

# Notice of variation and consolidation with introductory note

## The Environmental Permitting (England & Wales) Regulations 2016

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Viridor Waste (Somerset) Limited  
Walpole Recovery Facility and Landfill Site  
Pawlett  
Bridgwater  
Somerset  
TA6 4TF

### **Variation application number**

EPR/BK6785IE/V014

### **Permit number**

EPR/BK6785IE

# Walpole Recovery Facility and Landfill Site

## Permit number EPR/BK6785IE

### Introductory note

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

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. Only the variations specified in schedule 1 are subject to a right of appeal.

The site includes a landfill, anaerobic digestion plant, open windrow composting facility, a wood chipping facility and other directly associated activities.

This variation is to include a transfer station alongside the other waste facilities. The transfer station will accept non-hazardous household commercial and industrial waste. The transfer station will be within the existing site boundary, just to the north east of the composting pad. The transfer station will include manual sorting, to segregate materials for recycling.

All waste unloading, loading, sorting and storage will take place inside a portal framed building with concrete block walls and a steel roof. The building will have an impermeable concrete floor and sealed drainage.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	Date	Comments
Application received BK6785IE/A001	Duly made 28/12/2002	Application for non-hazardous landfill
Permit determined EPR/BK6785IE	11/06/2004	Permit issued to Viridor Waste (Somerset) Limited
Variation application EPR/BK6785IE/V002	Duly made 12/04/2005	Application withdrawn (EPR reference: DP3132SF).
Variation application EPR/BK6785IE/V003	Duly made 30/09/2006	Agency initiated variation – vary to modern conditions (EPR reference CP3934MP).
Variation determined EPR/BK6785IE	31/03/2008	Varied permit issued.
Variation application EPR/BK6785IE/V004	-	Variation application cancelled
Variation application EPR/BK6785IE/V005	Duly made 19/03/2009	Variation application to add an installation comprising biogas engines and associated anaerobic digestion.
Variation determined EPR/BK6785IE	30/04/2010	Varied permit issued.
Variation application EPR/BK6785IE/V006	Duly made 13/07/2010	Administrative variation.
Variation determined EPR/BK6785IE	27/07/2010	Varied permit issued.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Variation application EPR/BK6785IE/V007	Duly made 21/12/2011	Application to change annual waste tonnages.
Variation determined EPR/BK6785IE	27/01/2012	Varied permit issued.
Variation application EPR/BK6785IE/V008	Duly made 27/06/2012	Application to change monitoring requirements, location of AD biogas engines, add standby boiler for AD activity, adding construction and demolition waste treatment plant and facility for treating street sweeping wastes and change biogas engines and associated AD plant to a waste operation.
Variation determined EPR/BK6785IE	24/10/2012	Varied permit issued.
Agency variation determined EPR/BK6785IE/V009	07/05/2013	Agency variation to implement the changes introduced by IED.
Variation application EPR/BK6785IE/V010	Duly made 27/06/2013	Application to add a wood water treatment operation, change AD activity from waste operation to installation, add a treatment plant for recovering process water from AD digestate, increase annual tonnage of asbestos at the landfill, amend groundwater monitoring, change improvement condition 6, add emission points to air from AD digester tanks, amend discharge to surface water, and consolidate and update permit.
Variation determined EPR/BK6785IE	12/06/2014	Varied and consolidated permit issued.
Environment Agency Landfill Sector Review 2013 Permit reviewed Variation determined EPR/BK6785IE/V011 Permit EPR/BK6785IE	15/05/2015	Varied and consolidated permit issued in modern condition format.
Variation application received EPR/BK6785IE/V012	Duly made 15/04/2015	Application to consolidated with permit EPR/LP3495LX and add new EWC codes to composting activity.
Variation determined EPR/BK6785IE	14/07/2015	Varied and consolidated permit issued in modern condition format.
Application EPR/BK6785IE/V013	Duly made 30/10/2017	Application to add EWCs to Table S2.3.
Variation determined EPR/BK6785IE	14/11/2017	Varied permit issued.
Application EPR/BK6785IE/V014 (variation and consolidation)	Duly made 15/11/2018	Application to include a waste transfer facility and site name changed to: Walpole Recovery Facility and Landfill Site
Variation determined EPR/BK6785IE (Billing Reference: MP3731QM)	03/05/2019	Varied permit issued.

End of introductory note

# Notice of variation and consolidation

## The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

### Permit number

EPR/BK6785IE

### Issued to

**Viridor Waste (Somerset) Limited** (“the operator”)

whose registered office is

**Peninsula House**

**Rydon Lane**

**Exeter**

**Devon**

**EX2 7HR**

company registration number 02631783

to operate regulated facilities at

**Walpole Recovery Facility and Landfill Site**

**Pawlett**

**Bridgwater**

**Somerset**

**TA6 4TF**

to the extent set out in the schedules.

The notice shall take effect from 03/05/2019

Name	Date
Martin Jenkins	03/05/2019

Authorised on behalf of the Environment Agency

## **Schedule 1**

The following conditions were varied as a result of the application made by the operator:

Condition 1.2.1 Financial provision wording amended to reflect the current agreement.

Condition 2.3.5 A24 added in to reflect the new activity detailed in Schedule 1 Table S1.1.

Condition 2.4.1 Pre-operational condition added for activity A24 in Schedule 1 Table S1.1.

Condition 2.6.2 A24 added to reflect the new activity detailed in Schedule 1 Table S1.1.

Schedule 1 Table S1.1 activity A24 added to include new activity for the waste transfer facility.

Schedule 1 Table S1.2 Operating techniques table amended to include the latest operating techniques as a result of this variation.

Schedule 2 Table S2.8 activity references corrected.

Schedule 2 Table S2.9 new waste table for activity reference A24 for non-hazardous waste.

Schedule 7 New site plan to show the extent of the waste transfer activity A24.

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/BK6785IE**

This is the consolidated permit referred to in the variation and consolidation notice for application **EPR/BK6785IE/V014** authorising,

**Viridor Waste (Somerset) Limited** (“the operator”),

whose registered office is

**Peninsula House**

**Rydon Lane**

**Exeter**

**Devon**

**EX2 7HR**

company registration number 02631783

to operate an installation and waste operations at

**Walpole Recovery Facility and Landfill Site**

**Pawlett**

**Bridgwater**

**Somerset**

**TA6 4TF**

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

<b>Name</b>	<b>Date</b>
<b>Martin Jenkins</b>	<b>03/05/2019</b>

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 11/06/2004 as varied on 12/06/2014 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 For the following activities referenced in schedule 1, table S1.1, A1 to A6, the operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
  - (b) Review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
  - (c) Implement any appropriate measures identified by a review.

### 1.4 Efficient use of raw materials

- 1.4.1 For the following activities referenced in schedule 1, table S1.1, A1 to A6 the operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
  - (b) maintain records of raw materials and water used in the activities;
  - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
  - (d) take any further appropriate measures identified by a review.

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

1.5.1 The operator shall:

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



## **2 Operations**

### **2.1 Permitted activities**

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

### **2.2 The site**

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

### **2.3 Operating techniques**

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

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

2.3.3 For the following activities referenced in schedule 1, table S1.1, A1 to A6 any raw materials or fuels listed in schedule 2, table S2.1 shall conform to the specifications set out in that table.

2.3.4 For the following activities referenced in schedule 1, table S1.1, A3 to A6, the operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

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

2.3.5 For the following activities referenced in schedule 1, table S1.1, A3 to A24, the operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

### **2.4 Pre-operational conditions**

2.4.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.3 have been completed.

### **2.5 Landfill Engineering**

2.5.1 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.

2.5.2 Where the operator proposes to construct any new cell other than the first cell, but proposes no change from the design of the most recently approved cell which could have any impact on the performance of any element of the design, no construction of the new cell shall commence until the

operator has submitted a cell layout drawing and the Environment Agency has confirmed that it is satisfied with the cell layout drawing.

- 2.5.3 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.
- 2.5.4 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.
- 2.5.5 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.
- 2.5.6 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.
- 2.5.7 The operator shall submit a CQA Validation Report within four weeks of the completion of the construction of the relevant landfill infrastructure, or other time period agreed in writing with the Environment Agency.
- 2.5.8 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.5.5 and 2.5.6 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.
- 2.5.9 For the purposes of conditions 2.5.1, 2.5.2, 2.5.4 and 2.5.5, 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.
- 2.5.10 Where the Environment Agency has required further information under condition 2.5.9(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.

## **2.6 Waste acceptance**

- 2.6.1 For the following activities referenced in schedule 1, table S1.1, A1 and A2, wastes shall only be accepted for disposal if:
- (a) they are listed in schedule 2, table S2.2 and S2.3; and
  - (b) they are non- hazardous waste or asbestos and construction materials containing asbestos; and
  - (c) they are not whole used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm); and
  - (d) they are not shredded used tyres; and

- (e) they are not liquid waste (including waste waters but excluding sludge and excluding liquid waste accepted at a permitted leachate treatment activity); and
  - (f) they are not chemical substances from research and development or teaching activities, for example laboratory residues, which are unidentified and/or which are new and whose effects on man and/or the environment are unknown; and
  - (g) all the relevant waste acceptance procedures have been completed; and
  - (h) they fulfil the relevant waste acceptance criteria; and
  - (i) they have not been diluted or mixed solely to meet the relevant waste acceptance criteria; and
  - (j) they are wastes which have been treated, except for: inert wastes for which treatment is not technically feasible; or it is waste other than inert waste and treatment would not reduce its quantity or the hazards which it poses to human health or the environment,[or liquid waste accepted for treatment at a permitted leachate treatment activity; and
  - (k) they are wastes with a code beginning with 07 05 and 16 03, they shall exclude waste medicinal products and pharmaceutically active waste materials arising from their manufacture.
- 2.6.2 For the following activities referenced in schedule 1, Tables S1.1, A3, A4, A5, A6, A23 and A24 waste shall only be accepted for treatment if:
- (a) it is of a type and quantity listed in schedule 2, tables S2.4, S2.5, S2.6, S2.8 and S2.9; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.6.3 For the following activities referenced in schedule 1, table S1.1, A1 and A2 wastes shall only be accepted for restoration where:
- (a) they are listed in schedule 2, table S2.7; and
  - (b) they are accepted in accordance with a restoration plan approved in writing by the Environment Agency.
- 2.6.4 For the following activities referenced in schedule 1, table S1.1, A2. Asbestos containing wastes and construction materials containing asbestos shall only be disposed of with other suitable wastes and not in cells containing biodegradable non-hazardous waste. Asbestos waste and construction material containing asbestos must meet the relevant waste acceptance criteria and must be covered daily and before each compaction operation with appropriate material.
- 2.6.5 For the following activities referenced in schedule 1, table S1.1 A1 and A2. The operator shall:
- (a) visually inspect without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the landfill and waste at the point of deposit; and
  - (b) be satisfied that the waste conforms to the requirements of condition 2.5.1.
- 2.6.6 For the following activities referenced in schedule 1, table S1.1, A1 and A2, 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.
- 2.6.7 For the following activities referenced in schedule 1, table S1.1, A1 and A2. The operator on accepting each delivery of waste shall provide a receipt to the person delivering it.
- 2.6.8 The total quantity of waste that shall be deposited in the landfill shall be limited by the pre-settlement levels shown on drawing drawing WAL10000, dated March 2010.
- 2.6.9 The quantity of waste that is deposited or recovered in the landfill in any year shall not exceed the limits in schedule 1, table S1.3.
- 2.6.10 For the following activities referenced in schedule 1, table S1.1, A1 and A2. 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.

- 2.6.11 For the following activities referenced in schedule 1, table S1.1, A1 and A2, the operator shall maintain and implement a system to record the disposal location of any hazardous waste.

