

creating a better place



**The Company Director and/or Secretary**  
**SITA UK Limited**  
**SITA House**  
**Grenfill Road**  
**Maidenhead**  
**Berkshire**  
**SL6 1ES**

**Our ref: LT 2978**

**15 OCT 2010**

**Date: 12<sup>th</sup> October 2010**

Dear Sir or Madam

**Issue of environmental permit**

**Permit reference: EAEPRSP3131GCA001**

**Applicant: SITA UK Limited**

**Facility: Runfold South Landfill Areas A and C, Guildford Road, Runfold, GU10 1PB**

| ALL              | Seen | Copy | Action | Unit |
|------------------|------|------|--------|------|
| DB               | IS   |      |        |      |
| EG               |      |      |        |      |
| KA               |      |      |        |      |
| LW - for website |      |      |        |      |

I enclose a copy of your permit.

Please look at the table below and note any of the information or actions that apply to your permit.

| If...   | then..  |
|---|---|
| you plan to keep your records at a site other than where the activity takes place | you need to let us know within 20 working days of receiving this letter.  |
| you need to submit quarterly waste returns on waste movements                     | you can get the forms you need from our website <a href="http://www.environment-agency.gov.uk/business/topics/waste/32176.aspx">http://www.environment-agency.gov.uk/business/topics/waste/32176.aspx</a><br>If you do not have web access phone our Customer Contact Centre. |
| you need to submit other returns  | send these to your area office. Speak to your area officer to check local arrangements.   |
| your permit includes an installation  | we've enclosed the pollution inventory letter, notice, schedule and fact sheet.   |
| your permit includes pre-operational and improvement conditions                   | check the deadlines for the completion of measures and make sure you carry them out by the times stated.  |

You also need to read the document 'How to comply with your environmental permit' as this will help you understand what you need to do to meet the conditions of your permit. You can find this on our website at

<http://www.environment-agency.gov.uk/business/topics/permitting/32320.aspx>

If you do not have internet access please telephone our Customer Contact Centre.

Permitting Support Centre, Quadrant 2, 99 Parkway Avenue,  
Parkway Business Park, Sheffield, S9 4WF  
Customer services line: 08708 506 506  
Email: [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk)  
[www.environment-agency.gov.uk](http://www.environment-agency.gov.uk)



INVESTOR IN PEOPLE



## **Rights of appeal**

If you are not happy with any permit condition that has been imposed by the variation you may appeal to the Secretary of State. You must make your appeal by 12<sup>th</sup> April 2011.

Further information about making an appeal and the forms you will need are available from the Planning Inspectorate website or from the contact details below.

The Planning Inspectorate, Room 4/04 Kite Wing, Temple Quay House,  
2 The Square, Temple Quay, Bristol, BS1 6PN. Phone: 0117 3728726  
Email: [environment.appeals@pins.gsi.gov.uk](mailto:environment.appeals@pins.gsi.gov.uk)

You must send written notice of the appeal and the documents listed below to the Secretary of State and to the Planning Inspectorate address above. At the same time you must send us a copy of the notice and documents to

**Victoria Balmer, Appeals Coordinator, Environment Agency, National Permitting Service, Knutsford Road, Latchford, Warrington, WA4 1HG. Phone: 01925 542456**  
Email : [victoria.balmer@environment-agency.gov.uk](mailto:victoria.balmer@environment-agency.gov.uk)

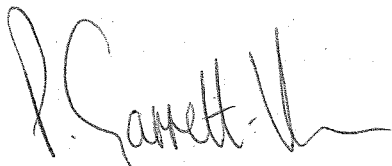
The documents are:

- a statement of the grounds of appeal;
- a copy of any relevant application;
- a copy of any relevant environmental permit;
- a copy of any relevant correspondence between the appellant and the regulator;
- a copy of any decision or notice which is the subject matter of the appeal; and
- a statement indicating whether you wish the appeal to be in the form of a hearing or dealt with by way of written representations.

You may withdraw an appeal by notifying the Secretary of State in writing and sending a copy of that notification to us.

If you have any questions about this permit please phone our Customer Contact Centre on 08708 506 506. They will put you in touch with a local area officer.

Yours sincerely



**Paul Garrett-Vine**  
**Permit Support Centre**



## **Permit with introductory note**

The Environmental Permitting (England & Wales) Regulations 2010

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Runfold South Landfill Areas A and C

**SITA UK Limited**  
Guildford Road  
Runfold  
Farnham  
Surrey  
GU10 1PB

Permit number  
**EPR/SP3131GC**

# Runfold South Landfill Areas A and C

## Permit Number EPR/SP3131GC

### Introductory note

***This introductory note does not form a part of the permit***

The main features of the facility are as follows.

The installation is located within the larger Runfold South landfill formerly a sand quarry complex, which is located approximately 2 kilometres to the east of Farnham, 12 kilometres west of Guildford and approximately 500 metres west of the village of Runfold at National Grid Reference SU 862 471.

Both areas are located on a principal aquifer within a source protection Zone III. Area A is bounded to the north by the A31 and to the south by Area C. The two are separated by an area of unused agricultural land. Moor Park Lane is located to the west of Area A and C; and further to the west, the River Wey (North Branch) flows parallel with Moor Park Lane. The existing non-hazardous landfill site Area B bounds Area C to the east. The former sand pit and restored landfill Runfold North, is located to the north east of the larger Runfold South complex.

Area A will be composed of three phases and Area C limited to a single phase. It is estimated that the two proposed areas combined will provide space for the disposal of approximately 1.3 million tonnes of waste.

The base, side walls and cap of the landfill will be constructed on engineered clay and the waste to be deposited in Areas A is classed as non hazardous however the proposed wastes have a low level of contamination based on rigorous pre-acceptance procedures as a result it is anticipated that only low volumes of gas and leachate would be produced by the waste.

The operator has proposed (see correspondence 29/07/10) to restrict the wastes to be deposited in Area C to inert, which accords with the restrictions placed on them in the planning permission, and have indicated that it is still their intention to develop and operate the site in accordance with their current containment engineering and monitoring proposals. Both areas will be restored to arable grassland in keeping with its surroundings and the scheme permitted under the planning permission.

The operators management system is ISO 14001 compliant.

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

| Status Log of the permit       |          |   |
|--------------------------------|----------|---|
| Detail                         | Date     | Comments  |
| Application EPR/SP3131GC/A001  | 05/03/09 |   |
| Schedule 5 notice              | 18/09/09 | Received 06/11/09   |
| Further information supplied   | 17/12/09 | Received 09/02/10, 19/04/10, 11/06/10, 02/07/10, 29/07/10, 23/08/10 and 01/10/10. |
| Permit EPR/SP3131GC determined | 12/10/10 |   |

End of Introductory Note

## Permit

The Environmental Permitting (England and Wales) Regulations 2010



## Permit

Permit number  
**EPR/SP3131GC**

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

**SITA UK Limited** ("the operator"),

whose registered office is

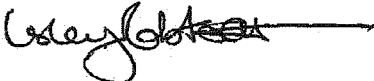
**SITA House  
Grenfill Road  
Maidenhead  
Berkshire  
SL6 1ES**

company registration number 02291198

to operate an installation at

**Runfold South Landfill Areas A and C  
Guildford Road  
Runfold  
Farnham  
Surrey  
GU10 1PB**

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

| Name  | Date                          |
|---|-------------------------------|
|  | 12 <sup>th</sup> October 2010 |

**Lesley Robertson**, Permitting Team Leader

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

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

### 1.2 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 12<sup>th</sup> October 2010 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) Review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
  - (b) Implement any 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 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- (b) If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan specified in schedule 1, table S1.2 or otherwise required under this permit, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **2.4 Improvement programme**

There are no improvement conditions attached to this permit.

