.7.8 The quantity of waste that is deposited or recovered in the landfill in any year shall not exceed the limits in schedule 1, table S1.5.
- 2.7.9 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 municipal waste and 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.
- 2.7.10 The operator shall maintain and implement a system to record the disposal location of any hazardous waste.

## **2.8 Closure and aftercare**

- 2.8.1 The operator shall maintain a closure and aftercare management plan.

## **3 Emissions and monitoring**

### **3.1 Emissions to water, air or land**

- 3.1.1 The limits in schedule 3 shall not be exceeded.
- 3.1.2 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3, table S3.1.
- 3.1.3 The operator shall prevent the input of any hazardous substances from the activities into groundwater.
- 3.1.4 The operator shall submit to the Environment Agency a review of the Hydrogeological Risk Assessment:
- (a) between nine and six months prior to the sixth anniversary of the granting of the permit, and
  - (b) between nine and six months prior to every subsequent six years after the fourth anniversary of the granting of the permit.

### **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 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 and any other actions specified in the following tables in schedule 3 to this permit:

- (a) Leachate specified in tables S3.7;
- (b) Point source emissions specified in table S3.1;
- (c) Groundwater specified in tables S3.2 and S3.5;
- (d) Landfill gas specified in tables S3.3 and S3.6; and
- (e) Particulate matter specified in table S3.4.

- 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 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) annually, and
- (b) prior to the disposal of waste in any new cell or new development area of the landfill, and

- (c) following closure of the landfill or part of the landfill.

## 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) the results of groundwater monitoring;
  - (ii) sub-surface landfill gas monitoring;
  - (iii) leachate quality monitoring;
  - (iv) waste types and quantities;
  - (v) the location of hazardous waste deposits; and
  - (vi) the specification and as built drawings of the basal, sidewall and capping engineering systems.

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 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 ('the annual report') shall be submitted to the Environment Agency by 31st January each year or such other date as may be agreed in writing by the Agency, with the exception of 4.2.2(c) that must be provided by the end of February 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. The review will include written descriptions of the improvements made to operational performance during the year, action plans developed and planned improvements for the coming year;
- (b) the energy consumed at the site, reported in the format set out in schedule 4, table S4.2;
- (c) the topographical surveys required by condition 3.5.3 other than those submitted as part of a CQA validation report;
- (d) 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;
- (e) an assessment of the settlement behaviour 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;

- (f) a calculation of the remaining capacity (reported in cubic metres) derived from the pre-settlement contours and the most recent topographical survey;
  - (g) a plan(s) ('the monitoring and extraction point plan – MEPP') showing the locations of leachate and landfill gas extraction and all monitoring points.
- 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) using the forms specified in schedule 4, table S4.3 or other reporting format as agreed in writing with the Environment Agency; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 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.
- 4.2.5 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.

### 4.3 Notifications

- 4.3.1 (a) 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—
- (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) in the event 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) 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.
- 4.3.2 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 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.

4.3.4 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 "immediately", in which case it may be provided by telephone.