## **2.7 Leachate levels**

- 2.7.1 For the following activities referenced in schedule 1, table S1.1, A1 and A2, the limits for the level of leachate listed in schedule 3, table S3.1 shall not be exceeded.

## **2.8 Closure and aftercare**

- 2.8.1 For the following activities referenced in schedule 1, table S1.1, A1 and A2, the operator shall maintain a closure and aftercare management plan.

## **2.9 Landfill gas management**

- 2.9.1 For the following activities referenced in schedule 1, table S1.1, A1 and A2, 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.

- 2.9.2 For the following activities referenced in schedule 1, table S1.1, A1 and A2, the operator shall use the collected landfill gas to produce energy. If the collected landfill gas cannot be used to produce energy, the operator shall use appropriate measures to flare or treat the gas in accordance with an approved landfill gas management plan.

- 2.9.3 For the following activities referenced in schedule 1, table S1.1, A1 and A2, the operator shall:

- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a revised landfill gas management plan;
- (b) implement the revised landfill gas management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **3 Emissions and monitoring**

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

- 3.1.1 The limits in schedule 3 shall not be exceeded.
- 3.1.2 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3, tables S3.2 and S3.3.
- 3.1.3 For the following activities referenced in schedule 1, table S1.1, A4, A7, A9, A15, A16 and A17. The limits given in schedule 3, table S3.2 shall not be exceeded, save that compliance with an emission limit in that table shall include incorporation of the uncertainty allowance stated in Environment Agency guidance LFTGN 05 and LFTGN 08.
- 3.1.4 For the following activities referenced in schedule 1, table S1.1 A1 to A2, where a substance is specified in schedule 3, tables S3.3, S3.7 or S3.12 but no limit is set for it, the concentration of such substance in emissions to water from the relevant emission point shall be no greater than the background concentration.
- 3.1.5 The operator shall prevent the input of any hazardous substances from the activities into groundwater.
- 3.1.6 For the following activities referenced in schedule 1, table S1.1, A1 and A2, the operator shall submit to the Environment Agency a review of the Hydrogeological Risk Assessment:
- (a) between nine and six months prior to the fourth anniversary of the granting of the permit; and
  - (b) between nine and six months prior to every subsequent six years after the fourth anniversary of the granting of the permit.
- 3.1.7 For the following activities referenced in schedule 1, table S1.1, A3 to A6, periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on systematic appraisal of the risk of contamination.

### **3.2 Emissions of substances not controlled by emission limits**

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

### **3.3 Odour**

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

3.3.2 The operator shall:

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

### **3.4 Noise and vibration**

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

3.4.2 The operator shall:

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

### **3.5 Monitoring**

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

- (a) Leachate specified in tables S3.1 and S3.10;
- (b) Point source emissions specified in tables S3.2 and S3.3;
- (c) Groundwater specified in tables S3.4 and S3.81;
- (d) Landfill gas specified in tables S3.5, S3.7 and S3.9;
- (e) Surface water specified in table S3.11;
- (f) Particulate matter specified in table S3.6; and
- (g) Process monitoring specified in table S3.12.

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 For the following activities referenced in schedule 1, table S1.1, A1 and A2 a topographical survey of the site referenced to ordnance datum shall be carried out and shall be used to produce a plan of a scale adequate to show the surveyed features of the site:

- (a) annually; and
- (b) prior to the disposal of waste in any new cell or new development area of the landfill; and
- (c) following closure of the landfill or part of the landfill.

### **3.6 Pests**

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

3.6.2 The operator shall:

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

### **3.7 Fire prevention**

3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

## 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;
  - (vi) the location of hazardous waste deposits; and
  - (vii) the specification and as built drawings of the basal, sidewall and capping engineering systems.

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

### 4.2 Reporting

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

4.2.2 For the following activities referenced in schedule 1, table S1.1, A1 to A24, a report or reports on the performance of the activities over the previous year ('the annual report') shall be submitted to the Environment Agency by 31st January each year or such other date as may be agreed in writing by the Agency, with the exception of 4.2.2(c) that must be provided by the end of February each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the risk assessments submitted in relation to this installation and any agreed amendments thereto. The review will include written descriptions of the improvements made to operational performance during the year, action plans developed and planned improvements for the coming year;
- (b) the energy consumed at the site, reported in the format set out in schedule 4 table S4.3;
- (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 behaviour of the landfill body based on the difference between the most recent topographical survey and previous annual topographical survey for the areas of the landfill which did not receive waste between the surveys;
  - (g) a calculation of the remaining capacity (reported in cubic metres) derived from the pre-settlement contours and the most recent topographical survey; and
  - (h) a plan(s) ('the monitoring and extraction point plan – MEPP') showing the locations of existing and any new leachate and landfill gas extraction and monitoring points.
- 4.2.3 For the following activities referenced in schedule 1, table S1.1, A1 to A24, within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4, table S4.1;
  - (b) using the forms specified in schedule 4, table S4.4 or other reporting format as agreed in writing with the Environment Agency; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.
- 4.2.5 For the following activities referenced in schedule 1, table S1.1, A1 to A24, 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 For the following activities referenced in schedule 1, table S1.1, A1 to A24, in the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
    - (i) inform the Environment Agency;
    - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident; and
    - (iii) take the measures necessary to prevent further possible incidents or accidents.
  - (b) of a breach of any permit condition the operator must immediately—
    - (i) inform the Environment Agency; and
    - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time.
  - (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 For the following activity referenced in schedule 1, table S1.1, A23 & A24, the Environment Agency shall be notified without delay following the detection of:

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

4.3.4 Any information provided under condition 4.3.3 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

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

Where the operator is a registered company:

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

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

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

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

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

## 4.4 Interpretation

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

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

# Schedule 1 – Operations

Table S1.1 activities				
Activity reference	WFD Annex I and II operations (where applicable)	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
A1	D5 - Specially engineered landfill.	Section 5.2 Part A(1)(a), The disposal of waste in a landfill.	Landfill for non-hazardous waste and landfill restoration.	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.6, as an integral part of landfilling.
A2	D5 - Specially engineered landfill	Section 5.2 Part A(1)(a), The disposal of waste in a landfill.	Landfill for hazardous waste – asbestos waste and construction material containing asbestos.	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.6, as an integral part of landfilling.
A3	D8 - Biological treatment of waste	Section 5.4, Part A(1)(a)(i), Biological treatment of non-hazardous waste.	Treatment of leachate in a facility with a capacity of >50 tonnes/ day.	Leachate arising from the landfill and imported from other waste management facilities to point of discharge. Waste types and quantities as specified in table S2.4
A4	D8 - Biological treatment of waste R3 - Recycling / reclamation of organic substances which are not used as solvents R13 - Storage of waste pending any of the operations numbered R1 and R3 (excluding temporary storage, pending collection, on the site where it is produced)	Section Part 5.4 A(1)(b)(i) Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment.	Anaerobic digestion of permitted wastes (<10 tonnes of animal carcasses and animal waste per day) followed by burning of biogas produced from the process.	Pre-treatment of wastes as listed in table S2.5 prior to digestion which includes screening, shredding and maceration. Anaerobic digestion of wastes as listed in table S2.5 including pasteurisation and chemical addition. Gas cleaning by biological or chemical scrubbing. Post-treatment of digestate including screening to remove plastic residues, centrifuge or pressing, addition of thickening agents (polymers) or drying. From the receipt of waste listed in table S2.5 through to its digestion and recovery of by-products from the installation. The activity shall only take place in the area labelled “Anaerobic Digestion Plant” on drawing WAL2000

<b>Table S1.1 activities</b>				
<b>Activity reference</b>	<b>WFD Annex I and II operations (where applicable)</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
A5	D8 - Biological treatment of waste R3 - Recycling / reclamation of organic substances	Section 5.4 Part A(1)(b)(i) Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment.	Treatment of liquid digestate from anaerobic digestion.	Effluent arising from the dewatering of digestate from the anaerobic digestion plant to point of discharge or recirculation into the anaerobic digestion plant. The activity shall only take place in the area labelled "Anaerobic Digestion Plant" on drawing WAL2000.
A6	R3: Recycling / reclamation of organic substances which are not used as solvents	S5.4 A(1) (b) (i) Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment.	Open windrow composting.	From receipt of waste through to composting and recovery of by-products. Composting of permitted waste under aerobic conditions in open systems such as outdoor turned windrows or aerated static piles on impermeable surface with sealed drainage system. Waste types suitable for acceptance are limited to those specified in Table S2.8.
<b>Directly Associated Activities</b>				
A7	R1 - use principally as a fuel to generate energy	-	Pre-treatment and utilisation of landfill gas for energy recovery in an appliance with a rated thermal input < 50MW.	Treatment and utilisation of landfill gas arising from the landfill.
A8	N/A	-	Temporary storage of waste (leachate).	Groundwater and treated leachate arising from the landfill and imported from other waste management facilities (Activity A2) and from the AD effluent treatment plant (Activity A3).
A9	N/A	-	Flaring of landfill gas for disposal in an appliance.	Landfill gas arising from the landfill.
A10	D6 - release to water body except seas/ oceans	-	Discharges of site drainage and treated leachate from the landfill and anaerobic digestion facility.	From surface water and groundwater management system to entry to controlled waters (emission points as detailed in table S3.3).
A11	N/A	-	Storage of fuel for operation of plant and equipment.	Fuel storage tank.

<b>Table S1.1 activities</b>				
<b>Activity reference</b>	<b>WFD Annex I and II operations (where applicable)</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
A12	D9 - Physico-chemical treatment which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (e.g. evaporation, drying, calcination)	-	Storage and treatment of waste via crushing and screening.	Receipt, handling and processing of Construction and Demolition waste for use as cover and for site roads at the landfill (Activity A1).
A13	D9 - Physico-chemical treatment which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (e.g. evaporation, drying, calcination)	-	Storage and treatment by dewatering of street sweeping waste.	Receipt, handling, storage and dewatering of street sweeping waste to disposal of solids in the landfill (Activity A1) and tankering of effluent off-site.
A14	N/A	-	Storage of raw materials	Storage of raw materials for use in activities A3 to A6
A15	R1 - use principally as a fuel to generate energy	-	Combustion of biogas in two combined heat and power (CHP) engines with a thermal input of 2865 kWth per engine.	From the receipt of biogas produced on-site from Activity A4 to combustion via CHP engines with the release of combustion gases. Auxiliary boiler: From the receipt of fuel (biogas) to despatch to boilers for combustion with release of combustion gases.
A16	D10 - Incineration on land	-	Use of an auxiliary flare required only for periods of breakdown or maintenance of the CHP engines.	From the receipt of biogas produced on-site from Activity A4 to incineration with the release of combustion gases.
A17	N/A	-	Storage of biogas produced from anaerobic digestion of permitted waste on site.	From the storage of biogas produced from anaerobic digestion (Activity A4) to despatch for combustion.
A18	R13 - Storage of waste pending the R3 operation (excluding temporary storage, pending collection, on the site where it is produced)	-	Storage of waste pending recovery or disposal.	From the receipt of waste to despatch for composting or despatch off site for recovery. Storage of waste on an impermeable surface with sealed drainage. Waste types suitable for acceptance are limited to those specified in Table S2.8.

<b>Table S1.1 activities</b>				
<b>Activity reference</b>	<b>WFD Annex I and II operations (where applicable)</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
A19	R3 - Recycling/ reclamation of organic substances which are not used as solvents	-	Physical treatment for the purpose of recycling.	From the receipt of waste to despatch for composting or despatch off site for recovery. Pre-treatment of waste prior to composting on an impermeable surface including shredding and screening. Post-treatment of processed compost on an impermeable surface including screening to remove contraries. Waste types suitable for acceptance are limited to those specified in Table S2.8.
A20	N/A	-	Storage of processed compost on an impermeable surface.	From the receipt of processed compost produced at the facility to despatch for use off-site.
A21	N/A	-	Collection and storage of compost liquor/leachate in one lagoon.	From the receipt of compost leachate produced at the facility to despatch off site for recovery or disposal.
A22	N/A	-	Collection and storage of site surface water in one lagoon.	From the collection of uncontaminated roof and site surface water from non operational areas only to re-use within the facility or discharge off-site.
<b>Waste operations</b>				
A23	R3 – Recycling/reclamation of organic substances which are not used as solvents	-	--	Treatment of wood wastes in the area labelled “Woodchip Processing Area” on drawing reference WAL2000. Waste types in accordance with table S2.6. No more than 25,000 tonnes per annum.
	R13 – Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	--	--	Storage in area labelled “Woodchip Storage Area” on drawing reference WAL2000. No more than 2000 tonnes stored at any one time.