## **2.5 Pre-operational conditions**

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.3A have been completed.
- 2.5.2 The operations specified in schedule 1 table S1.3B shall not commence until the measures specified in that table 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, section or sidewall lift, 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 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 for each new cell 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 in Area A for disposal if:
- (a) they are listed in schedule 2, and
  - (b) they are non-hazardous waste, and
  - (c) they are not liquid waste (including waste waters but excluding sludge, and
  - (d) all the relevant waste acceptance procedures 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: 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.
- 2.7.2 Wastes shall only be accepted in Area C for disposal if:
- (a) they are listed in schedule 2, 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 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.
- 2.7.3 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.
- 2.7.4 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.
- 2.7.5 The operator on accepting each delivery of waste shall provide a receipt to the person delivering it.
- 2.7.6 The total quantity of waste that shall be deposited in the landfill shall be limited by the pre-settlement levels shown on drawings:
  - (a) Area A - RSP EPB-1108-05 dated November 2009, and
  - (b) Area C - RSP-EPB-1108-16 dated October 2009.
- 2.7.7 The quantity of waste that is deposited in the landfill in any year shall not exceed the limits in schedule 1 table S1.4.
- 2.7.8 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.
- 2.7.9 For Area A the waste acceptance ratios shall not exceed the limits set out in schedule 1 table S1.5.

## **2.8 Leachate levels**

- 2.8.1 The limits for the level of leachate listed in schedule 3 table S3.1 shall not be exceeded.

## **2.9 Closure and aftercare**

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

## **2.10 Landfill gas management**

- 2.10.1 The operator shall take appropriate measures, including, but not limited to, those specified in any approved landfill gas management plan, to:
  - (a) collect landfill gas; and
  - (b) control the migration of landfill gas.

## **2.11 Pests**

- 2.11.1 The activities shall not give rise to pollution or hazards from pests. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

## **3 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.
- 3.1.2 There shall be no emission from the activities into groundwater of any hazardous substances contrary to the EP Regulations.
- 3.1.3 There shall be no emission from the activities into groundwater of any non-hazardous pollutants so as to cause pollution.
- 3.1.4 The trigger levels for emissions into groundwater for the parameter(s) and monitoring point(s) set out in schedule 3 table S3.2 shall not be exceeded.
- 3.1.5 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 sixth anniversary of the granting of the permit.
- 3.1.6 The limits for landfill gas arising from the installation set out in schedule 3, table S3.3 shall not be exceeded.
- 3.1.7 The limits for particulate matter arising from the installation set out in schedule 3, table S3.8 shall not be exceeded.

### **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.

### **3.4 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.

### **3.5 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 S3.1 and S3.5;
  - (b) Groundwater specified in tables S3.2 and S3.7;
  - (c) Landfill gas specified in table S3.3 and S3.4;
  - (d) Surface water specified in table S3.6; and
  - (e) Particulate matter specified in table S3.8.
- 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:
- (a) annually, and
  - (b) prior to the disposal of waste in any new cell or new development area of the landfill, and
  - (a) 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 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 levels, quality and quantities;
- (iv) landfill gas generation and collection;
- (v) waste types and quantities; 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 all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

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

- (a) a review of the results of the monitoring and assessment carried out in accordance with 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) the energy consumed at the site, reported in the format set out in schedule 4 table S4.3
- (c) the annual production/treatment set out in schedule 4 table S4.2;
- (d) the topographical surveys required by condition 3.5.3 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;
- (h) details of compliance with the waste acceptance ratios set out in schedule 1 table S1.5.

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

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

4.2.4 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 The Environment Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
  - (b) the breach of a limit specified in the permit;
  - (c) any significant adverse environmental effects; or
  - (d) a landfill fire.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
  - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (a) any change in the operator's name or address; and
  - (b) any steps taken with a view to the dissolution of the operator.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) the Environment Agency shall be notified at least 14 days before making the change; and
  - (b) the notification shall contain a description of the proposed change in operation.

## **4.4 Interpretation**

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

## Schedule 1 - Operations

| Table S1.1 Activities   |  |  |
|---|--|--|
| Activity listed in Schedule 1 of the EP Regulations                 | Description of specified activity              | Limits of specified activity   |
| Section 5.2 Part A(1) (a) ,<br>The disposal of waste in a landfill. | Landfill for non-hazardous waste               | Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.7.1, as an integral part of landfilling in Area A.       |
|   |  | Receipt, handling, storage and disposal of inert wastes, consisting of the types and quantities specified in conditions 2.7.2, as an integral part of landfilling in Area C. |
| Directly Associated Activity  |  |  |
| Water discharges to controlled waters.                              | Discharges of site drainage from the landfill. | From surface water management system to point of entry to controlled waters.   |

| Table S1.2 Operating techniques |   |               |
|---------------------------------|---|---------------|
| Description                     | Parts   | Date Received |
| Application                     | Response to section 6 of the Application Part A and sections 5a technical standards, 5b General requirements, 7 Monitoring, 10b Site Closure, Part B of the application form Part B excluding section 5d types and amounts of waste (RPS1/6 waste acceptance procedures) and operator competence report RSP1/3. | 05/03/09      |
| Application                     | Odour, Dust and Mud management plans reference RSP1/5 in response to section 5B, Table 3 – General Requirements, Part B of the application form.  | 05/03/09      |
| Application                     | Landfill gas management plan reference RSP1/7 dated January 2009.   | 05/03/09      |
| Additional information          | Response to Schedule 5 notice.  | 06/11/09      |
|                                 | Revised HRA, WAC and modelled leachate source term.   | 09/02/10      |
|                                 | Revised operator competence RSP 1/3 revision 3 dated March 2010 and letter dated 13 <sup>th</sup> April 2010.   | 19/04/10      |
|                                 | Areas A, B and C – Drainage plan dated November 2009.   | 11/06/10      |
|                                 | Revised particulate monitoring proposals RSP1/7 revision 2 dated July 2010.   | 02/07/10      |
|                                 | Revised waste acceptance procedure RSP 1/6 revision 3 dated July 2010.  | 29/07/10      |
|                                 | Letter reference 651/023L dated 23/08/10 the progressive installation of leachate monitoring infrastructure as RSP-EPR-1108-6A revision A dated 23 October 2009   | 23/08/10      |
|                                 | Letter reference 651/023L dated 30/09/10 changes to the design and location of the landfill gas/leachate monitoring points LFGA4, RLFGA7 and LFGA11 and target pads shown on drawings RSP-EPR-1108-7B revision B and RSP-EPR-1108- 08E revision E dated 23 September 2010.                                      | 01/10/10      |

