

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Valencia Waste Exeter Limited

Yanley Landfill
Bridgwater Road
Bristol
BS13 8AF

Variation application number

EPR/BT7272IW/V013 & V014

Permit number

EPR/BT7272IW

Yanley Landfill

Permit number **EPR/BT7272IW**

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.

This variation authorises the treatment of leachate to remove the methane allowing safe disposal of the leachate to the sewer under the trade effluent consent. An activity (AR7) to allow the methane stripping plant with a capacity of 50 or more tonnes per day has been added to the permit. Also, the financial provision for the site has been updated.

There are no other changes and the site continues to be operated as follows:

The landfill is regarded as 'definitively closed' by the Environment Agency following the cessation of waste deposit in 2009 and formal closed in 2012. This landfill continues to be regulated under Section 5.2 A(1)(a) of the Environmental Permitting Regulations 2016.

Yanley Landfill is located off Bridgewater Road in the district of North Somerset at National Grid reference ST 55585 69790. The closest residential area is approximately 150 metres from the permitted boundary, to the west of the site, in the hamlet of Yanley. Long Ashton is located northwest with the closest residential properties located less than 500 metres from the site. The A4174 highway runs from the north to the east of the site.

There are three European protected sites (Avon Gorge Woodlands SAC, Severn Estuary Ramsar/SAC/SPA and the Chew Valley Lake SPA) located within 10 km of the site. Ashton Court SSSI is located 1.3 km north of the site. There are about fifteen non-statutory sites (local nature reserves, ancient woodland and local wildlife sites) located within 2 km of the site.

The operator undertook the replacement of an existing landfill gas engine (gas engine 1) with a new gas engine (VIR 209) which is regarded as a "new medium combustion plant (MCP)".

Landfill gas is extracted via a network of collection wells and pipework and gas is drawn under suction to the landfill gas engine. The landfill gas is used as a fuel in the generation of electricity, which is then exported to the National Grid.

The main emissions from the gas engine consist of combustion gases to air, of which nitrogen oxides, carbon monoxide, sulphur dioxide, volatile organic compounds (VOCs) are monitored.

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 BT7272	Received 07/11/2002	
Request for information	18/11/2002	Responses dated 28/11/2002 and 24/09/2003.

Status log of the permit		
Description	Date	Comments
Request for information	03/03/2003	Responses dated 18/03/2003 and 31/10/2003.
Submission of site wide groundwater risk assessment Report No 52293/R1	Received 28/07/2003	Replaces the groundwater assessment made in the application.
Submission of gas risk assessment Report No 52307/R1	Received 22/10/2003	
Letter from Viridor Waste Management	Letter dated 31/10/2003	Trade effluent consent.
Submission from Marcus Hodges Environment Limited	Received 17/11/2003	Response to EA comments on Yanley site wide risk assessment.
Letter from Viridor Waste Management	Letter dated 01/12/2003	Site Security
Letter from Viridor Waste Management	Letter dated 15/01/2004	Site Security Dust monitoring scheme
Submission of revised text and drawing	Received 11/02/2004	
Permit BT7272 determined	17/03/2004	EPR/BT7272IW/A001
Variation Application DP3136SR	Received 31/05/2005	Determined 14/07/05 - Application to accept asbestos wastes (EPR/BT7272IW/V002)
Variation AP3937LL	Issued 21/02/2008	Agency Template Variation. (EPR/BT7272IW/V003)
Variation Application EPR/BT7272IW/V004	Duly made 06/11/2012	Application to vary landfill permit into 'definitively closed' phase.
Variation Application EPR/BT7272IW/V004	Issued 04/02/2013	
Variation Application EPR/BT7272IW/V005	Issued 20/03/2013	Agency initiated variation to amend landfill gas monitoring requirements.
Agency variation determined EPR/BT7272IW/V006	28/05/2013	Agency variation to implement the changes introduced by IED.
Partial surrender application EPR/BT7272IW/S007	Duly made 13/11/2014	Partial surrender of land and the relocation of three monitoring boreholes and one surface water monitoring point.
Additional information received EPR/BT7272IW/S007	Received 14/01/2015	Updated site plan (Reference:YAN14000)
Additional information received EPR/BT7272IW/S007	Received 15/01/2015	Updated Environmental Monitoring Location Plan (Reference: YAN3000)