<b>Table S1.1 activities</b>				
<b>Activity reference</b>	<b>WFD Annex I and II operations (where applicable)</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
A24	<p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)</p> <p>R4: Recycling/reclamation of metals and metal compounds</p> <p>R5: Recycling/reclamation of other inorganic materials</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced)</p>			<p>Treatment consisting only of manual sorting or manual separation of waste into different components for disposal, (no more than 50 tonnes per day) or recovery, within the Waste Transfer Station building marked on drawing reference WAL-TS-007.</p> <p>Annual throughput 150,000 tonnes.</p> <p>No more than 1,400 tonnes of waste will be stored at any one time.</p> <p>Maximum storage period for all wastes 72 hours, as stated in Section 2.4 of the Operating Techniques Report.</p> <p>Waste types as specified in Table S2.9.</p>

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	The response to questions 2.1 given in document ref. Report D/180/D011 working plan and working plan appendices of the application excluding all details of the proposed final landform.	20/12/2002
Application Responses to letter dated 5 February 2004	Response to questions on the working plan with respect to working plan index	06/05/2004
	Waste types;	11/06/2004
	Waste acceptance criteria;	16/03/2004
	Landfill gas management;	30/04/2004
	Surface water management system;	26/03/2004 & 06/05/2004
	Location of quarantine area;	16/03/2004
	Monitoring and sampling quality control plan;	30/04/2004
	Sampling plan for incoming waste; and	12/03/2004
	Meteorological monitoring. Which supplement or replace the relevant sections in document reference Report D/180/D011 working plan and working plan appendices	16/03/2004
Variation Application DP3132SF	Application for Modification of PPC Permit Document Reference D/180/018	12/04/2005
Post Permit Issue Responses to Improvement Conditions 9.4, 9.5, 9.7 & 9.8	Review of analytical suites and sampling schedules	10/09/2006
	Stability Risk Assessment for asbestos cell in existing site	July 2005
	Dust Monitoring Protocol	20/04/2006
	Asbestos Monitoring Protocol	January 2006 & 20/04/2006
Site Protection and Monitoring Programme	Site Protection and Monitoring Plan submitted in response to condition 2.11 of this permit.	
Compliance with IC1	Drawing reference WAL7000/SEP'08 titled "Top of final waste plan".	26/09/2008
Substantial Variation Application EA/EPR/BK6785IE/V005	Section C of the Environmental Permit Application SLR Ref 402-0036-00328 January 2009	19/03/2009
Schedule 5 Notice issued 24/07/09	Response to questions 3, 4 and 5.	02/09/2009
Hydrogeological Risk Assessment Review	All – except those techniques that have been amended in the correspondence listed below	April 2012
Correspondence from Viridor dated 10 <sup>th</sup> August 2012 (Ref: 2012/Env/WPHRAR/se_10082012)	All – except those techniques that have been amended in the correspondence listed below	10/08/2012
Correspondence from Viridor dated 10 <sup>th</sup> September 2012 – Email 'Walpole HRAR and permit variation' & Letter '2012/Env/WP/se_10092012'	All	10/09/2012
Perimeter Gas Monitoring Management Report	All – Except those techniques that have been amended in the Schedule 5 Notice response received 03/10/2012 (referenced below)	March 2012



<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Variation Application EPR/BK6785IE/V008	Application Form Part C4 Response to questions 3 & 4.	27/06/2012
Response to Schedule 5 Notice	Responses to questions 1, 2, 4, 6, 9, 10, 11, 12, 13, 14 and 15	03/10/2012
Variation application EPR/BK6785IE/V010	Application form Part C3 – response to question 3a Application form Part B4 – response to question 3a WALSUPDOC13 (Supporting statement dated 28/03/2013) – sections 3 and 4.	27/06/2013
Response to Schedule 5 Notice dated 25/07/2013	Response to questions 1 and 2 and drawing reference WALAD07	09/08/2013
PO3 Walpole street sweeping dewatering procedure	All	29/10/2013
Operator response to Improvement Condition IC6	Groundwater control and compliance limits	31/01/2014
Walpole Waste Acceptance Protocol (for restoration wastes)	All	16/05/2014
Response to Improvement Condition IC8	Proposals for the management of surface water at the waste wood treatment area – cover letter, reference 2014_EP_IC8_kn_140930, and associated drawing, reference WAL080	30/09/2014
Landfill Gas Management Plan V4.2	All	Approved
Variation application EPR/BK6785IE/V012 and EPR/LP3495LX/V003	Site plan ref WAL093	15/04/2015
Variation Application EPR/BK6785IE/V014	Application form Part C3 – response to question 3a Application form Part C4 – response to question 3a Supporting statement dated November 2018 all Sections. Waste Transfer Station Odour management Plan Version 1.0 dated October 2018 Waste Transfer Station Fire Prevention Plan Version 1.0 dated 24/10/2019	15/11/2019
Response to Schedule 5 Notice dated 19/03/2019	Further information in support of the application including drawing reference WALTS 007-A3 Walpole Transfer Station General Arrangement Plan.	03/04/2019

<b>Table S1.3 Pre-operational measures</b>	
<b>Reference</b>	<b>Pre-operational measures</b>
1	Prior to operation of the 'Waste transfer Station' the operator shall submit a CQA Validation Report within four weeks of the completion of the construction of the relevant waste transfer infrastructure (Activity A24), or other time period agreed in writing with the Environment Agency.

<b>Table S1.4 Landfill Annual waste input limits</b>	
<b>Category</b>	<b>Limit Tonnes/ Year</b>
Non-hazardous waste	150,000
Inert waste	
Asbestos waste and construction material containing asbestos	99,000
Waste for restoration	120,000
<b>Total</b>	<b>369,000</b>

## Schedule 2 – List of permitted wastes

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)	
Waste code	Description
<b>01</b>	<b>Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals</b>
<b>01 01</b>	<b>wastes from mineral excavation</b>
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
<b>01 03</b>	<b>wastes from physical and chemical processing of metalliferous minerals</b>
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 08	dusty and powdery wastes other than those mentioned in 01 03 07
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 07
<b>01 04</b>	<b>wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 10	dusty and powdery wastes other than those mentioned in 01 04 07
01 04 11	wastes from potash and rock salt processing 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
<b>01 05</b>	<b>drilling muds and other drilling wastes</b>
01 05 04	freshwater drilling muds and wastes
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
<b>02</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing</b>
<b>02 01</b>	<b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 01	sludges from washing and cleaning
02 01 02	animal-tissue waste
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 01 07	wastes from forestry
02 01 09	agrochemical waste other than those mentioned in 02 01 08
02 01 10	waste metal
<b>02 02</b>	<b>wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 01	sludges from washing and cleaning
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-site effluent treatment
<b>02 03</b>	<b>wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation</b>
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	wastes from preserving agents
02 03 03	wastes from solvent extraction
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
<b>02 04</b>	<b>wastes from sugar processing</b>
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
02 04 03	sludges from on-site effluent treatment
<b>02 05</b>	<b>wastes from the dairy products industry</b>
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 06 03	sludges from on-site effluent treatment
<b>02 07</b>	<b>wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 03	wastes from chemical treatment
02 07 04	materials unsuitable for consumption or processing
02 07 05	sludges from on-site effluent treatment

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
<b>03</b>	<b>Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard</b>
<b>03 01</b>	<b>wastes from wood processing and the production of panels and furniture</b>
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 01	waste bark and wood
03 03 02	green liquor sludge (from recovery of cooking liquor)
03 03 05	de-inking sludges from paper recycling
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling
03 03 09	lime mud waste
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
<b>04</b>	<b>Wastes from the leather, fur and textile industries</b>
<b>04 01</b>	<b>wastes from the leather and fur industry</b>
04 01 01	fleshings and lime split wastes
04 01 02	liming waste
04 01 06	sludges, in particular from on-site effluent treatment containing chromium
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
<b>04 02</b>	<b>wastes from the textile industry</b>
04 02 09	wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10	organic matter from natural products (for example grease, wax)
04 02 15	wastes from finishing other than those mentioned in 04 02 14
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
<b>05</b>	<b>Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal</b>
<b>05 01</b>	<b>wastes from petroleum refining</b>
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
05 01 16	sulphur-containing wastes from petroleum desulphurisation
05 01 17	bitumen
<b>05 06</b>	<b>wastes from the pyrolytic treatment of coal</b>
05 06 04	waste from cooling columns
<b>05 07</b>	<b>wastes from natural gas purification and transportation</b>
05 07 02	wastes containing sulphur
<b>06</b>	<b>Wastes from inorganic chemical processes</b>
<b>06 03</b>	<b>wastes from the MFSU of salts and their solutions and metallic oxides</b>
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 03 16	metallic oxides other than those mentioned in 06 03 15
<b>06 05</b>	<b>sludges from on-site effluent treatment</b>
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
<b>06 06</b>	<b>wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes</b>
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
<b>06 09</b>	<b>wastes from the MFSU of phosphorous chemicals and phosphorous chemical processes</b>
06 09 02	phosphorous slag
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
<b>06 11</b>	<b>wastes from the manufacture of inorganic pigments and opacifiers</b>
06 11 01	calcium-based reaction wastes from titanium dioxide production
<b>06 13</b>	<b>wastes from inorganic chemical processes not otherwise specified</b>
06 13 03	carbon black
<b>07</b>	<b>Wastes from organic chemical processes</b>
<b>07 02</b>	<b>wastes from the MFSU of plastics, synthetic rubber and man-made fibres</b>
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 13	waste plastic
07 02 15	wastes from additives other than those mentioned in 07 02 14
<b>07 03</b>	<b>wastes from the MFSU of organic dyes and pigments (except 06 11)</b>
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
<b>07 04</b>	<b>wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides</b>
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
<b>07 05</b>	<b>wastes from the MFSU of pharmaceuticals</b>
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 05 14	solid wastes other than those mentioned in 07 05 13

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
<b>07 06</b>	<b>wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics</b>
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
<b>07 07</b>	<b>wastes from the MFSU of fine chemicals and chemical products not otherwise specified</b>
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11
<b>08</b>	<b>Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks</b>
<b>08 01</b>	<b>wastes from MFSU and removal of paint and varnish</b>
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
<b>08 02</b>	<b>wastes from MFSU of other coatings (including ceramic materials)</b>
08 02 01	waste coating powders
08 02 02	aqueous sludges containing ceramic materials
<b>08 03</b>	<b>wastes from MFSU of printing inks</b>
08 03 07	aqueous sludges containing ink
08 03 15	ink sludges other than those mentioned in 08 03 14
08 03 18	waste printing toner other than those mentioned in 08 03 17
<b>08 04</b>	<b>wastes from MFSU of adhesives and sealants (including water proofing products)</b>
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
<b>09</b>	<b>Wastes from the photographic industry</b>
<b>09 01</b>	<b>wastes from the photographic industry</b>
09 01 07	photographic film and paper containing silver or silver compounds
09 01 08	photographic film and paper free of silver or silver compounds
09 01 10	single-use cameras without batteries
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
<b>10</b>	<b>Wastes from thermal processes</b>
<b>10 01</b>	<b>wastes from power stations and other combustion plants (except 19)</b>
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	coal fly ash
10 01 03	fly ash from peat and untreated wood
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24	sands from fluidised beds
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
10 01 26	wastes from cooling-water treatment
<b>10 02</b>	<b>wastes from the iron and steel industry</b>
10 02 01	wastes from the processing of slag
10 02 02	unprocessed slag
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
<b>10 03</b>	<b>wastes from aluminium thermal metallurgy</b>
10 03 02	anode scraps
10 03 05	waste alumina
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
<b>10 04</b>	<b>wastes from lead thermal metallurgy</b>
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
<b>10 05</b>	<b>wastes from zinc thermal metallurgy</b>
10 05 01	slags from primary and secondary production
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11	dross and skimmings other than those mentioned in 10 05 10
<b>10 06</b>	<b>wastes from copper thermal metallurgy</b>
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production