# Schedule 1 – Operations

Table S1.1 activities				
Activity reference	WFD Annex I and II operations (where applicable)	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
A1	D5 –Specially engineered landfill R10 – Land treatment resulting in benefit to agriculture or ecology	Section 5.2 Part A(1) (a) The disposal of waste in a landfill.	Landfill for non-hazardous waste and landfill restoration.	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.7, as an integral part of landfilling.
A2	D5 –Specially engineered landfill	Section 5.2 Part A(1) (a) The disposal of waste in a landfill.	Landfill for hazardous waste (asbestos).	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.7, as an integral part of landfilling.
Directly associated activities				
A3	D6 – release to water body except seas/ oceans	N/A	Discharges of site drainage from the landfill.	From surface water management system to point of entry to soakaway.
A4	-	N/A	Storage of fuel for operation of site plant and equipment	Storage tanks.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/ZP3196NA/V006	<p>Response to section 3a of Part C3 application form – technical standards.</p> <p>Environmental Setting and Installation Design (reference 407.03563.0019/ESID), March 2015, including:</p> <ul style="list-style-type: none"> <li>Appendix ESID2 Proposed Waste list;</li> <li>Appendix ESID3 Dust, Fibre and Particulate Management Plan</li> </ul> <p>Hydrogeological Risk Assessment (reference 407.03563.0019/HRA), March 2015:</p> <ul style="list-style-type: none"> <li>Section 5 Requisite Surveillance</li> </ul> <p>H1 Annex A Environmental Risk Assessment (reference 407.03563.0019/H1), March 2015:</p> <ul style="list-style-type: none"> <li>Risk management measures described in tables 3, 4, 5 and 6</li> </ul>	17/04/15
Response to request for further information	Letter from SLR dated 22/07/15: Question 2 regarding waste acceptance	22/07/15

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Response to request for further information (schedule 5 notice dated 22/10/15)	<p>Letter from SLR dated 16/11/15:</p> <p>Question 1 - confirmation that will operate in accordance with How to Comply with your Environmental Permit; Additional Guidance for the Landfill Sector.</p> <p>Question 2 regarding final waste contours – Drawing reference ESID13</p> <p>Question 4a regarding Dust, Fibre and Particulate Monitoring Plan – Drawings reference DFPM/01 and DFPM/02</p> <p>Question 4b – details of wheel cleaning facility</p> <p>Question 4c – details of real-time fibre and particulate monitoring</p> <p>Question 4d – locations of dust monitoring points</p> <p>Question 6 – Restoration Plan, reference 407.03563.00019, dated November 2015</p> <p>Question 7 – details regarding surface water management and drawing reference ESID15</p> <p>Question 8 – Landfill Gas Action Plan, reference 407.03563.00019, dated November 2015</p>	16/11/15
Surface Water Management Plan	As approved in accordance with pre-operational measure PO1 in table S1.4.	-
Revised monitoring point drawing including additional dust monitoring points for Strong Quarry	As approved in accordance with pre-operational measure PO2 in table S1.4.	-

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1	The operator shall submit in writing to the Environment Agency for written approval revised groundwater compliance limits for each compliance point. The operator shall review the compliance parameters based on the source term and the revised compliance limits (and parameters where appropriate) shall be derived from existing groundwater monitoring data and new groundwater monitoring data taken over a 12 month period.	31/10/17
IC2	<p>The operator shall submit in writing to the Environment Agency for written approval a plan detailing the measures to be taken to prevent badgers from excavating into the engineered cap above the area of asbestos deposit.</p> <p>The plan shall include details of:</p> <ul style="list-style-type: none"> <li>• The materials to be used; and</li> <li>• The method of installation.</li> </ul> <p>Once approved, the operator shall implement the plan in accordance with the written approval from the Environment Agency.</p>	31/07/17

<b>Table S1.4 Pre-operational measures</b>	
<b>Reference</b>	<b>Pre-operational Measures</b>
PO1	<p>The operator shall submit a detailed Surface Water Management Plan to the Environment Agency in writing for written approval. The Plan shall include the following:</p> <ul style="list-style-type: none"> <li>• The specifications of the surface water management infrastructure, including the design of the soakaway;</li> <li>• Justification that a soakaway is suitable for the discharge of surface water;</li> <li>• A drawing showing the locations of the surface water management infrastructure;</li> <li>• Details of surface water management during both the operational and after-care phases of the landfill development;</li> <li>• Procedures for the maintenance and repair of the surface water management system.</li> </ul>
PO2	<p>The operator shall submit a revised drawing (ESID7) to the Environment Agency for written approval showing additional locations for monitoring dust at Strong Quarry. The locations should include a minimum of one up-wind and two down-wind (based on prevailing wind direction) of the site and near sensitive receptors. The locations should take account of our guidance TGN M17 "Monitoring Particulate Matter in Ambient Air Around Waste Facilities".</p>