| Table S1.3A Pre-operational measures |   |
|--------------------------------------|---|
| Reference                            | Pre-operational Measures  |
| 1                                    | Area C shall not commence operation unless the Operator has agreed with the Agency the locations for carrying out monitoring and assessment of particulate emissions in accordance with Agency Technical Guidance Document M17, Monitoring of Particulate Matter in Ambient Air Around Waste Facilities for the parameters required by Table S4.12. The proposals shall include but not be limited to operating procedures for the implementation of monitoring measures, schedules, techniques, compliance action plans, data management and reporting procedures. |

| Table S1.3A Pre-operational measures |   |
|--------------------------------------|---|
| Reference                            | Pre-operational Measures  |
| 2A                                   | Area C shall not commence operation unless the Operator has installed the additional groundwater monitoring boreholes GW1 and GW2 shown on drawing RSP-EPB-1108-08 revision A dated November 2008 and submitted a validation report together with a plan showing the final location and nomenclature of the constructed boreholes.  |
| 2B                                   | Area C shall not commence operation unless the Operator has monitored the composition of the groundwater at the additional boreholes GW1 and GW2 at least once every month for 12 months and carry out analysis for hazardous substances and non hazardous pollutants. The boreholes shall be incorporated into routine monitoring programme as specified in Table S3.7.  |
| 2C                                   | The operator shall submit to the Agency, for its agreement in writing, an addendum to the groundwater management and monitoring plan for Area C. The addendum shall include a review all monitoring data, including that required to be collected by reference 2B above, for existing and additional groundwater boreholes and propose borehole specific control and trigger levels (having regard to the Environment Agency Document 'Hydrogeological Risk Assessments for Landfills (LFTGN01)) for all down gradient boreholes together with (where appropriate) amendments to the groundwater contingency action plan. |
| 3                                    | The operator shall for Area A submit to the Agency, for its agreement in writing, a plan that delineates a stand-off zone of 75m around all nearby buildings. Within this zone, wastes shall be restricted to a TOC content of 3% in accordance with Table S1.5.  |

| Table S1.3B Pre-operational measures for future development |  |  |
|---|--|--|
| Reference   | Operation  | Pre-operational Measures   |
| 1   | Waste deposit in:<br>Area A cells 1 and 3; and<br>Area C cell 1. | Two months prior to the deposit of waste in any cell the Operator shall submit to the Agency, for its agreement in writing, an addendum to the Landfill Gas Management Plan in accordance with the Agency's document "Guidance on the Management of Landfill Gas" (LFTGN03) which will include a review of the landfill gas monitoring data for all gas monitoring boreholes. The review shall include boreholes specific control and emission limits for Methane and Carbon Dioxide.  |
| 2   | Waste deposit in any new section/lift.                           | The operator shall: <ul style="list-style-type: none"> <li>• Submit a CQA Report for each completed section/lift of sidewall before waste is placed against it;</li> <li>• Undertake site specific testing of materials to obtain geotechnical data for validation against the data used in the existing stability calculations. The scope and extent of testing shall be agreed in writing with the Agency prior to testing being carried out. A report shall be submitted to the Agency with results, interpretation and any necessary recommendations as part of the CQA Report.</li> </ul> |

| Table S1.4 Annual waste input limits                       |                    |
|--|--------------------|
| Category   | Limit Tonnes/ Year |
| Non-hazardous waste  | 350,000            |
| Inert waste including inert waste imported for restoration | 350,000            |
| Total  | 350,000            |

| Table S1.5 Waste acceptance ratios for Area A  |   |   |
|--|---|---|
| Parameter  | Limit - mg/kg unless stated   | Test method (1)                           |
| Arsenic  | 500   | Aqua Regia Microwave Digest; iCap-ICP-OES |
| Barium   | 500   | Aqua Regia Microwave Digest; iCap-ICP-OES |
| Cadmium  | 8   | Aqua Regia Microwave Digest; iCap-ICP-OES |
| Chloride   | 2500  | 2:1 water soluble; Colorimetry            |
| Chromium (Total)   | 500   | Aqua Regia Microwave Digest; iCap-ICP-OES |
| Copper   | 880   | Aqua Regia Microwave Digest; iCap-ICP-OES |
| Lead   | 950   | Aqua Regia Microwave Digest; iCap-ICP-OES |
| Mercury  | 10  | Aqua Regia Microwave Digest; iCap-ICP-OES |
| Mineral Oil (C10-C21)  | 1000  | Pentane/Acetone; GC-FID                   |
| Nickel   | 950   | Aqua Regia Microwave Digest; iCap-ICP-OES |
| PAH (Total)  | 500   | Pentane/Acetone; GCMS                     |
| PCBs   | 5   | Hexane/acetone; GCMS                      |
| Phenol (monohydric)  | 200   | HPLC                                      |
| Selenium   | 100   | Aqua Regia Microwave Digest; iCap-ICP-OES |
| Sulphate (water soluble)   | 10 000 mg/l   | 2:1 water soluble; Colorimetry            |
| Total Organic Carbon   | 10% outside 75m restriction zone from any building, in accordance with pre-operational condition S1.3A reference 3. | Combustion @ 950°C                        |
|  | 3% inside 75m restriction zone from any building, in accordance with pre-operational condition S1.3A reference 3.   |   |
| Zinc   | 950   | Aqua Regia Microwave Digest; iCap-ICP-OES |
| (1) Analysis shall be undertaken by a UKAS accredited laboratory conforming to MCERTS requirements or other suitable accredited analytical methodology agreed with the Agency. |   |   |



## Schedule 2 - List of permitted wastes

| Table S2.1 Permitted waste types |   |  |
|----------------------------------|---|--|
| Waste code                       | Description   | Description for LFT 1996 Schedule  |
| 01                               | WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS               |  |
| 01 01                            | wastes from mineral excavation  | Group 1 Rocks and soils (naturally occurring) or Group 3 Minerals (processed or prepared, not used). |
| 01 01 02                         | wastes from mineral non-metalliferous excavation  |  |
| 01 04                            | wastes from physical and chemical processing of non-metalliferous minerals  |  |
| 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 10                         | dusty and powdery wastes other than those mentioned in 01 04 07   |  |
| 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 |  |
| 01 04 13                         | wastes from stone cutting and sawing other than those mentioned in 01 04 07   |  |
| 10                               | WASTES FROM THERMAL PROCESSES   |  |
| 10 01                            | wastes from power stations and other combustion plants (except 19)  |  |
| 10 01 01                         | bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)                                      | Group 5 Ash.   |
| 10 03                            | wastes from aluminium thermal metallurgy  |  |
| 10 03 16                         | skimmings other than those mentioned in 10 03 15  | Group 6 Low Activity Inorganic Compounds.  |
| 10 08                            | wastes from other non-ferrous thermal metallurgy  |  |
| 10 08 09                         | other slags   | Group 4 Furnace Slag   |
| 10 08 11                         | dross and skimmings other than those mentioned in 10 08 10  | Group 6 Low Activity Inorganic Compounds.  |
| 10 09                            | wastes from casting of ferrous pieces   |  |
| 10 09 03                         | furnace slag  | Group 4 Furnace Slag..   |
| 10 09 06                         | casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05                    | Group 2 Ceramic or concrete materials.   |
| 10 10                            | wastes from casting of non-ferrous pieces   |  |
| 10 10 06                         | casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05                   | Group 2 Ceramic or concrete materials.   |
| 10 11                            | wastes from manufacture of glass and glass products   |  |
| 10 11 03                         | waste glass-based fibrous materials   | Group 3 Minerals (Processed or prepared, not used).  |
| 10 11 12                         | waste glass other than those mentioned in 10 11 11  | Group 2 Glass.   |
| 10 12                            | wastes from manufacture of ceramic goods, bricks, tiles and construction products                                   |  |
| 10 12 06                         | discarded moulds  | Group 2 Ceramic or concrete materials.   |
| 10 12 08                         | waste ceramics, bricks, tiles and construction products (after thermal processing)                                  |  |