<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
10 06 04	other particulates and dust
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
<b>10 07</b>	<b>wastes from silver, gold and platinum thermal metallurgy</b>
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 04	other particulates and dust
10 07 05	sludges and filter cakes from gas treatment
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
<b>10 08</b>	<b>wastes from other non-ferrous thermal metallurgy</b>
10 08 04	particulates and dust
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
<b>10 09</b>	<b>wastes from casting of ferrous pieces</b>
10 09 03	furnace slag
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 10	flue-gas dust other than those mentioned in 10 09 09
10 09 12	other particulates other than those mentioned in 10 09 11
10 09 14	waste binders other than those mentioned in 10 09 13
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15
<b>10 10</b>	<b>wastes from casting of non-ferrous pieces</b>
10 10 03	furnace slag
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 10	flue-gas dust other than those mentioned in 10 10 09
10 10 12	other particulates other than those mentioned in 10 10 11
10 10 14	waste binders other than those mentioned in 10 10 13

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
<b>10 11</b>	<b>wastes from manufacture of glass and glass products</b>
10 11 03	waste glass-based fibrous materials
10 11 05	particulates and dust
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 14	glass-polishing and -grinding sludge other than those mentioned in 10 11 13
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
<b>10 12</b>	<b>wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>
10 12 01	waste preparation mixture before thermal processing
10 12 03	particulates and dust
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 12 13	sludge from on-site effluent treatment
<b>10 13</b>	<b>wastes from manufacture of cement, lime and plaster and articles and products made from them</b>
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 06	particulates and dust (except 10 13 12 and 10 13 13)
10 13 07	sludges and filter cakes from gas treatment
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete and concrete sludge
<b>11</b>	<b>Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy</b>
<b>11 01</b>	<b>wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)</b>
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 14	degreasing wastes other than those mentioned in 11 01 13

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
<b>11 02</b>	<b>wastes from non-ferrous hydrometallurgical processes</b>
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
<b>11 05</b>	<b>wastes from hot galvanising processes</b>
11 05 01	hard zinc
11 05 02	zinc ash
<b>12</b>	<b>Wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
<b>12 01</b>	<b>wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
12 01 01	ferrous metal filings and turnings
12 01 02	ferrous metal dust and particles
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
12 01 05	plastics shavings and turnings
12 01 13	welding wastes
12 01 15	machining sludges other than those mentioned in 12 01 14
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
<b>15</b>	<b>Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
<b>15 02</b>	<b>absorbents, filter materials, wiping cloths and protective clothing</b>
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
<b>16</b>	<b>Wastes not otherwise specified in the list</b>
<b>16 01</b>	<b>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)</b>
16 01 03	end-of-life tyres (only in accordance with condition 2.6.1 (c) of this permit)

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	plastic
16 01 20	glass
<b>16 02</b>	<b>wastes from electrical and electronic equipment</b>
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
<b>16 03</b>	<b>off-specification batches and unused products</b>
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
<b>16 08</b>	<b>spent catalysts</b>
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
16 08 03	spent catalysts containing transition metals or transition metal compounds not otherwise specified
<b>16 11</b>	<b>waste linings and refractories</b>
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 01</b>	<b>concrete, bricks, tiles and ceramics</b>
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<b>17 02</b>	<b>wood, glass and plastic</b>
17 02 01	wood
17 02 02	glass
17 02 03	plastic
<b>17 03</b>	<b>bituminous mixtures, coal tar and tarred products</b>
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
<b>17 04</b>	<b>metals (including their alloys)</b>
17 04 01	copper, bronze, brass
17 04 03	lead
17 04 04	zinc

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
<b>17 06</b>	<b>insulation materials and asbestos-containing construction materials</b>
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
<b>17 09</b>	<b>other construction and demolition wastes</b>
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
<b>18</b>	<b>Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)</b>
<b>18 01</b>	<b>wastes from natal care, diagnosis, treatment or prevention of disease in humans</b>
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)
18 01 07	chemicals other than those mentioned in 18 01 06
<b>18 02</b>	<b>wastes from research, diagnosis, treatment or prevention of disease involving animals</b>
18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection
18 02 06	chemicals other than those mentioned in 18 02 05
<b>19</b>	<b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>
<b>19 01</b>	<b>wastes from incineration or pyrolysis of waste</b>
19 01 02	ferrous materials removed from bottom ash
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 14	fly ash other than those mentioned in 19 01 13
19 01 16	boiler dust other than those mentioned in 19 01 15
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
<b>19 02</b>	<b>wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
<b>19 03</b>	<b>stabilised/solidified wastes</b>
19 03 05	stabilised wastes other than those mentioned in 19 03 04

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
19 03 07	solidified wastes other than those mentioned in 19 03 06
<b>19 04</b>	<b>vitrified waste and wastes from vitrification</b>
19 04 01	vitrified waste
<b>19 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
<b>19 06</b>	<b>wastes from anaerobic treatment of waste</b>
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
<b>19 08</b>	<b>wastes from waste water treatment plants not otherwise specified</b>
19 08 01	screenings
19 08 02	waste from desanding
19 08 05	sludges from treatment of urban waste water
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
<b>19 09</b>	<b>wastes from the preparation of water intended for human consumption or water for industrial use</b>
19 09 01	solid waste from primary filtration and screenings
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation
19 09 04	spent activated carbon
19 09 05	saturated or spent ion exchange resins
19 09 06	solutions and sludges from regeneration of ion exchangers
<b>19 10</b>	<b>wastes from shredding of metal-containing wastes</b>
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 06	other fractions other than those mentioned in 19 10 05
<b>19 11</b>	<b>wastes from oil regeneration</b>
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
<b>19 13</b>	<b>wastes from soil and groundwater remediation</b>
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
<b>20</b>	<b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>
<b>20 01</b>	<b>separately collected fractions (except 15 01)</b>
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 25	edible oil and fat
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30	detergents other than those mentioned in 20 01 29
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 01 41	wastes from chimney sweeping
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes
<b>20 03</b>	<b>other municipal wastes</b>
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 04	septic tank sludge

<b>Table S2.2 Permitted waste types for disposal in the landfill (Activity A1)</b>	
<b>Waste code</b>	<b>Description</b>
20 03 06	waste from sewage cleaning
20 03 07	bulky waste

<b>Table S2.3 Permitted waste types for disposal in the asbestos cell (Activity A2)</b>	
<b>Waste code</b>	<b>Description</b>
<b>06</b>	<b>Wastes from inorganic chemical processes</b>
<b>06 07</b>	<b>wastes from the MFSU of halogens and halogen chemical process</b>
06 07 01*	wastes containing asbestos from electrolysis
<b>06 13</b>	<b>wastes from inorganic chemical processes not otherwise specified</b>
06 13 04*	waste from asbestos processing
<b>10</b>	<b>Wastes from thermal processes</b>
<b>10 13</b>	<b>wastes from manufacture of cement, lime and plaster and articles and products made from them</b>
10 13 09*	wastes from asbestos-cement manufacture containing asbestos
<b>15</b>	<b>Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
15 01 11*	metallic packaging containing a hazardous solid porous matrix (for example asbestos) including empty pressure containers
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances
<b>16</b>	<b>Wastes not otherwise specified in the list</b>
<b>16 01</b>	<b>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)</b>
16 01 11*	brake pads containing asbestos
<b>16 02</b>	<b>wastes from electrical and electronic equipment</b>
16 02 12*	discarded equipment containing free asbestos
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 01</b>	<b>concrete, bricks, tiles and ceramics</b>
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances – hazardous nature due to asbestos only
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 03*	soil and stones containing hazardous substances – hazardous nature due to asbestos only
<b>17 06</b>	<b>insulation materials and asbestos-containing construction materials</b>
17 06 01*	insulation materials containing asbestos
17 06 05*	construction materials containing asbestos



<b>Table S2.3 Permitted waste types for disposal in the asbestos cell (Activity A2)</b>	
<b>Waste code</b>	<b>Description</b>
<b>17 09</b>	<b>other construction and demolition wastes</b>
17 09 03*	other construction and demolition wastes (including mixed wastes) containing hazardous substances

<b>Table S2.4 Permitted waste types and quantities for disposal in the leachate treatment plant (Activity A3)</b>	
<b>Maximum quantity</b>	15,000 tonnes per year
<b>Waste code</b>	<b>Description</b>
<b>19</b>	<b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>
<b>19 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
19 05 99	wastes not otherwise specified (compost leachate)
<b>19 07</b>	<b>landfill leachate</b>
19 07 03	landfill leachate other than those mentioned in 19 07 02

<b>Table S2.5 Permitted waste types and quantities for Anaerobic Digestion Facility (Activity A4)</b>	
<b>Maximum quantity</b>	45,000 tonnes per year (<10 tonnes of animal carcasses and animal waste per day)
<b>Waste code</b>	<b>Description</b>
<b>02</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing.</b>
<b>02 01</b>	<b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 01	sludges from washing and cleaning
02 01 02	animal tissue waste
02 01 03	Plant tissue waste
02 01 06	animal faeces, urine and manure (including spoiled straw)
02 01 07	wastes from forestry
<b>02 02</b>	<b>wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 01	sludges from washing and cleaning
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-site effluent treatment
<b>02 03</b>	<b>wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation</b>
02 03 02	wastes from preserving agents
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment

<b>Table S2.5 Permitted waste types and quantities for Anaerobic Digestion Facility (Activity A4)</b>	
<b>Maximum quantity</b>	45,000 tonnes per year (<10 tonnes of animal carcasses and animal waste per day)
<b>Waste code</b>	<b>Description</b>
<b>02 04</b>	<b>wastes from sugar processing</b>
02 04 03	sludges from on-site effluent treatment
<b>02 05</b>	<b>wastes from the dairy products industry</b>
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
02 06 01	materials unsuitable for consumption or processing
02 06 03	sludge's from on-site effluent treatment
<b>02 07</b>	<b>wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 04	materials unsuitable for consumption or processing
<b>19</b>	<b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>
<b>19 02</b>	<b>wastes from physico/chemical treatments of waste</b>
19 02 10	combustible wastes
<b>19 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
<b>19 06</b>	<b>wastes from anaerobic treatment of waste</b>
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
<b>19 08</b>	<b>wastes from waste water treatment works</b>
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
<b>20</b>	<b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>
<b>20 01</b>	<b>separately collected fractions (except 15 01)</b>
20 01 01	paper and cardboard
20 01 08	biodegradable kitchen and canteen waste
20 01 25	edible oil and fat
20 01 38	wood (where no non-biodegradable coating or preserving substance present)
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	biodegradable waste

<b>Table S2.5 Permitted waste types and quantities for Anaerobic Digestion Facility (Activity A4)</b>	
<b>Maximum quantity</b>	45,000 tonnes per year (<10 tonnes of animal carcasses and animal waste per day)
<b>Waste code</b>	<b>Description</b>
<b>20 03</b>	<b>other municipal wastes</b>
20 03 01	mixed municipal waste – separately collected biowastes
20 03 02	wastes from markets – markets – allowed only if source segregated biodegradable fractions e.g. plant material, fruit and vegetables