<b>Table S1.5 Annual waste input limits</b>	
<b>Category</b>	<b>Limit Tonnes/ Year</b>
Non-hazardous waste	0
Inert waste	45,000
Asbestos waste and construction material containing asbestos	15,000
Waste for restoration	94,950



## Schedule 2 – List of permitted wastes

<b>Table S2.1 Permitted waste types for disposal in the asbestos cell (Mild Quarry)</b>	
<b>Waste code</b>	<b>Description</b>
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 06</b>	<b>insulation materials and asbestos-containing construction materials</b>
17 06 01*	insulation materials containing asbestos
17 06 05*	construction materials containing asbestos

<b>Table S2.2 Permitted waste types for disposal (Strong Quarry)</b>	
<b>Waste code</b>	<b>Description</b>
<b>01</b>	<b>Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals</b>
<b>01 01</b>	<b>wastes from mineral excavation</b>
01 01 02	wastes from mineral non-metalliferous excavation
<b>01 03</b>	<b>wastes from physical and chemical processing of metalliferous minerals</b>
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
<b>01 04</b>	<b>wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
<b>10</b>	<b>Wastes from thermal processes</b>
<b>10 01</b>	<b>wastes from power stations and other combustion plants (except 19)</b>
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
<b>10 11</b>	<b>wastes from manufacture of glass and glass products</b>
10 11 03	waste glass-based fibrous materials (without organic binders)
<b>10 12</b>	<b>wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
<b>15</b>	<b>Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
15 01 07	glass packaging
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 01</b>	<b>concrete, bricks, tiles and ceramics</b>
17 01 01	concrete

<b>Table S2.2 Permitted waste types for disposal (Strong Quarry)</b>	
<b>Waste code</b>	<b>Description</b>
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
<b>17 02</b>	<b>wood, glass and plastic</b>
17 02 02	glass
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	soil and stones other than those mentioned in 17 05 03 (excluding topsoil, peat and soil and stones from contaminated sites)
<b>17 09</b>	<b>other construction and demolition wastes</b>
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
<b>19</b>	<b>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</b>
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 05	glass
19 12 09	minerals (for example sand, stones)
<b>20</b>	<b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>
<b>20 01</b>	<b>separately collected fractions (except 15 01)</b>
20 02 02	soil and stones (only from garden and parks waste, excluding topsoil and peat)

<b>Table S2.3 Permitted waste types – inert waste cover for hazardous waste (Mild Quarry)</b>	
<b>Waste code</b>	<b>Description</b>
<b>10</b>	<b>Wastes from thermal processes</b>
<b>10 11</b>	<b>wastes from manufacture of glass and glass products</b>
10 11 03	waste glass-based fibrous materials
<b>15</b>	<b>Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
15 01 07	glass packaging
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 01</b>	<b>concrete, bricks, tiles and ceramics</b>
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics

<b>Table S2.3 Permitted waste types – inert waste cover for hazardous waste (Mild Quarry)</b>	
<b>Waste code</b>	<b>Description</b>
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<b>17 02</b>	<b>wood, glass and plastic</b>
17 02 02	glass
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	soil and stones other than those mentioned in 17 05 03 (excluding topsoil, peat and soil and stones from contaminated sites)
<b>19</b>	<b>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</b>
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 05	glass
<b>20</b>	<b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>
<b>20 01</b>	<b>separately collected fractions (except 15 01)</b>
20 01 02	glass

<b>Table S2.4 Permitted waste types for restoration</b>	
<b>Waste code</b>	<b>Description</b>
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
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
<b>20</b>	<b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

## Schedule 3 – Emissions and monitoring

<b>Table S3.1 Point source emissions to water (other than sewer) and land – emission limits and monitoring requirements</b>						
<b>Emission point Ref. &amp; Location</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (incl unit)</b>	<b>Reference Period</b>	<b>Monitoring Frequency</b>	<b>Monitoring Standard or Method</b>
Soakaway as shown on drawing reference ESID15	None specified	Surface drainage	None specified	None specified	None specified	None specified