| Table S2.1 Permitted waste types |  |   |
|----------------------------------|--|---|
| Waste code                       | Description  | Description for LFT 1996 Schedule   |
| 10 13                            | wastes from manufacture of cement, lime and plaster and articles and products made from them   |   |
| 10 13 14                         | waste concrete and concrete sludge   | Group 2 Ceramic or concrete materials.  |
| 15                               | WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED   |   |
| 15 01                            | packaging (including separately collected municipal packaging waste)   |   |
| 15 01 07                         | glass packaging  | Group 2 Glass   |
| 16                               | WASTES NOT OTHERWISE SPECIFIED IN THE LIST   |   |
| 16 01                            | end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08) |   |
| 16 01 20                         | glass  | Group 2 Glass.  |
| 17                               | CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)  |   |
| 17 01                            | concrete, bricks, tiles and ceramics   |   |
| 17 01 01                         | concrete   | Group 2 Ceramic or concrete materials.  |
| 17 01 02                         | bricks   |   |
| 17 01 03                         | tiles and ceramics   |   |
| 17 01 07                         | mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06  |   |
| 17 02                            | wood, glass and plastic  |   |
| 17 02 02                         | glass  | Group 2 Glass.  |
| 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   | Group 1 Rocks and soils (naturally occurring).  |
| 17 05 06                         | dredging spoil other than those mentioned in 17 05 05  |   |
| 17 09                            | other construction and demolition wastes   |   |
| 17 09 04                         | mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03   | Group 1 Rocks and soils (naturally occurring) and / or Group 2 Ceramic or concrete materials. |
| 19                               | WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE                            |   |
| 19 01                            | wastes from incineration or pyrolysis of waste   |   |
| 19 01 12                         | bottom ash and slag other than those mentioned in 19 01 11   | Group 4 Furnace Slags,<br>Group 5 Ash.  |
| 19 03                            | stabilised/solidified wastes <sup>1</sup>  |   |
| 19 03 05                         | stabilised wastes other than those mentioned in 19 03 04   | Group 4 Furnace Slags,<br>Group 5 Ash.  |
| 19 03 07                         | solidified wastes other than those mentioned in 19 03 06   |   |
| 19 04                            | vitrified waste and wastes from vitrification  |   |
| 19 04 01                         | vitrified waste  | Group 4 Furnace Slags, Group 5 Ash  |

<sup>1</sup> Stabilisation processes change the dangerousness of the constituents in the waste and thus transform hazardous waste into non-hazardous waste. Solidification processes only change the physical state of the waste (e.g. liquid into solid) by using additives without changing the chemical properties of the waste.

| Table S2.1 Permitted waste types |   |   |
|----------------------------------|---|---|
| Waste code                       | Description   | Description for LFT 1996 Schedule   |
| 19 12                            | wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified          |   |
| 19 12 05                         | glass   | Group 2 Glass.  |
| 19 12 09                         | minerals (for example sand and stone).  | Group 1 Rocks and soils (naturally occurring) and / or Group 2 Ceramic or concrete materials. |
| 19 12 12                         | Other wastes (including mixtures of materials) from mechanical treatment other than those mentioned in 19 12 11                         |   |
| 20                               | MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS |   |
| 20 01                            | separately collected fractions (except 15 01)   |   |
| 20 01 02                         | glass   | Group 2 Glass.  |
| 20 02                            | garden and park wastes (including cemetery waste)   |   |
| 20 02 02                         | soil and stones   | Group 1 Rocks and soils (naturally occurring).  |

| Table S2.2 Permitted waste types for inert wastes accepted for restoration |  |  |
|--|--|--|
| Waste code   | Description  |  |
| 10   | <b>WASTES FROM THERMAL PROCESSES</b>   |  |
| 10 11  | <b>wastes from manufacture of glass and glass products</b>   |  |
| 10 11 03   | Waste glass-based fibrous materials  |  |
| 15   | <b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>  |  |
| 15 01  | <b>packaging (including separately collected municipal packaging waste)</b>  |  |
| 15 01 07   | Glass packaging  |  |
| 17   | <b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>   |  |
| 17 01  | <b>concrete, bricks, tiles and ceramics</b>  |  |
| 17 01 01   | Concrete   |  |
| 17 01 02   | Bricks   |  |
| 17 01 03   | Tiles and ceramics   |  |
| 17 01 07   | Mixtures of concrete, bricks, tiles and ceramics   |  |
| 17 02  | <b>wood, glass and plastic</b>   |  |
| 17 02 02   | Glass  |  |
| 17 05  | <b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>  |  |
| 17 05 04   | Soil and stones*   |  |
| 19   | <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> |  |
| 19 12  | <b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>  |  |
| 19 12 05   | Glass  |  |
| 20   | <b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>                                 |  |
| 20 01  | <b>separately collected fractions (except 15 01)</b>   |  |
| 20 01 02   | Glass  |  |
| 20 02 02   | Soil and stones  |  |

## Schedule 3 – Emissions and monitoring

| Table S3.1 Leachate level limits and monitoring requirements                 |                                    |                      |  |  |
|--|------------------------------------|----------------------|--|--|
| Monitoring point reference/ Description (1)                                  | Limit                              | Monitoring frequency | Monitoring method  |  |
| Area A<br>LMPA1, LMPA2, LMPA3, LFGA4, LFGA7 and LFGA11.                      | 1m above the top of the clay liner | Quarterly (1)        | Monitoring to be carried out in accordance with Environment Agency Document 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water (LFTGN02), unless otherwise agreed in writing with the Agency. |  |
| Area C<br>LPMC1  |                                    |                      |  |  |
| (1) as shown on drawing RSP-EPB 1108-08E revision E dated 23 September 2010. |                                    |                      |  |  |
| (2) monitoring to commence from date of installation.                        |                                    |                      |  |  |