<b>Table S2.6 Permitted waste types and quantities for treatment in wood chip area (Activity A23)</b>	
<b>Maximum quantity</b>	25,000 tonnes per year
<b>Waste code</b>	<b>Description</b>
<b>02</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing</b>
<b>02 01</b>	<b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 03	plant-tissue waste
02 01 07	wastes from forestry
<b>03</b>	<b>Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard</b>
<b>03 01</b>	<b>wastes from wood processing and the production of panels and furniture</b>
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 01	waste bark and wood
<b>15</b>	<b>Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
15 01 03	wooden packaging
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 02</b>	<b>wood, glass and plastic</b>
17 02 01	wood
<b>19</b>	<b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 07	wood other than that mentioned in 19 12 06
<b>20</b>	<b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>
<b>20 01</b>	<b>separately collected fractions (except 15 01)</b>
20 01 38	wood other than that mentioned in 20 01 37

<b>Table S2.6 Permitted waste types and quantities for treatment in wood chip area (Activity A23)</b>	
<b>Maximum quantity</b>	25,000 tonnes per year
<b>Waste code</b>	<b>Description</b>
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	biodegradable waste – comprising wood only

<b>Table S2.7 Permitted waste types for restoration (Activity A1 &amp; A2)</b>	
<b>Waste code</b>	<b>Description</b>
<b>01</b>	<b>Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals</b>
<b>01 04</b>	<b>wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
<b>02</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing</b>
<b>02 04</b>	<b>wastes from sugar processing</b>
02 04 01	soil from cleaning and washing beet
<b>03</b>	<b>Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard</b>
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 05	de-inking sludges from paper recycling
03 03 09	lime mud waste
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
<b>19</b>	<b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>
<b>19 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
19 05 03	off-specification compost
<b>19 08</b>	<b>wastes from waste water treatment plants not otherwise specified</b>
19 08 05	sludges from treatment of urban waste water
<b>19 09</b>	<b>wastes from the preparation of water intended for human consumption or water for industrial use</b>
19 09 02	sludges from water clarification
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 09	minerals (for example sand, stones)

<b>Table S2.7 Permitted waste types for restoration (Activity A1 &amp; A2)</b>	
<b>Waste code</b>	<b>Description</b>
<b>19 13</b>	<b>wastes from soil and groundwater remediation</b>
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
<b>20</b>	<b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 02	soil and stones

<b>Table S2.8 Permitted waste types and quantities for composting in open systems (Activity A6, A18 and A19)</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 75,000 tonnes.</b>
<b>Exclusions</b>	Wastes having any of the following characteristics shall not be accepted: - consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; - wastes that are in a form which is liquid; - wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed; - hazardous wastes
<b>Waste code</b>	<b>Description</b>
<b>02</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing</b>
<b>02 01</b>	<b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 03	plant-tissue waste
02 01 06	animal faeces, urine and manure (including spoiled straw) only
02 01 07	wastes from forestry (biodegradable only)
<b>02 03</b>	<b>wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation</b>
02 03 04	materials unsuitable for consumption or processing (biodegradable only)
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
02 06 01	biodegradable materials unsuitable for consumption or processing (other than those containing dangerous substances)
<b>03</b>	<b>Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard</b>
<b>03 01</b>	<b>wastes from wood processing and the production of panels and furniture</b>
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood and particle board other than those mentioned in 03 01 04 only
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 01	waste bark and wood

<b>Table S2.8 Permitted waste types and quantities for composting in open systems (Activity A6, A18 and A19)</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 75,000 tonnes.</b>
<b>Exclusions</b>	Wastes having any of the following characteristics shall not be accepted: - consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; - wastes that are in a form which is liquid; - wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed; - hazardous wastes
<b>Waste code</b>	<b>Description</b>
<b>15</b>	<b>Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
15 01 01	paper and cardboard packaging (excluding veneers, plastic coatings or laminates)
15 01 03	wooden packaging
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 02</b>	<b>wood, glass and plastic</b>
17 02 01	wood
<b>19</b>	<b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>
<b>19 06</b>	<b>wastes from anaerobic treatment of waste</b>
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
<b>19 12</b>	<b>wastes from the mechanical treatment of waste</b>
19 12 01	paper and cardboard
19 12 07	wood other than wood containing dangerous substances
<b>20</b>	<b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>
<b>20 01</b>	<b>separately collected fractions (except 15 01)</b>
20 01 38	wood other than that mentioned in 20 01 37
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	biodegradable waste (plant matter only)
<b>20 03</b>	<b>other municipal wastes</b>
20 03 02	waste from markets (biodegradable only)

<b>Table S2.9 Permitted waste types for waste transfer (Activity A24)</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 150,000 tonnes.</b>
<b>Exclusions</b>	
Wastes having any of the following characteristics shall not be accepted:	
<ul style="list-style-type: none"> <li>• Consisting solely or mainly of dusts, powders or loose fibres</li> <li>• Wastes that are in a form which is either sludge or liquid</li> </ul>	
<b>Waste code</b>	<b>Description</b>
<b>02</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing</b>
<b>02 01</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 04	Wastes plastics (except packaging)
<b>02 02</b>	<b>Wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 03	Materials unsuitable for consumption or processing
<b>03</b>	<b>Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard</b>
<b>03 01</b>	<b>wastes from wood processing and the production of panels and furniture</b>
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
<b>04</b>	<b>Wastes from the leather, fur and textile industries</b>
<b>04 01</b>	<b>wastes from the leather and fur industry</b>
04 01 09	wastes from dressing and finishing
<b>12</b>	<b>Wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
<b>12 01</b>	<b>wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
12 01 05	plastics shavings and turnings
<b>15</b>	<b>Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging

<b>Table S2.9 Permitted waste types for waste transfer (Activity A24)</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 150,000 tonnes.</b>
<b>Exclusions</b>	
Wastes having any of the following characteristics shall not be accepted:	
<ul style="list-style-type: none"> <li>• Consisting solely or mainly of dusts, powders or loose fibres</li> <li>• Wastes that are in a form which is either sludge or liquid</li> </ul>	
<b>Waste code</b>	<b>Description</b>
<b>15 02</b>	<b>absorbents, filter materials, wiping cloths and protective clothing</b>
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
<b>16</b>	<b>Wastes not otherwise specified in the list</b>
<b>16 03</b>	<b>off-specification batches and unused products</b>
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 16	organic wastes other than those mentioned in 16 03 05
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 01</b>	<b>concrete, bricks, tiles and ceramics</b>
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<b>17 02</b>	<b>wood, glass and plastic</b>
17 02 01	wood
17 02 02	glass
17 02 03	plastic
<b>17 04</b>	<b>metals (including their alloys)</b>
17 04 01	copper, bronze, brass
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
<b>17 06</b>	<b>insulation materials and asbestos-containing construction materials</b>
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03



<b>Table S2.9 Permitted waste types for waste transfer (Activity A24)</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 150,000 tonnes.</b>
<b>Exclusions</b>	
Wastes having any of the following characteristics shall not be accepted:	
<ul style="list-style-type: none"> <li>• Consisting solely or mainly of dusts, powders or loose fibres</li> <li>• Wastes that are in a form which is either sludge or liquid</li> </ul>	
<b>Waste code</b>	<b>Description</b>
17 08	<b>gypsum based construction material</b>
17 08 02	gypsum based construction materials other than those mentioned in 17 08 01
<b>17 09</b>	<b>other construction and demolition wastes</b>
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
<b>19</b>	<b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>
<b>19 01</b>	<b>wastes from incineration or pyrolysis of waste</b>
19 01 02	ferrous materials removed from bottom ash
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
<b>19 02</b>	<b>wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
<b>19 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
19 05 01	non-composted fraction of municipal and similar wastes
19 05 03	off-specification compost
<b>19 09</b>	<b>wastes from the preparation of water intended for human consumption or water for industrial use</b>
19 09 01	solid waste from primary filtration and screenings
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11

<b>Table S2.9 Permitted waste types for waste transfer (Activity A24)</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 150,000 tonnes.</b>
<b>Exclusions</b>	
Wastes having any of the following characteristics shall not be accepted:	
<ul style="list-style-type: none"> <li>• Consisting solely or mainly of dusts, powders or loose fibres</li> <li>• Wastes that are in a form which is either sludge or liquid</li> </ul>	
<b>Waste code</b>	<b>Description</b>
<b>20</b>	<b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>
<b>20 01</b>	<b>separately collected fractions (except 15 01)</b>
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 25	edible oil and fat
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30	detergents other than those mentioned in 20 01 29
20 01 32	medicines other than those mentioned in 20 01 31
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 01 41	wastes from chimney sweeping
20 01 99	Other fractions not otherwise specified; comprising separately collected fractions of municipal clinical waste (not arising from healthcare and /or related research i.e. not including natal care, diagnosis, treatment or prevention of disease) which is subject to special requirements in order to prevent infection.
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes
<b>20 03</b>	<b>other municipal wastes</b>
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 07	bulky waste

## Schedule 3 – Emissions and monitoring

Table S3.1 Leachate level limits and monitoring requirements			
Monitoring point reference/Description	Limit	Monitoring frequency	Monitoring standard and method
Original Site: WPMH1, WPMH2, WPMH3, WPMH4, WPMH5, WPMH6, WPMH7, WPMH8	4.0 m	Quarterly	In accordance with Environment Agency document LFTGN02 (February 2003) 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water' or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Northern Extension: WPMH11, WPMH12, WPMH13, WPMH14, WPMH15, WPMH16, WPMH17, WPMH18, WPMH19, WPMH20, WPMH21, WPMH22, WPMH23, WPMH24, WPMH25, WPMH26, WPMH27, WPMH28, WPMH29	1.75m	Quarterly	
		Monthly	

Table S3.2 Point source emissions to air – emission limits and monitoring requirements						
Emission point Ref. & Location	Parameter	Source	Limit (including unit)	Reference Period	Monitoring Frequency	Monitoring Standard or Method
Landfill gas engines A1, A2 and A3 located at grid references ST 31465 43240 ST 31460 43240 ST 31455 43240	Oxides of Nitrogen	Gas utilisation plant	650 mg/m <sup>3</sup>	Hourly mean	Annually	As per M2 or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	CO		1500 mg/m <sup>3</sup>			
	Total VOCs		1750 mg/m <sup>3</sup>			
Landfill gas flare A4 located at NGR ST 31460 43245 <sup>Note 1</sup>	Oxides of Nitrogen	Landfill Gas Flare	150 mg/m <sup>3</sup>	Hourly mean	Annually	
	CO		50 mg/m <sup>3</sup>			
	Total VOCs		10 mg/m <sup>3</sup>			

**Table S3.2 Point source emissions to air – emission limits and monitoring requirements**

Emission point Ref. & Location	Parameter	Source	Limit (including unit)	Reference Period	Monitoring Frequency	Monitoring Standard or Method
A5 & A6 - CHP Gas engines to the AD facility located at NGR 331368, 143363 & NGR 331377, 143363.	Oxides of Nitrogen	CHP utilisation plant	650 mg/m <sup>3</sup>	Hourly mean	Annually	
	CO		1500 mg/m <sup>3</sup>			
	Total VOCs		1750 mg/m <sup>3</sup>			
A7 – Flare located in proposed AD Plant & Gas Plant as shown on drawing WAL061/2 dated Oct 2012. <sup>Note 1</sup>	Oxides of Nitrogen	CHP Gas Flare	150 mg/m <sup>3</sup>	Hourly mean	Annually	
	CO		50 mg/m <sup>3</sup>			
	Total VOCs		10 mg/m <sup>3</sup>			
A8 - Standby Dual Fuel Boiler <sup>Note 1</sup>	Oxides of Nitrogen	Standby Boiler	No limit	Hourly mean	Annually	
	CO					
	Total VOCs					
A9 - Pressure relief valve as shown on drawing reference WALAD07	None set	Digester tank	None set	None	None	--
A10 - Pressure relief valve as shown on drawing reference WALAD07	None set	Gas holder tank	None set	None	None	--
A11 - Pressure relief valve as shown on drawing reference WALAD07	None set	Buffer tank	None set	None	None	
A12 - As shown on drawing reference WALAD07	None set	Odour control unit	None set	None	None	
A13 - As shown on drawing reference WALAD07	None set	Odour control unit	None set	None	None	

Note 1: Monitoring is unnecessary where the flare or standby boiler is active for <10% of the year.