<b>Table S3.2 Groundwater – emission limits and monitoring requirements</b>					
<b>Monitoring point reference</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference Period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
BH01, BH02, BH03R, BH04 as shown on drawing reference ESID7	Arsenic	0.0088 mg/l	Spot Sample	Quarterly	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), <a href="http://www.gov.uk">risk-assessment-for-leachate (www.gov.uk)</a> , or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	Cadmium	0.0001 mg/l			
	Chromium	0.05 mg/l			
	Mercury	0.00001 mg/l			
	Nickel	0.02 mg/l			
	Selenium	0.01 mg/l			
	Sulphate	250 mg/l			

<b>Monitoring point Ref./description</b>	<b>Parameter</b>	<b>Limit (including units)</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
5M as shown on drawing reference ESID7	Methane	1% v/v	Quarterly	As specified in Environment Agency guidance LFTGN03, "Guidance on the management of landfill gas", September 2004, or such other subsequent guidance as may be agreed.
	Carbon Dioxide, Oxygen, Atmospheric Pressure, Differential Pressure	None specified		
1M, 2M, 3M, 4M as shown on drawing reference ESID7	Methane, Carbon Dioxide, Oxygen, Atmospheric Pressure, Differential Pressure	None specified		

<b>Monitoring Point Ref. /Description</b>	<b>Parameter</b>	<b>Limit</b>	<b>Reference Period</b>	<b>Monitoring Frequency</b>	<b>Monitoring Standard or Method</b>
Two points 20m downwind of asbestos disposal cell	Asbestos Fibres	Where total fibre concentration exceeds 0.01 fibres/ml in any sample, that sample must be submitted for electron microscopy to confirm the concentration of Asbestos Fibres present.	2 hours	Quarterly	While Asbestos is being deposited. Pumped sampling 1m above ground level Flow rate = 4 litres/minute Minimum sample volume = 480 litres Filter pore size = 1.2µm Asbestos Fibre limit of detection = 0.001 fibres/ ml
50m upwind of asbestos disposal cell	Asbestos Fibres		2 hours	During all downwind monitoring	
Site boundary downwind of asbestos disposal cell	Asbestos Fibres		2 hours	Quarterly	
Two points downwind of the operational area at the site boundary	Particulate Matter	None specified	Spot sample	Daily	Visual assessment
At 4 points labelled "indicative upwind/ downwind asbestos fibre	Deposited Particulate Matter (PM <sub>10</sub> )	200 mg/m <sup>2</sup> /day	4 weeks	Monthly	Omni-directional dust gauges or other monitoring standard as agreed in writing with the Environment Agency.

<b>Monitoring Point Ref. /Description</b>	<b>Parameter</b>	<b>Limit</b>	<b>Reference Period</b>	<b>Monitoring Frequency</b>	<b>Monitoring Standard or Method</b>
location of monitoring equipment" as shown on drawing reference ESID7					As specified in Environment Agency guidance TGN M17 "Monitoring particulate matter in ambient air around waste facilities", version 2, July 2013.