| Table S3.2 Trigger levels for emissions into groundwater and monitoring requirements                        |                     |                        |                  |                      |   |
|---|---------------------|------------------------|------------------|----------------------|---|
| Monitoring point reference  | Parameter           | Limit (including unit) | Reference Period | Monitoring frequency | Monitoring standard or method   |
| Area A<br>702, 703, 704 and 705<br>as shown on drawing RSP-EPB 1108-08E revision E dated 23 September 2010. | Ammoniacal Nitrogen | 3.27 mg/l              | Spot Sample      | Monthly              | Monitoring to be carried out in accordance with Environment Agency Guidance Document 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water (LFTGN02), unless otherwise agreed in writing with the Agency. |
|   | Cadmium             | 0.001 mg/l             |                  |                      |   |
|   | Chloride            | 250 mg/l               |                  |                      |   |
|   | Nickel              | 0.0154 mg/l            |                  |                      |   |
|   | Phenol              | 0.02 mg/l              |                  |                      |   |
|   | Zinc                | 0.5 mg/l               |                  |                      |   |
| Area C<br>BH D and BH F<br>as shown on drawing RSP-EPB 1108-08E revision E dated 23 September 2010.         | Ammoniacal Nitrogen | 3.27 mg/l              | Spot Sample      | Monthly              |   |
|   | Cadmium             | 0.001 mg/l             |                  |                      |   |
|   | Chloride            | 250 mg/l               |                  |                      |   |
|   | Nickel              | 0.0154 mg/l            |                  |                      |   |
|   | Phenol              | 0.02 mg/l              |                  |                      |   |
|   | Zinc                | 0.5 mg/l               |                  |                      |   |

| Table S3.2 Trigger levels for emissions into groundwater and monitoring requirements                                      |                         |                        |                   |                      |   |
|---|-------------------------|------------------------|-------------------|----------------------|---|
| Monitoring point reference  | Parameter               | Limit (including unit) | Reference Period  | Monitoring frequency | Monitoring standard or method   |
| Surface water infiltration basin<br>1, 2, 3, 4, 5, A1 and A2 as<br>shown on drawing RSP-EPB<br>1108 15 dated November 09. | Electrical Conductivity | 700 µs/cm              | Spot Sample       | Monthly (1)          | Monitoring to be carried out in accordance<br>with Environment Agency Guidance<br>Document 'Guidance on Monitoring of Landfill<br>Leachate, Groundwater and Surface Water<br>(LFTGN02)', unless otherwise agreed in<br>writing with the Agency. |
|   | Ammoniacal Nitrogen     | 1 mg/l                 |                   |                      |   |
|   | pH                      | >6.5 to <9.5           |                   |                      |   |
|   | Visible Oil             | None                   | Visual inspection |                      |   |
| (1) Monitoring of infiltration basins 1, 2, 3, 4, 5, and A1 to commence from date of installation.                        |                         |                        |                   |                      |   |

| Table S3.3 Landfill gas in external monitoring boreholes – limits and monitoring requirements    |                       |                         |                      |  |  |
|--|-----------------------|-------------------------|----------------------|--|--|
| Monitoring point Ref. /description (1)   | Parameter             | Limit (including units) | Monitoring frequency | Monitoring standard or method  |  |
| <b>Area A</b><br>701, 702, 703, 704, 705, 706 and BH1.<br><br><b>Area C</b><br>BHD, BHF and BHG. | Methane               | 1 %v/v                  | Monthly              | In accordance with Environment Agency - Landfill Technical Guidance Note (LFTGN 03): 'Guidance on the management of landfill gas,' unless otherwise agreed in writing with the Agency. |  |
|  | Oxygen                | no limit                |                      |  |  |
|  | Atmospheric pressure  | no limit                |                      |  |  |
|  | Differential Pressure | no limit                |                      |  |  |
|  | Meteorological data   | no limit                |                      |  |  |
| 701  | Carbon Dioxide        | 3.2 %v/v                |                      |  |  |
| 702  | Carbon Dioxide        | 6.3 %v/v                |                      |  |  |
| 703  | Carbon Dioxide        | 6.6 %v/v                |                      |  |  |
| 704  | Carbon Dioxide        | 1.7 %v/v                |                      |  |  |
| 705  | Carbon Dioxide        | 2.7 %v/v                |                      |  |  |
| 706  | Carbon Dioxide        | 5.8 %v/v                |                      |  |  |
| BH1  | Carbon Dioxide        | 3.2 %v/v                |                      |  |  |
| BH D   | Carbon Dioxide        | 4.1 %v/v                |                      |  |  |
| BH F   | Carbon Dioxide        | 2.1 %v/v                |                      |  |  |
| BH G   | Carbon Dioxide        | 3.2 %v/v                |                      |  |  |

| Table S3.3 Landfill gas in external monitoring boreholes – limits and monitoring requirements |   |  |                                   |  |
|---|---|--|-----------------------------------|--|
| Monitoring point Ref. /description (1)  | Parameter   | Limit (including units)  | Monitoring frequency              | Monitoring standard or method  |
| Area A<br>G19, G20, G21 and G22.<br>Area C<br>G23, G24 and G25.                               | Methane<br>Carbon Dioxide<br>Oxygen<br>Atmospheric pressure<br>Differential Pressure<br>Meteorological data | Determined in accordance with condition 2.4 table S1.3B reference 2. | Monthly from date of installation | In accordance with Environment Agency - Landfill Technical Guidance Note (LFTGN 03): 'Guidance on the management of landfill gas,' unless otherwise agreed in writing with the Agency. |
| (1) as shown on drawing RSP-EPB 1108-08E revision E dated 23 September 2010.                  |   |  |                                   |  |

| Table S3.4 Landfill gas – other monitoring requirements   |   |                      |  |                      |
|---|---|----------------------|--|----------------------|
| Emission point reference or source or description of point of measurement (1)   | Parameter   | Monitoring frequency | Monitoring standard or method  | Other specifications |
| Area A<br>LFGA1, LFGA2, LFGA3, LFGA4, LFGA5, LFGA6, LFGA7, LFGA8, LFGA9, LFGA10, LFGA11 and LFGA12.<br>Area C<br>LFGC1, LFGC2, LFGC3 and LFGC4.<br>as shown on drawing RSP-EPB 1108-08E revision E dated 23 September 2010. | Methane<br>Carbon Dioxide<br>Oxygen<br>Atmospheric pressure<br>Differential pressure<br>Meteorological Data | Quarterly            | Monitoring to be carried out in accordance with Environment Agency - Landfill Technical Guidance Note LFTGN 03 'Guidance on the management of landfill gas,' unless otherwise agreed in writing with the Agency. |                      |
| (1) Monitoring to commence from date of installation.   |   |                      |  |                      |

| Table S3.5 Leachate- other monitoring requirements  |   |                              |   |                      |
|---|---|------------------------------|---|----------------------|
| Emission point reference or source or description of point of measurement (1)   | Parameter   | Monitoring frequency         | Monitoring standard or method   | Other specifications |
| Area A<br>LMPA1, LMPA2 and LMPA3.<br>Area C<br>LMPC1.   | Alkalinity (CaCO <sub>3</sub> ), Ammoniacal-nitrogen (NH <sub>4</sub> -N), Arsenic (As), Barium (Ba), Biological Oxygen Demand (BOD), Cadmium (Cd), Chemical Oxygen Demand (COD), Chloride (Cl), Chromium (Cr), Copper (Cu), Dissolved Oxygen (DO), Electrical Conductivity (EC), Iron (Fe), Lead (Pb), Magnesium (Mg), Manganese (Mn), Mercury (Hg), Nickel (Ni), pH, Potassium (K), Sodium (Na), Total Sulphates (SO <sub>4</sub> ), Temperature, Total Organic Carbon (TOC), Total Oxidised Nitrogen (TON), Total Phenols and Zinc (Zn). | Six Monthly (2)              | Monitoring to be carried out in accordance with Environment Agency Guidance Document 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water (LFTGN02), unless otherwise agreed in writing with the Agency. |                      |
| Area A<br>LMPA1, LMPA2, LMPA3, LFGA4, LFGA7 and LFGA11.<br>Area C<br>LPMC1.   | Hazardous substance screen.<br>Depth to base of monitoring points.  | Annually (2)<br>Annually (2) | Hazardous substances monitoring methods in accordance with the Agency's guidance 'Hydrogeological Risk Assessment for Landfills' (LFTGN01).   |                      |
| (1) as shown on drawing RSP-EPB 1108-08E revision E dated 23 September 2010.<br>(2) monitoring to commence from date of installation. |   |                              |   |                      |