**Table S3.3 Point source emissions to water (other than sewer) – emission limits and monitoring requirements**

Emission point Ref. & Location	Parameter	Source	Limit (incl unit)	Reference Period	Monitoring Frequency	Monitoring Standard or Method
WPD is prior to S1 pipe discharge into River Huntspill downstream of sluice gate at grid reference ST 29240 45710	Volume of discharge	Treated leachate from the landfill leachate treatment works, groundwater from beneath site engineering and treated effluent from the anaerobic digester facility	800 m <sup>3</sup> /d	Spot sample	Daily	Unless otherwise agreed in writing with the Agency monitoring methods used shall be in accordance with Agency guidance document 'Guidance on monitoring of landfill leachate, groundwater and surface water' (LFTGN02) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	Maximum rate of discharge		30 l/s	Instantaneous	Daily	
	Discharge period		4 hours before and 4 hours after high tide		Daily	
	Oil and grease		No visible film		Monthly	
	pH		6-9	Spot Sample	Monthly	
	Suspended Solids		120 mg/l			
	BOD		120 mg/l			
	Ammoniacal Nitrogen		50 mg/l			
	Arsenic		0.108 mg/l			
	Cadmium		0.1 mg/l			
	Chromium		0.2 mg/l			
	Copper		0.26 mg/l			
	Lead		2.1 mg/l			
	Mercury		0.003 mg/l			
	Nickel		5.5 mg/l			
	Zinc		2.8 mg/l			
COD Phosphate Nitrate Fluoride Iron Mecoprop Toluene Xylene	No limit set					

**Table S3.3 Point source emissions to water (other than sewer) – emission limits and monitoring requirements**

<b>Emission point Ref. &amp; Location</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (incl unit)</b>	<b>Reference Period</b>	<b>Monitoring Frequency</b>	<b>Monitoring Standard or Method</b>
WP004SW (formerly S2)	Oil/Grease	Site drainage from the surface water management system in the area of the offices	No visible film	Instantaneous	Daily	
WP017SW	Oil/Grease	Site drainage from the surface water management system for old site	No visible film	Instantaneous	Daily	
WP SW Dis 1 (formerly S3) Black Ditch at Grid ref NGR ST31020 44095 sampled at head wall to Black Ditch	Oil/Grease	Surface water from Pond 1	No visible film	Instantaneous	Daily	
WP SW Dis 2 (formerly S5)  Black Ditch at NGR ST 3155 4375 sampled at discharge from lagoon	Oil/Grease	Surface water from Pond 2	No visible film	Instantaneous	Daily	
WP SW Dis1 and WP SW Dis 2	Combined maximum discharge rate	Surface water from Ponds 1 and 2	235 l/s	Instantaneous	Daily	
WP SW Dis 3	Oil/Grease	Site Drainage from Wood waste area	No visible film	Instantaneous	Daily	

**Table S3.4 Trigger levels for emissions into groundwater and monitoring requirements**

Monitoring point reference	Parameter	Limit (including unit)	Reference Period	Monitoring frequency	Monitoring standard or method
WPGWDis WP028WM <sup>1</sup> WP036WM <sup>1</sup> WP044WM <sup>1</sup> WP089WM <sup>1</sup>	Ammoniacal nitrogen	120 mg/l	Spot sample	Quarterly	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), <u>risk assessments for your environmental permit (www.gov.uk)</u> or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	Arsenic	67 µg/l		Annually	
	Toluene	10 µg/l			
	Mecoprop	20 µg/l			
WPGWDis WP036WM <sup>1</sup> WP044WM <sup>1</sup> WP089WM <sup>1</sup>	Nickel	40 µg/l	Spot sample	Annually	
		WP028WM <sup>1</sup>			
WP001WM WP015WM WP022WM <sup>1</sup> WP039WM <sup>1</sup> WP051WM <sup>1</sup>	Ammoniacal nitrogen	70 mg/l	Spot sample	Quarterly	
		WP045WM <sup>1</sup>			
WP001WM WP015WM WP022WM <sup>1</sup> WP039WM <sup>1</sup> WP045WM <sup>1</sup> WP051WM <sup>1</sup>	Nickel	40 µg/l	Spot sample	Annually	
	Arsenic	57 µg/l			
	Toluene	10 µg/l			
	Mecoprop	20 µg/l			

Note1: Monitoring point WPGWDis is the downgradient location for the site whilst the underdrainage system is actively pumped and these locations are only considered to be down gradient once pumping has ceased.

**Table S3.5 Landfill gas in external monitoring boreholes – limits and monitoring requirements**

Monitoring point Ref. /description	Parameter	Limit (incl. units)	Monitoring frequency	Monitoring standard or method
WP001WM, WP002WM, WP004WM, WP005WM, WP006WM, WP007WM, WP008WM, WP009WM, WP012WM, WP014WM, WP015WM, WP016WM, WP028WM, WP029WM, WP030WM, WP036WM, WP037WM, WP038WM, WP039WM, WP040WM, WP045WM, WP046WM, WP047WM, WP048WM, WP049WM, WP050WM, WP051WM, WP053WM, WP054WM, WP065WM, WP066WM, WP067WM, WP068WM, WP069WM, WP070WM, WP071WM, WP072WM, WP073WM, WP074WM, WP077WM, WP078WM, WP080WM, WP087GM, WP088GM	Methane	1.0 %v/v	Monthly	As per LFTGN03 (dated Sept 2004) or such other subsequent guidance as may be agreed in writing with the Environment Agency.  Record whether the ground is: <ul style="list-style-type: none"> <li>• waterlogged</li> <li>• frozen</li> <li>• snow covered</li> </ul>
WP052WM		2.4%v/v		
WP079WM		2.6%v/v		
WP060WM		3.5%v/v		
WP063WM		7.7%v/v		
WP003WM, WP019WM, WP044WM, WP057WM, WP058WM, WP059WM, WP061WM, WP062WM, WP064WM, WP075WM, WP076WM <sup>1</sup>	Carbon Dioxide Oxygen Atmospheric Pressure Differential Pressure	No Limit		
WP001WM, WP002WM, WP003WM, WP004WM, WP005WM, WP006WM, WP007WM, WP008WM, WP009WM, WP012WM, WP014WM, WP015WM, WP016WM, WP019WM, WP028WM, WP029WM, WP030WM, WP036WM, WP037WM, WP038WM, WP039WM, WP040WM, WP044WM, WP045WM, WP046WM, WP047WM, WP048WM, WP049WM, WP050WM, WP051WM, WP052WM, WP053WM, WP054WM, WP057WM, WP058WM, WP059WM, WP060WM, WP061WM, WP062WM, WP063WM, WP064WM, WP065WM, WP066WM, WP067WM, WP068WM, WP069WM, WP070WM, WP071WM, WP072WM, WP073WM, WP074WM, WP075WM, WP076WM, WP077WM, WP078WM, WP079WM, WP087GM, WP088GM				

Note 1: Action and compliance levels to be updated at least 3 months prior to the opening of each cell.



<b>Monitoring Point Ref. / Description</b>	<b>Parameter</b>	<b>Limit</b>	<b>Reference Period</b>	<b>Monitoring Frequency</b>	<b>Monitoring Standard or Method</b>
20m downwind of asbestos disposal cell	Asbestos Fibres	Where total fibre concentration exceeds 0.01 fibres/ ml in any sample, that sample must be submitted for electron microscopy to confirm the concentration of asbestos fibres present	2 hours	Twice per year or every 5000 tonnes asbestos deposited, whichever is greater.	While asbestos is being deposited. <ul style="list-style-type: none"> <li>• Pumped sampling</li> <li>• 1m above ground level</li> <li>• Flow rate = 4 litres / minute</li> <li>• Minimum sample volume = 480 litres</li> <li>• Filter pore size = 1.2µm</li> <li>• Asbestos fibre limit of detection = 0.001 fibres/ ml</li> </ul>
50m upwind of asbestos disposal cell	Asbestos Fibres		2 hours	During all downwind monitoring	
Site boundary downwind of asbestos disposal cell	Asbestos Fibres		2 hours	Minimum twice per year.	

<b>Monitoring Point Ref. / Description</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring Standard or method</b>
Permanently capped zone	Methane concentration	Every 12 months	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Temporarily capped zone	Methane concentration	Every 12 months	
Whole site	Total methane emission	As agreed with the Environment Agency	
Uncapped areas	Methane concentration	Every 12 months	As agreed with the Environment Agency based on the wording of revised LFTGN 07 or landfill sector guidance or such other subsequent guidance as may be agreed in writing with the Environment Agency.

**Table S3.8 Groundwater – other monitoring requirements**

Emission point reference or source description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method
<u>Alluvium</u> WP001WM, WP006WM, WP009WM, WP015WM, WP021WM, WP022WM, WP023WM, WP029WM, WP030WM, WP037WM, WP038WM, WP039WM, WP040WM, WP045WM, WP047WM, WP048WM, WP050WM, WP051WM, WP053WM, WP054WM	Water level	Quarterly	Unless otherwise agreed in writing with the Agency monitoring methods shall be in accordance with Agency guidance document 'Guidance on monitoring of landfill leachate, groundwater and surface water (LFTGN02)'
<u>Blue Lias</u> WP005WM, WP028WM, WP036WM, WP044WM, WP089WM, WP090WM, WP091WM	Monitoring point base	Annually	
<u>Alluvium</u>  WP001WM, WP015WM, WP022WM, WP039WM, WP045WM and WP051WM	Ammoniacal-N, Electrical Conductivity, Chloride, pH	Quarterly	
	Total Alkalinity, Magnesium, Potassium, Total Sulphates, Calcium, Sodium, Manganese, Chromium, Copper, Iron, Lead, Zinc, Nickel, Arsenic, Toluene, Mecoprop	Annually	
	Hazardous substances that have been detected in leachate	Every 2 years	
<u>Blue Lias</u> WP005WM, WP028WM, WP036WM, WP044WM, WP089WM, WP090WM, WP091WM, WPGWDis	Ammoniacal-N, Electrical Conductivity, Chloride, pH	Quarterly	
	Total Alkalinity, Magnesium, Potassium, Total Sulphates, Calcium, Sodium, Manganese, Chromium, Copper, Iron, Lead, Zinc, Nickel, Arsenic, Toluene, Mecoprop	Annually	
WPGWDis*	Hazardous substances that have been detected in leachate	Annually	
WP005WM, WP028WM, WP036WM, WP044WM, WP089WM		Every 2 years	
WP090WM, WP091WM		Annually for first six years of operation	

**Table S3.9 Landfill gas – other monitoring requirements**

Monitoring Point Ref. /Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Gas collection system at well control valve, manifolds and strategic points on the gas system	Methane Carbon Dioxide Oxygen Carbon Monoxide Atmospheric pressure Gas flow rate or suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Monthly or at such other frequency as may be agreed in writing with the Environment Agency	Calibrated handheld monitoring instrument	Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken. Where the concentration of carbon monoxide exceeds 100ppm then further investigation shall be undertaken Record the ambient air temperature and whether the ground is: <ul style="list-style-type: none"> <li>• waterlogged</li> <li>• frozen</li> <li>• snow covered</li> </ul>
Gas collection system at well control valve	Hydrogen sulphide	Six monthly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04 or other such subsequent guidance as may be agreed in writing with the Environment Agency or a method agreed with the Environment Agency.	Concentrations of hydrogen sulphide shall be assessed in accordance with the gas and odour management plans
Input to LFG Utilisation Compound	Trace gas	Annually	Trace gas analysis in accordance with LFTGN04 or such other subsequent guidance as may be agreed in writing with the Environment Agency [or a trace gas characterisation method agreed with the Environment Agency.	The concentration of trace gas components shall be assessed against the assumptions made in the Landfill gas risk assessment and dispersion modelling.
Input to LFG Utilisation Compound	Methane Carbon Dioxide Oxygen Gas flow rate Suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Weekly		Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken.