<b>Monitoring Point Ref./Description</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
Up gradient MEPP	Water Level, Electrical Conductivity, Chloride, Ammoniacal Nitrogen, pH	Quarterly	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), <a href="http://www.gov.uk">risk-assessment-for-leachate (www.gov.uk)</a> , or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	Total Alkalinity, Magnesium, Potassium, Total Sulphates, Calcium, Sodium, Chromium, Copper, Iron, Lead, Nickel, Zinc, Manganese	Annually	
	Hazardous substances plus Barium, Molybdenum, Antimony, Selenium, Fluoride, DOC	Annually for first six years of operation	
Down or cross gradient MEPP	Water Level, Electrical Conductivity, Chloride, Ammoniacal Nitrogen, pH	Quarterly	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), <a href="http://www.gov.uk">risk-assessment-for-leachate (www.gov.uk)</a> , or such other subsequent guidance as may be agreed in writing with the Environment Agency.  After the initial 6 year monitoring period for hazardous substances, if the results of quarterly or annual monitoring suggest an increase in contamination, the operator shall also undertake a full leachate hazardous substances screen.
	Total Alkalinity, Magnesium, Potassium, Total Sulphates, Calcium, Sodium, Chromium, Copper, Iron, Lead, Nickel, Zinc, Manganese	Annually	
	Hazardous substances detected in leachate plus Barium, Molybdenum, Antimony, Selenium, Fluoride, DOC	Annually for first six years of operation then every two years	
MEPP	Base of monitoring point (mAOD)	Annually	

<b>Table S3.6 Landfill gas – other monitoring requirements</b>				
<b>Monitoring Point Ref. /Description</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
In-waste monitoring points GM1, GM2, GM3, GM4, GM5, GM6, GM7, GM8 as shown on drawing reference ESID7	Methane, Carbon Dioxide, Oxygen, Atmospheric Pressure, Differential Pressure	Quarterly	Calibrated handheld monitoring instrument. In accordance with Environment Agency guidance LFTGN03 “Guidance on the management of landfill gas”, September 2004.	None
One in-waste monitoring point in Mild Quarry	Trace gases	Annually	Trace gas analysis in accordance with Environment Agency guidance LFTGN04 “Guidance for monitoring trace components in landfill gas”, version 3.0, 2010, or a trace gas characterisation method agreed with the Environment Agency or such other subsequent guidance as may be agreed in writing with the Environment Agency.	None

<b>Table S3.7 Leachate – other monitoring requirements</b>				
<b>Monitoring point reference or description</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
LMP as shown on drawing reference ESID7	pH, Electrical Conductivity, Total Alkalinity, Ammoniacal Nitrogen, Chloride, Calcium, Magnesium, Potassium, Sulphide, Chemical Oxygen Demand, Biological Oxygen Demand, Depth to base (mAOD)	Annually	As specified in Environment Agency Guidance LFTGN02 Monitoring of Landfill Leachate, Groundwater and Surface Water’ (February 2003) and <a href="http://www.gov.uk">risk-assessment-for-leachate (www.gov.uk)</a> , or such other subsequent guidance as may be agreed in writing with the Environment Agency.	None
	Hazardous substances	Once every four years		

## Schedule 4 – Reporting

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

<b>Table S4.1 Reporting of monitoring data</b>		
<b>Parameter</b>	<b>Reporting period *</b>	<b>Period ends</b>
Emission to groundwater As specified by schedule 3, table S3.2	Every 3 months	31 March, 30 June, 30 September, 31 December
Landfill gas in external monitoring boreholes As specified by schedule 3, table S3.3	Every 3 months	31 March, 30 June, 30 September, 31 December
Particulate matter in ambient air. As required by schedule 3, table S3.4	Every 6 months	30 June, 31 December
Other groundwater monitoring As specified by schedule 3, table S3.5	Every 3 months	31 March, 30 June, 30 September, 31 December
Other Landfill gas monitoring As specified by schedule 3, table S3.6	Every 3 months	31 March, 30 June, 30 September, 31 December
Trace gas monitoring	Every 12 months	31 December
Other leachate monitoring As specified by schedule 3, table S3.7	Every 12 months	31 December
Meteorological data Landfill Directive, annex III, section 2	Every 12 months	31 December

\* - where the reporting period is 12 months, you may submit this information as part of the 'annual report' required by condition 4.2.2.