| Table S3.6 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 |
| <b>Upstream</b><br>RSP SW2 (SU86035, 46485) <b>Downstream</b><br>RSP SW1 (SU 85112, 47032),<br>RSP SW3 (SU87080, 45562), and<br>Surface water infiltration basins 1, 2, 3, 4,<br>5, A1 and A2 - RSP Pond<br>as shown on drawing RSP, EPB 1108 15<br>dated November 09. | Alkalinity (CaCO <sub>3</sub> ), Ammoniacal-nitrogen (NH <sub>4</sub> -N),<br>Biological Oxygen Demand (BOD), Chemical Oxygen<br>Demand (COD), Cadmium (Cd), Calcium (Ca),<br>Chloride (Cl), Chromium (Cr), Copper (Cu), Dissolved<br>Oxygen (DO), Electrical Conductivity (EC), Iron (Fe),<br>Lead (Pb), Magnesium (Mg), Manganese (Mn), Nickel<br>(Ni), pH, Potassium (K), Sodium (Na), Sulphate (SO <sub>4</sub> ),<br>Temperature, Total Organic Carbon (TOC), Total<br>Oxidised Nitrogen (TON), Total Suspended Solids<br>(TSS) and Zinc (Zn). | Quarterly (1)        | Monitoring to be carried out in accordance with Environment Agency Guidance Document 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water (LFTGN02), unless otherwise agreed in writing with the Agency. |                      |
| infiltration basin A2 - RSP Pond   | Water level (mAOD).   | Quarterly            |   |                      |
| (1) Monitoring of infiltration basins 1, 2, 3, 4, 5, and A1 to commence from the date they are established.  |   |                      |   |                      |



| Table S3.7 Groundwater – other monitoring requirements  |  |                      |  |                      |
|---|--|----------------------|--|----------------------|
| Emission point reference or source or description of point of measurement (1)(2)  | Parameter  | Monitoring frequency | Monitoring standard or method  | Other specifications |
| Upgradient:<br>701 and 706.   | Ammoniacal-nitrogen (NH <sub>4</sub> -N), Chloride (Cl), Dissolved Oxygen (DO), Electrical Conductivity (EC), pH, Temperature and Water level.   | Monthly              | Monitoring to be carried out in accordance with Environment Agency Guidance Document   | -                    |
| Downgradient:<br>702, 703, 704, 705, BH 1, BH D, BH F and BH G.   | Alkalinity (CaCO <sub>3</sub> ), Arsenic (As), Barium (Ba), Biological Oxygen Demand (BOD), Cadmium (Cd), Chemical Oxygen Demand (COD), Chromium (Cr), Copper (Cu), Iron (Fe), Lead (Pb), Magnesium (Mg), Manganese (Mn), Mercury (Hg), Nickel (Ni), Potassium (K), Sodium (Na), Total Sulphates (SO <sub>4</sub> ), Total Organic Carbon (TOC), Total Oxidised Nitrogen (TON), Total Phenols and Zinc (Zn). | Quarterly            | 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water (LFTGN02), unless otherwise agreed in writing with the Agency.<br><br>Hazardous substances monitoring methods in accordance with the Agency's guidance<br><br>'Hydrogeological Risk Assessment for Landfills' (LFTGN01). |                      |
| 701, 702, 703, 704, 705 706, BH 1, BH D, BH F, BH G, GW1 and GW2.   | Hazardous substance screen ( List I).<br>Monitoring point base.  | Annually             |  |                      |
| (1) monitoring to commence from date of installation.<br>(2) as shown on drawing RSP-EPB 1108-08E revision E dated 23 September 2010. |  |                      |  |                      |

| Table S3.8 Particulate matter in ambient air - limits and monitoring requirements                        |                        |   |                  |   |
|--|------------------------|---|------------------|---|
| Monitoring Point Ref./Description  | Parameter              | Limit (Including Unit)                  | Reference Period | Monitoring Frequency  |
| Dust Emissions   |                        |   |                  |   |
| Area A<br>DM1, DM2, DM3 and DM4 as shown on drawing RSP-EPB 1108-08E revision E dated 23 September 2010. | Deposited particulate. | 200 mg/m <sup>2</sup> day <sup>-1</sup> | 24 hours         | Monthly   |
| Area C<br>Determined by pre-operational condition 2.5 Table S1.3A reference 1.                           |                        |   |                  | In accordance with Agency Guidance 'M17 - Monitoring of Particulate Matter in ambient air around waste facilities), or any subsequent guidance. |

## Schedule 4 - Reporting

| Table S4.1 Reporting of monitoring data  |  |   |   |
|--|--|---|---|
| Parameter  | Emission or monitoring point/reference   | Reporting period  | Period begins   |
| Leachate levels<br>As required by condition 3.5.1                              | LMPA1, LMPA2, LMPA3<br>LFGA4, LFGA7, LFGA11.<br>and LPMC1.   | Every 3 months  | 1 January, 1<br>April, 1 July, 1<br>October                             |
| Groundwater<br>Parameters as required by<br>condition 3.5.1                    | 701, 702, 703, 704, 705,<br>706, BH 1, BH D, BH F,<br>BH G, GW1 and GW2.   | Every 3 Months<br>for quarterly<br>parameters<br>Every 6 months<br>for 6 monthly<br>parameters<br>Every 12 months<br>for annual<br>parameters | 1 January, 1<br>April, 1 July, 1<br>October<br>1 April and 1<br>October |
| Hazardous substances screen and<br>Depth to monitoring point base              |  |   | 1 April   |
| Landfill gas lateral migration<br>Parameters as required by<br>condition 3.5.1 | G19, G20, G21, G22,<br>G23, G24 and G25.   | Every 3 months  | 1 January, 1<br>April, 1 July, 1<br>October                             |
| Particulate matter<br>Parameters as required by<br>condition 3.5.1             | DM1, DM2, DM3, DM4<br>and determined by pre-<br>operational condition 2.5<br>Table S1.3A reference 1.                                | Every 3 months  | 1 January, 1<br>April, 1 July, 1<br>October                             |
| Other Landfill gas monitoring<br>Parameters as required by<br>condition 3.5.1  | LFGA1, LFGA2, LFGA3,<br>LFGA4, LFGA5, LFGA6,<br>LFGA7, LFGA8, LFGA9,<br>LFGA10, LFGA11,<br>LFGA12, LFGC1, LFGC2,<br>LFGC3 and LFGC4. | Every 3 months  | 1 January, 1<br>April, 1 July, 1<br>October                             |
| Other leachate monitoring<br>Parameters as required by<br>condition 3.5.1      | LMPA1, LMPA2, LMPA3,<br>LFGA4, LFGA7, LFGA11<br>and LPMC1  | Every 6 months  | 1 April and 1<br>October  |
| Hazardous substances screen and<br>Depth to monitoring point base              |  | Every 12 months   | 1 April   |
| Other surface water monitoring<br>Parameters as required by<br>condition 3.5.1 | RSP SW2, RSP SW1,<br>RSP SW3 and RSP Pond.   | Every 3 months  | 1 January, 1<br>April, 1 July, 1<br>October                             |

| Table S4.2: Annual production/treatment  |                   |
|--|-------------------|
| Leachate:<br>Disposed of off site;<br>Disposed of to any onsite effluent treatment plant;<br>Recirculated into the waste mass. | Cubic metres/year |
| Surface water and/ or groundwater:<br>Disposed of off site;<br>Disposed of to any onsite effluent treatment plant.             | Cubic metres/year |