<b>Monitoring Point Ref. /Description</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
Landfill gas flare A4 located at NGR ST 31460 43245	Temperature	As per LFTGN05 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.	As per M2 or such other subsequent guidance as may be agreed in writing with the Environment Agency.	
Landfill gas engines A1, A2 and A3 located at grid references ST 31465 43240 ST 31460 43240 ST 31455 43240	NOx and CO	Quarterly	In accordance with Appendix C of LFTGN08, version 2: 2010 or such other subsequent guidance as may be agreed in writing with the Environment Agency.	Where monitoring using hand-held, electrochemical equipment indicates an exceedance of the emissions standards specified in Table S3.2, these shall be used as action levels and the operator shall investigate the cause and take appropriate measures to reduce emissions.

<b>Monitoring point reference or description</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
<b>Operational Cells or Phases</b> (Any cell or phases that do not have a final engineered cap agreed in accordance with condition 2.4)			At leachate compliance point as listed in table S3.1. As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), <u><a href="#">risk assessments for your environmental permit (www.gov.uk)</a></u> , or such other subsequent guidance as may be agreed in writing with the Environment Agency	None
MEPP	pH, EC, total alkalinity, ammoniacal nitrogen, Chloride, COD, BOD, cadmium, chromium, copper, lead, nickel, iron, arsenic, magnesium, potassium, total sulphates, calcium, sodium, zinc, manganese	Quarterly		
MEPP	Hazardous substances	Annually		None
MEPP	Depth to base (mAoD)	Annually		None

Table S3.10 Leachate – other monitoring requirements				
Monitoring point reference or description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
<b>Non Operational Cells or Phases</b> (Any cell or phases that have a final engineered cap agreed in accordance with condition 2.4)				
MEPP	pH, EC, total alkalinity, ammoniacal nitrogen, Chloride, COD, BOD, cadmium, chromium, copper, lead, nickel, iron, arsenic, magnesium, potassium, total sulphates, calcium, sodium, zinc, manganese	Annually		
MEPP	Hazardous substances	Once every four years		None
MEPP	Depth to base (mAoD)	Annually		

Table S3.11 Surface water – other monitoring requirements				
Monitoring Point Ref. /Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
MEPP	Ammoniacal nitrogen Chloride Suspended Solids Visual Oil and Grease pH Electrical conductivity	Monthly	Spot sample	As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), <u>risk assessments for your environmental permit (www.gov.uk)</u> or such other subsequent guidance as may be agreed in writing with the Environment Agency.

<b>Table S3.12 Process monitoring requirements</b>				
<b>Emission point reference or source or description of point of measurement</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
Biogas from digesting tank(s); Biogas storage tank(s)	Flow	Continuous	In accordance with EU Weights and Measures Regulations	None
Biogas from digesting tank(s); Biogas storage tank(s)	Methane Hydrogen sulphide	Continuous	None	Gas monitors calibrated every 6 months to manufacturer's requirements
Biogas from digesting tank(s); Biogas storage tank(s); waste reception building and external storage areas	Odour	Daily	Olfactory monitoring	Odour detection at the site boundary
Internal for each composting batch during sanitisation stage	Temperature	At least daily	Temperature probe	Monitoring equipment shall be available on site and used as required to maintain aerobic conditions and ensure compliance with this permit. Equipment shall be calibrated on a 4 monthly basis or as agreed in writing by the Environment Agency.
	Moisture	None specified	--	
Internal for each composting batch during stabilisation stage	Temperature	At least weekly	Temperature probe	
	Moisture	None specified	--	
Composting facility waste reception area; storage tank(s); maturation area	Odour	Daily	Olfactory monitoring	Odour detection at the perimeter of the composting operation area as identified in Schedule 7.
Settling pond	Integrity checks	Weekly	Visual assessment	--

## Schedule 4 – Reporting

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

<b>Table S4.1 Reporting requirements</b>		
<b>Parameter</b>	<b>Reporting period *</b>	<b>Period ends</b>
Leachate and/ or groundwater level As specified by schedule 3, table S3.1	Every 3 months	31 March, 30 June, 30 September, 31 December
Point source emission to air As specified by schedule 3, table S3.2	Every 12 months	31 December
Point source emission to water (other than sewer) As specified by schedule 3, table S3.3	Every 3 months	31 March, 30 June, 30 September, 31 December
Emission to groundwater As specified by schedule 3, table S3.4	Every 3 months	31 March, 30 June, 30 September, 31 December
Landfill gas in external monitoring boreholes As specified by schedule 3, table S3.5	Every 3 months	31 March, 30 June, 30 September, 31 December
Particulate matter in ambient air. As required by schedule 3, table S3.6	Every 6 months	30 June, 31 December
Emission of landfill gas from capped surfaces As specified by schedule 3, table S3.7	Every 12 months	31 December
Other groundwater monitoring As specified by schedule 3, table S3.8	Every 3 months	31 March, 30 June, 30 September, 31 December
Other Landfill gas monitoring As specified by schedule 3, table S3.9 • Trace gas monitoring	Every 3 months	31 March, 30 June, 30 September, 31 December
	Every 12 months	31 December
Other leachate monitoring As specified by schedule 3, table S3.10 • Hazardous substances	Every 12 months	31 December
	Every 12 months	31 December
Other surface water monitoring As specified by schedule 3, table S3.11	Every 12 months	31 December
Process monitoring As specified by schedule 3, table S3.12	Every 12 months	31 December

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

<b>Table S4.2: Annual production/treatment</b>	
Leachate: Disposed of off site; Disposed of to any onsite effluent treatment plant; Recirculated into the waste mass; Accepted from offsite for treatment at any onsite effluent treatment plant.	Cubic metres/year
Landfill gas: combustion in flares; combustion in gas engines; Other methods of gas utilisation. Average methane content entering the landfill gas utilisation or treatment compound (based on the annual average of Table S3.9 monitoring) Methane generation rate (50%ile from a representative model)	Normalised cubic metres/year  % methane v/v  m <sup>3</sup> /hr

<b>Table S4.3 Performance Parameters</b>			
<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 or natural gas

<b>Table S4.4 Reporting Forms</b>		
<b>Media/parameter</b>	<b>Reporting Format</b>	<b>Date of Form</b>
Leachate	Form leachate 1 or other reporting format to be agreed in writing with the Environment Agency	03/05/2019
Air	Form Air 1 or other reporting format to be agreed in writing with the Environment Agency	03/05/2019
Controlled water	Form Water 1 or other reporting format to be agreed in writing with the Environment Agency	03/05/2019
Groundwater	Form Groundwater 1 or other reporting format to be agreed in writing with the Environment Agency	03/05/2019
Sewer	Form Sewer 1 or other reporting format to be agreed in writing with the Environment Agency	03/05/2019
Landfill gas	Form LFG 1 or other reporting format to be agreed in writing with the Environment Agency	03/05/2019
Particulate matter	Form Particulate 1 or other reporting format to be agreed in writing with the Environment Agency	03/05/2019
Waste Return	E-waste Return Form	-
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	03/05/2019



## Schedule 5 – Notification

This page outlines the information that the operator must provide.

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

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

### Part A

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

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

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

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

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

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

## Part B to be supplied as soon as practicable

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

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

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

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

“annually” means once every year.

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

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

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

- For emissions to surface water, the surface water quality up-gradient of the site; or
- For emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge; or
- For emissions of landfill gas, the ground or air outside the site and not attributable to the site.

“cell layout drawing” means:

- (a) A drawing or drawings of the proposed new cell that illustrate(s) in sufficient detail:
  - (i) the location of the new cell on the site;
  - (ii) the proposed level (Above Ordnance Datum) of the base of the excavation;
  - (iii) the proposed finished levels of all containment and leachate drainage layers;
  - (iv) the positions of leachate management infrastructure; and
  - (v) the positions of landfill gas infrastructure (if appropriate).
- (b) A detailed written explanation of any minor design changes from the most recently approved cell that result from the new cell layout. This would include, for example:
  - (i) changes to slope length and gradient within the cell;
  - (ii) new leachate or landfill gas infrastructure construction design;
  - (iii) slope stability issues such as new basal excavation level; and/or
  - (iv) depth of waste.

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

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

- The results of all testing required by the CQA programme - this must include the records of any failed tests with a written explanation, details of the remedial action taken, referenced to the appropriate secondary testing;
- Plans showing the location of all tests;
- “As-built” plans and sections of the works;
- Copies of the site engineer’s daily records;

- Records of any problems or non-compliances and the solution applied;
- Any other site specific information considered relevant to proving the integrity of the New Cell or Landfill Infrastructure;
- Validation by a qualified person that all of the construction has been carried out in accordance with the Construction Proposals.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations 2016, SI 2016 No.1154 and words and expressions used in this permit which are also used in those Regulations have the same meanings as in those Regulations.

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

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

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

“hazardous substances” as defined by the Environmental Permitting (England and Wales) Regulations 2016, SI 2016 No.1154, schedule 22 and listed in our Hydrogeological risk assessment guidance.

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

“landfill Infrastructure” means any specified element of the:

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

within the site.

“LFTGN 05” means Environment Agency Guidance for monitoring enclosed landfill gas flares.

“LFTGN 07” means Environment Agency Guidance on monitoring landfill gas surface emissions.

“LFTGN 08” means Environment Agency Guidance for monitoring landfill gas engines.

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

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on

waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“M2” means Environment Agency Guidance Monitoring of stack emissions to air.

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

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

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

“new cell” means any new cell, part of a cell or other similar new area of the site where waste deposit is to commence after issue of this permit and can comprise:

- groundwater under-drainage system;
- permanent geophysical leak location system;
- leak detection layer;
- sub-grade;
- barriers;
- liners;
- leachate collection system;
- leachate abstraction system;
- separation bund/layer;
- cell or area surface water drainage system;
- side wall subgrade and containment systems;

for the New Cell.

“no impact” means that the change made to the construction process will not affect the agreed design criteria, specification or performance in a way that has a negative effect.

“pests” means Birds, Vermin and Insects.

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

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

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

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

“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.

‘sustainably extracted’ means where suction can be applied to the extraction wells such that a flow rate of landfill gas, with a methane content capable of either being combusted, or treated by bio-oxidation, can be extracted without increasing the risk of air ingress to the waste or inducing aerobic degradation within the waste.

‘waste code’ - See ‘List of Wastes’.

“WFD” means Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste [and repealing certain Directives] – the Waste Framework Directive.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means the standards included in Environment Agency Guidance for Monitoring Enclosed Landfill Gas Flares LFTGN 05 or Guidance for Monitoring Landfill Gas Engine Emissions LFTGN 08.

Where the following terms appear in the waste code list in Tables S2.1, S2.3, S2.4, S2.5, S2.6, S2.7 or S2.9 they have the meaning given below:

‘hazardous substance’ means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008;

‘heavy metal’ means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances;

‘polychlorinated biphenyls and polychlorinated terphenyls’ (‘PCBs’) means PCBs as defined in Article 2(a) of Council Directive 96/59/EC’.