<b>Table S4.2 Performance Parameters</b>			
<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Annual total</b>	<b>Unit</b>
Energy used	Annually	-	MWh of electricity or natural gas



<b>Table S4.3 Reporting Forms</b>		
<b>Media/parameter</b>	<b>Reporting Format</b>	<b>Date of Form</b>
Leachate	Form leachate 1 or other reporting format to be agreed in writing with the Environment Agency	27/07/16
Groundwater	Form Groundwater 1 or other reporting format to be agreed in writing with the Environment Agency	27/07/16
Landfill gas	Form LFG 1 or other reporting format to be agreed in writing with the Environment Agency	27/07/16
Particulate matter	Form Particulate 1 or other reporting format to be agreed in writing with the Environment Agency	27/07/16
Waste return	Waste Return Form RATS2E	N/A
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	N/A

# Schedule 5 – 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 EP Regulations.

## Part A

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

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

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

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
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 facility in the preceding 24 months.	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* authorised to sign on behalf of the operator

## Schedule 6 – 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 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.

“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; or
- For emissions of landfill gas, the ground or air outside the site and not attributable to the site.

“Cell layout drawing” means:

(a) A drawing or drawings of the proposed new cell that illustrate(s) in sufficient detail:

- (i) the location of the new cell on the site;
- (ii) the proposed level (Above Ordnance Datum) of the base of the excavation;
- (iii) the proposed finished levels of all containment and leachate drainage layers;
- (iv) the positions of leachate management infrastructure; and
- (v) the positions of landfill gas infrastructure (if appropriate).

(b) A detailed written explanation of any minor design changes from the most recently approved cell that result from the new cell layout. This would include, for example:

- (i) changes to slope length and gradient within the cell;
- (ii) new leachate or landfill gas infrastructure construction design;
- (iii) slope stability issues such as new basal excavation level; and/or
- (iv) depth of waste.

“Construction Proposals” means written information, at a level of detail appropriate to the complexity and pollution risk, on the design, specifications of materials selected, stability assessment (where relevant) and the construction quality assurance (CQA) programme in relation to the New Cell or 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-compliances 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.

“Emissions to land” includes emissions to groundwater.

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

“Exceeded” means that a value is above a permitted limit, or where a range of values or a minimum value is set as a permitted limit it means a value outside that range or below the minimum value, whichever is applicable.

“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 substances” as defined by the Environmental Permitting (England and Wales) Regulations 2010, SI 2010 No.675, schedule 22 and listed in our Hydrogeological risk assessment guidance, annex J to our H1 risk assessment guidance.

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

“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.

“Landfill Infrastructure” means any specified element of the:

- permanent capping;
- temporary capping (i.e. engineered temporary caps not cover materials);
- leachate abstraction systems;
- leachate transfer, treatment and storage systems;
- surface water drainage systems;
- leachate monitoring wells;
- groundwater monitoring boreholes;
- landfill gas monitoring boreholes;
- landfill gas management systems;
- lining within the installation.

within the site.

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

“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.

“Medicinal product” means any medicine licensed by the Medicines and Healthcare products Regulatory Agency (MHRA) or their predecessors under the Medicines Act 1968, section 130.

“MEPP” Monitoring and extraction point plan, required by condition 4.2.2(g) to specify extraction points and routine monitoring locations.

“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;
- permanent geophysical leak location system;
- leak detection layer;
- sub-grade;
- barriers;
- liners;
- leachate collection system;
- leachate abstraction system;
- separation bund/layer;
- 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 affect the agreed design criteria, specification or performance in a way that has a negative effect.

“Previous year” means the 12 month period preceding the month the annual report is submitted in.