**Table S4.3 Performance Parameters**

| <b>Parameter</b>                               | <b>Frequency of assessment</b> | <b>Annual total</b> | <b>Unit</b>        |
|--|--------------------------------|---------------------|--------------------|
| Energy used (including for leachate treatment) | Annually                       |                     | MWh of electricity |

**Table S4.4 Reporting Forms**

| <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    | 12/10/2010          |
| Controlled water                                  | Form Water 1 or other reporting format to be agreed in writing with the Environment Agency       | 12/10/2010          |
| Groundwater                                       | Form Groundwater 1 or other reporting format to be agreed in writing with the Environment Agency | 12/10/2010          |
| Landfill gas                                      | Form LFG 1 or other reporting format to be agreed in writing with the Environment Agency         | 12/10/2010          |
| Particulate matter                                | Form Particulate 1 or other reporting format to be agreed in writing with the Environment Agency | 12/10/2010          |
| Waste Return                                      | Waste Return Form RATS2E   | 12/10/2010          |
| Landfill topographical surveys and interpretation | Reporting format to be agreed in writing with the Environment Agency                             | -                   |

## 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                  | EPR/SP3131GC   |
| Name of operator               | SITA UK Limited  |
| Location of Facility           | Runfold South Landfill Areas A and C<br>Guildford Road<br>Runfold<br>Farnham<br>Surrey<br>GU10 1PB |
| Time and date of the detection |  |

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

| To be notified within 24 hours of detection                      |  |
|--|--|
| Date and Time of the event                                       |  |
| Reference or description of the location of the event            |  |
| Description of where any release into the environment took place |  |
| Substances(s) potentially released                               |  |
| Best estimate of the quantity or rate of release of substances   |  |
| Measures taken, or intended to be taken, to stop any emission    |  |
| Description of the failure or accident.                          |  |

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

| To be notified within 24 hours of detection unless otherwise specified below |  |
|--|--|
| Emission point reference/ source   |  |
| Parameter(s)   |  |

|   |  |
|---|--|
| Limit   |  |
| Measured value and uncertainty                                |  |
| Date and time of monitoring                                   |  |
| Measures taken, or intended to be taken, to stop the emission |  |

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

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

### Part B to be 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 SITA UK Limited.

## Schedule 6 - Interpretation

*"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.

*"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.

*"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.

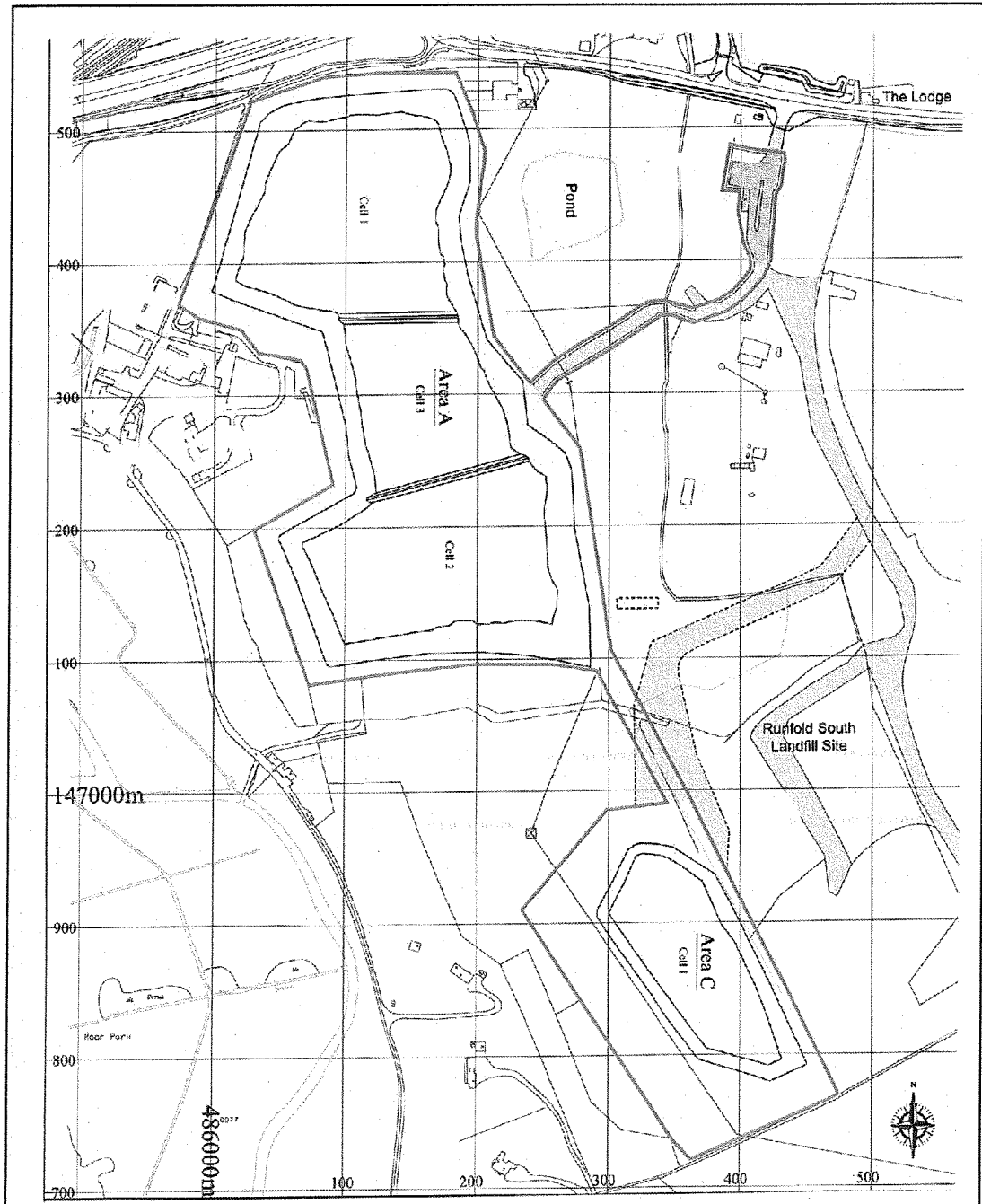
*"Pests"* means Birds, Vermin and Insects.

*"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 (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

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.