Article 2(a) says that ‘PCBs’ means:

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0,005 % by weight;

‘transition metals’ means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances;

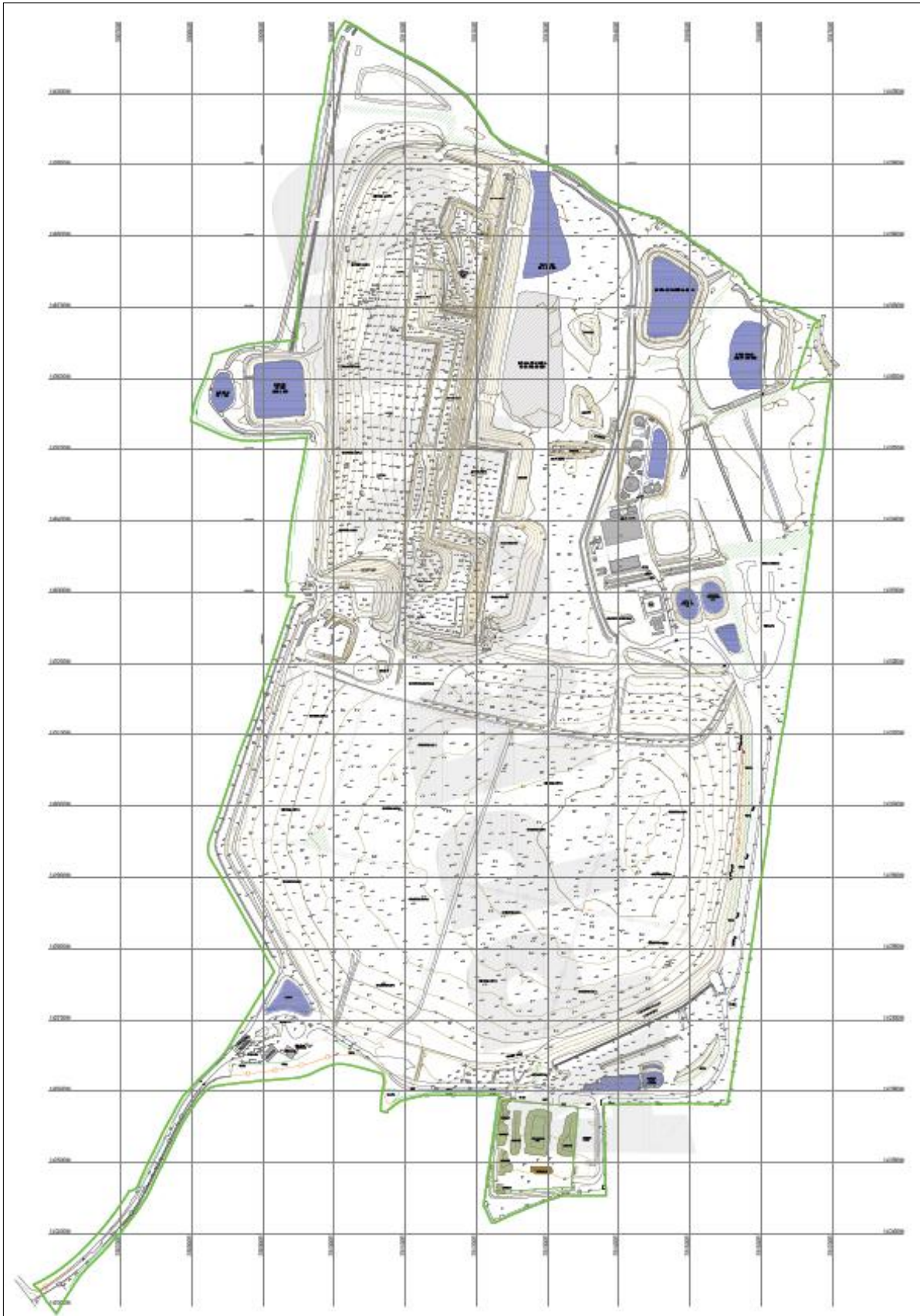
‘stabilisation’ means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste;

‘solidification’ means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste;

‘partly stabilised wastes’ means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term.

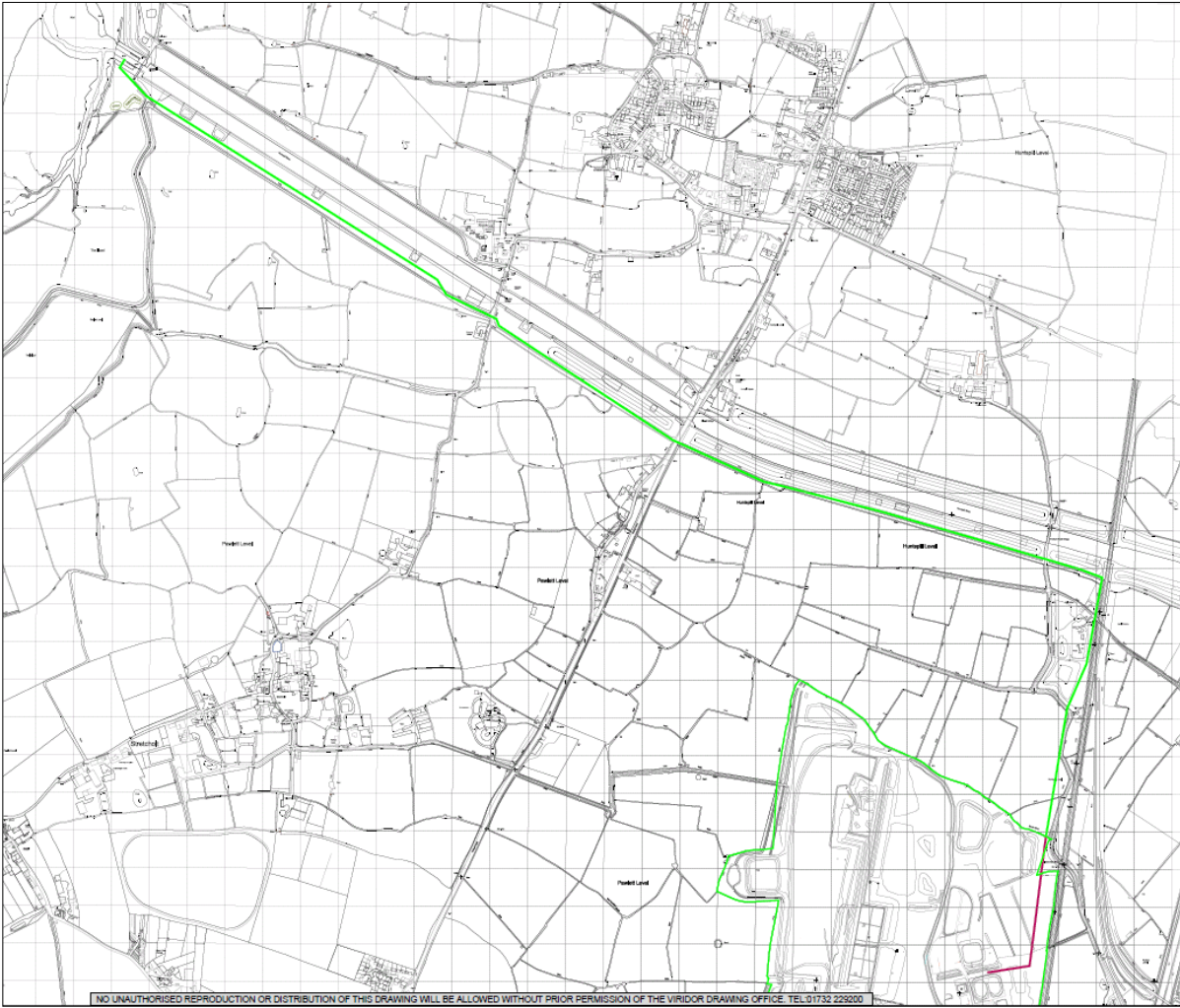
# Schedule 7 – Site plan

Walpole Recovery Facility and Landfill Site Installation boundary, not including the treated effluent pipeline.





**Walpole Recovery Facility and Landfill Site Installation boundary - detail of the treated effluent pipeline.**

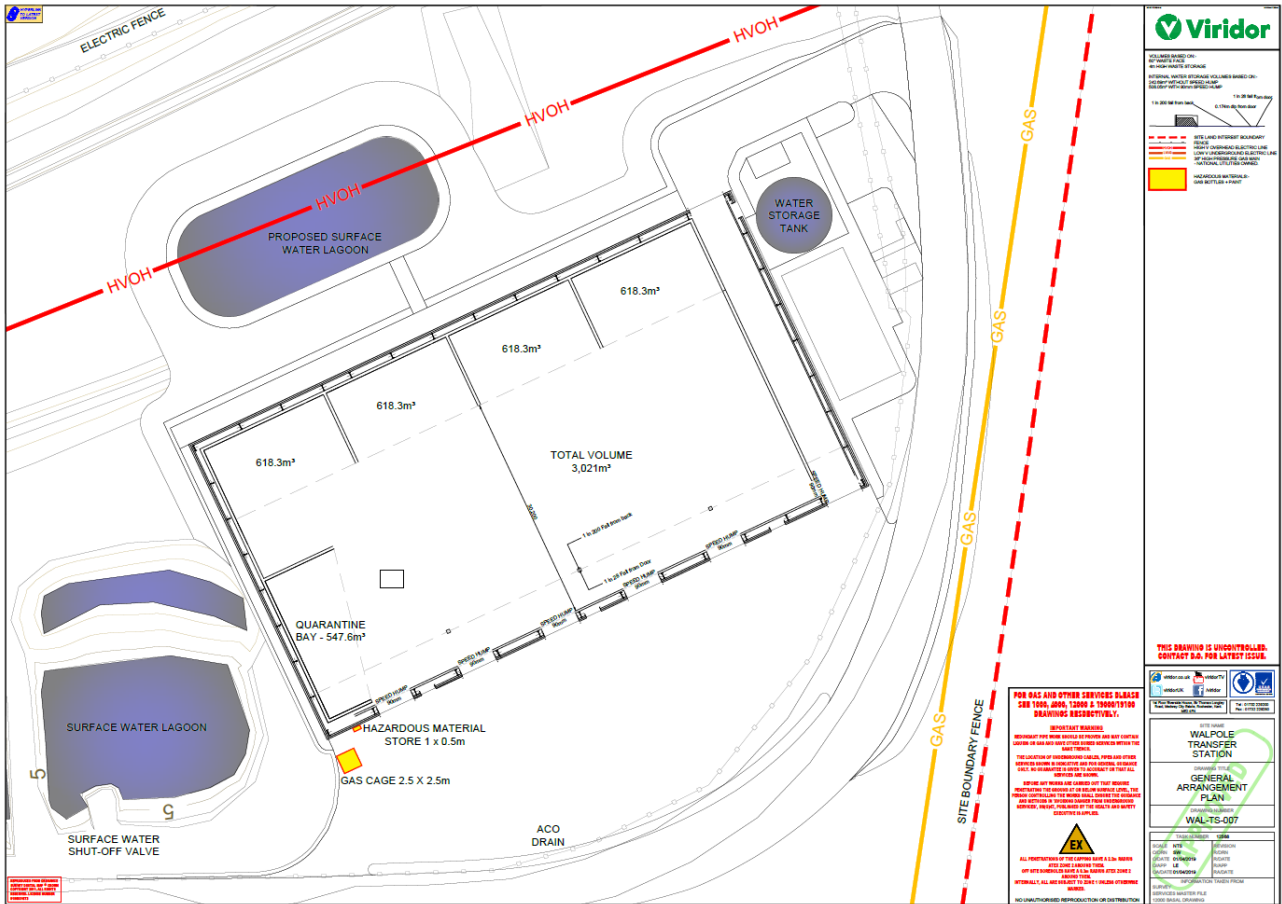


**Walpole Recovery Facility and Landfill Site Composting Operation Area**





# Walpole Recovery Facility and Landfill Site Waste Transfer Facility



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END OF PERMIT