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

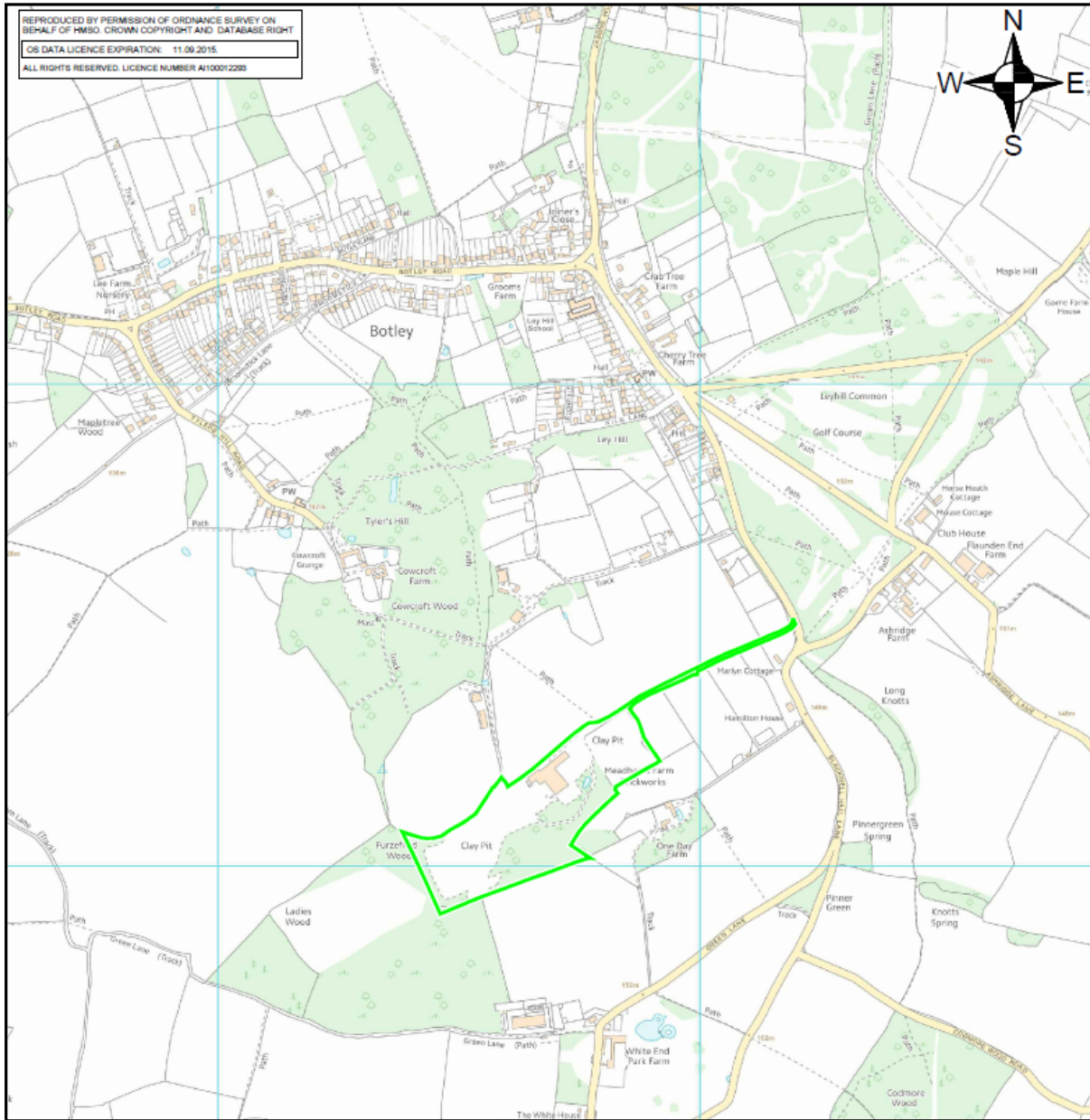
“Relevant waste acceptance criteria” means the waste acceptance criteria and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

“Relevant waste acceptance procedures” means the procedure for the acceptance of waste at landfills and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

“Review of the Hydrogeological Risk Assessment” means a written review of the hydrogeological risk assessment included in the Application, together with any other parts of the Application that addressed the requirements of the EP Regulations. The review shall assess whether the activities of disposal or tipping for the purpose of disposal of waste authorised by the permit continue to meet the requirements of the EP Regulations.

“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.

# Schedule 7 – Site plan



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END OF PERMIT