## Schedule 7 - Site plan



END OF PERMIT



Permit Number: EPR/SP3131GC

Facility: Runfold South Landfill Areas A and C

Operator:

Form Number:

SITA UK Limited

Water1 / 12/10/2010

## Reporting of emissions to water (other than to sewer) and land for the period from DD/MM/YYYY to DD/MM/YYYY

| Emission Point | Substance / Parameter                                      | Emission Limit Value | Reference Period  | Result <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times | Uncertainty <sup>[4]</sup> |
|----------------|--|----------------------|---|-----------------------|----------------------------|-----------------------|----------------------------|
| W1             | Total suspended solids                                     | 30 mg/l              | For 95% of all measured values of periodic samples taken over one month |                       | BS EN 872                  |                       |                            |
| W1             | Mercury and its compounds, expressed as mercury (Total Hg) | 0.005 mg/l           | 24-hour flow proportional sample  |                       | BS EN 135006               |                       |                            |
| W1             | Cadmium and its compounds, expressed as cadmium (Total Cd) | 0.01 mg/l            | 24-hour flow proportional sample  |                       | BS 6068-2.89               |                       |                            |
| W1             | pH   | 6-10                 | Continuous  |                       | BS6068-2.50                |                       |                            |
| W1             | BOD  | 25 mg/l              | Periodic  |                       | BS EN 1899-1 (1998)        |                       |                            |

The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....  
(Authorised to sign as representative of Operator)

Date.....

Permit Number EPR/SP3131GC

Runfold South Landfill Areas A and C  
12/10/2010

Permit Number:   EPR/SP3131GC  
Facility:       Runfold South Landfill Areas A and C

Operator:       SITA UK Limited  
Form Number:   WaterUsage1 / 12/10/2010

**Reporting of Water Usage for the year 2006**

| Water Source      | Usage<br>(m3/year) | Specific Usage<br>(m3/unit output) |
|-------------------|--------------------|------------------------------------|
| Mains water       |                    |                                    |
| Site borehole     |                    |                                    |
| River abstraction |                    |                                    |
|                   |                    |                                    |
|                   |                    |                                    |
|                   |                    |                                    |
| TOTAL WATER USAGE |                    |                                    |

Operator's comments :

Signed ..... Date.....  
(authorised to sign as representative of Operator)

Permit Number: EPR/SP3131GC  
Facility: Runfold South Landfill Areas A and C

Operator: SITA UK Limited  
Form Number: Energy1 / 12/10/2010

### Reporting of Energy Usage for the year 2006

| Energy Source      |        | Energy Usage |  | Specific Usage<br>(MWh/unit output) |
|--------------------|--------|--------------|--|-------------------------------------|
| Electricity *      | MWh    |              |  |                                     |
| Natural Gas        | MWh    |              |  |                                     |
| Gas Oil            | tonnes |              |  |                                     |
| Recovered Fuel Oil | tonnes |              |  |                                     |
| TOTAL              | -      |              |  |                                     |

\* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Signed ..... Date.....  
(Authorised to sign as representative of Operator)

Permit Number EPR/SP3131GC

Runfold South Landfill Areas A and C  
12/10/2010

Permit Number: EPR/SP3131GC      Operator: SITA UK Limited  
 Facility: Runfold South Landfill Areas A and C      Form Number: Leachate 1 / 12/10/2010

**Reporting of leachate monitoring for the period from DD/MM/YYYY to DD/MM/YYYY**

| Monitoring Point | Substance / Parameter | Compliance limit    | Reference Period | Result <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|------------------|-----------------------|---------------------|------------------|-----------------------|----------------------------|--------------------------------------|----------------------------|
| L1               | leachate head         | X m above cell base |                  |                       |                            |                                      |                            |
|                  |                       |                     |                  |                       |                            |                                      |                            |
|                  |                       |                     |                  |                       |                            |                                      |                            |
|                  |                       |                     |                  |                       |                            |                                      |                            |
|                  |                       |                     |                  |                       |                            |                                      |                            |
|                  |                       |                     |                  |                       |                            |                                      |                            |
|                  |                       |                     |                  |                       |                            |                                      |                            |

The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.  
 The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ..... Date.....  
 (Authorised to sign as representative of Operator)

Permit Number: EPR/SP3131GC Operator: SITA UK Limited  
 Facility: Runfold South Landfill Areas A and C Form Number: Groundwater1 / 12/10/2010

**Reporting of groundwater monitoring for the period from DD/MM/YYYY to DD/MM/YYYY**

| Monitoring Point | Substance / Parameter                                      | Trigger level | Reference Period | Result [1] | Test Method [2]     | Sample Date and Times [3] | Uncertainty [4] |
|------------------|--|---------------|------------------|------------|---------------------|---------------------------|-----------------|
| GW1              | Mercury and its compounds, expressed as mercury (Total Hg) | 0.005 mg/l    |                  |            | BS EN 135006        |                           |                 |
| GW1              | Cadmium and its compounds, expressed as cadmium (Total Cd) | 0.01 mg/l     |                  |            | BS 6068-2.89        |                           |                 |
| GW1              | pH   | 6-10          |                  |            | BS6068-2.50         |                           |                 |
| GW1              | BOD  | 25 mg/l       |                  |            | BS EN 1899-1 (1998) |                           |                 |

The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ..... Date.....  
 (Authorised to sign as representative of Operator)

Permit Number EPR/SP3131GC Runfold South Landfill Areas A and C  
 12/10/2010

Permit Number: EPR/SP3131GC Operator: SITA UK Limited  
 Facility: Runfold South Landfill Areas A and C Form Number: LFG1 / 12/10/2010

**Reporting of landfill gas monitoring for the period from DD/MM/YYYY to DD/MM/YYYY**

| Monitoring Point | Substance / Parameter | Compliance limit | Reference Period | Result [1] | Test Method [2] | Sample Date and Times [3] | Uncertainty [4] |
|------------------|-----------------------|------------------|------------------|------------|-----------------|---------------------------|-----------------|
| LFG1             | methane               | 1 % v/v          |                  |            |                 |                           |                 |
| LFG 1            | carbon dioxide        | 1.5 % v/v        |                  |            |                 |                           |                 |
| LFG 1            | oxygen                | -                |                  |            |                 |                           |                 |
|                  |                       |                  |                  |            |                 |                           |                 |
|                  |                       |                  |                  |            |                 |                           |                 |
|                  |                       |                  |                  |            |                 |                           |                 |

The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ..... Date.....  
 (Authorised to sign as representative of Operator)

Permit Number: EPR/SP3131GC Operator: SITA UK Limited  
Facility: Runfold South Landfill Areas A and C Form Number: Particulate 1 / 12/10/2010

Reporting of particulates for the period from DD/MM/YYYY to DD/MM/YYYY

| Emission Point | Substance / Parameter | Emission Limit Value | Reference Period | Result [1] | Test Method [2] | Sample Date and Times [3] | Uncertainty [4] |
|----------------|-----------------------|----------------------|------------------|------------|-----------------|---------------------------|-----------------|
| A1             | Particulate Matter    | mg/m <sup>3</sup>    | Continuous       |            | BS EN 15267-3   |                           |                 |
| A1             | Particulate Matter    | mg/m <sup>3</sup>    | 1 hour period    |            | BS EN 13284-1   |                           |                 |

The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ..... Date.....  
(Authorised to sign as representative of Operator)