Status log of the permit		
Description	Date	Comments
Partial surrender EPR/BT7272IW/S007	Issued 22/01/2015	Issued with amended site plan to reflect installation boundary change
Environment Agency Landfill Sector Review Permit reviewed Variation determined EPR/BT7272IW/V008 Permit EPR/7272IW	Issued 08/11/2016	Varied and consolidated permit issued in modern condition format.
Application EPR/BT7272IW/V009 (variation and consolidation)	Duly made 09/10/2019	Application to replace an existing landfill gas engine with a new gas engine (MCP).
Variation determined EPR/BT7272IW/V009 (Billing ref: FP3109BG)	28/02/2020	Varied and consolidated permit issued in modern condition format.
Variation issued EPR/BT7272IW/V010	06/10/2020	Registered Office address changed to Viridor House, Priory Bridge Road, Taunton, TA1 1AP.
Application EPR/BT7272IW/V011 (variation)	Duly made 07/02/2022	Variation to change financial provision. Company name and registered office address changed in line with Companies House.
Variation determined EPR/ BT7272IW	27/02/2023	Notice of variation issued.
Application EPR/BT7272IW/V013 (variation)	Duly made 17/09/2021	Application to vary permit to treat the landfill leachate to remove methane to allow the safe discharge to the foul sewer.
Application EPR/BT7272IW/V014 (variation and consolidation)	Duly made 04/04/2024	Variation to change financial provision. Company name and registered office address changed in line with Companies House.
Variations V013 and V014 determined Permit EPR/BT7272IW	09/02/2026	Varied and consolidated permit issued in modern condition format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

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

Permit number

EPR/BT7272IW

Issued to

Valencia Waste Exeter Limited (“the operator”)

whose registered office is

Oil Depot

242 London Road

Stretton On Dunsmore

CV23 9JA

company registration number **01403771**

to operate a regulated facility at

Yanley Landfill

Bridgwater Road

Bristol

BS13 8AF

to the extent set out in the schedules.

The notice shall take effect from 09/02/2026.

Name	Date
Charlotte Wakefield	09/02/2026

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 is amended to include the update financial provision agreement.
- Condition 3.1.3 is amended to update the uncertainty allowance condition for the current medium combustion directive engine (AR3).
- Condition 3.1.6 is added to require additional monitoring as per all installations subject to the Industrial Emission Directive to ensure the protection of soil and groundwater (AR7).
- Table S1.1, as referenced by condition 2.1.1 is amended to add the additional activity - methane stripping (AR7).
- Table S1.2, as referenced by conditions 2.3.1 and 2.3.2 is amended to add the operational techniques for the methane stripping activity (AR7).
- Table S3.2, as referenced by conditions 3.1.2 and 3.5.1 is amended to include emission point and monitoring requirements.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BT7272IW

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BT7272IW/V013 & V014 authorising,

Valencia Waste Exeter Limited (“the operator”),

whose registered office is

**Oil Depot
242 London Road
Stretton On Dunsmore
CV23 9JA**

company registration number **01403771**

to operate an installation at

**Yanley Landfill
Bridgwater Road
Bristol
BS13 8AF**

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

Name	Date
Charlotte Wakefield	09/02/2026

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 and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Finance

- 1.2.1 The financial provision for meeting the obligations under this permit set out in the agreement made between the operator and the Environment Agency dated 27/02/23 and varied on 09/02/2026 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.

1.3 Energy efficiency

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

1.4 Efficient use of raw materials

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

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

- 1.5.1 The operator shall:

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

2 Operations

2.1 Permitted activities

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

2.2 The site

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

2.3 Operating techniques

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

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

2.4 Landfill Engineering

2.4.1 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.

2.4.2 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.

2.4.3 The operator shall submit a CQA Validation Report as soon as practicable following the construction of the relevant landfill infrastructure.

2.4.4 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.4.1 and 2.4.2 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.

2.4.5 For the purposes of condition 2.4.1, 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.

2.4.6 Where the Environment Agency has required further information under condition 2.4.5(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.

2.5 Waste acceptance

2.5.1 No waste shall be accepted for disposal within the installation.

2.5.2 Wastes shall only be accepted for restoration where:

- (a) they are listed in schedule 2, table S2.1; and
- (b) they are accepted in accordance with a restoration plan approved in writing by the Environment Agency.

2.5.3 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 2.5.2.

2.5.4 Where the operator has taken samples to establish that the waste is in conformity with the documentation submitted by the holder then the samples taken shall be retained for at least one month and results of any analysis for at least two years.

2.5.5 The operator on accepting each delivery of waste shall provide a receipt to the person delivering it.

2.5.6 The quantity of waste that is accepted at the facility for treatment or restoration in any year shall not exceed the limits in schedule 1 table S1.3.

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

2.6 Leachate levels

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

2.7 Closure and aftercare

2.7.1 The operator shall maintain a closure and aftercare management plan.

2.8 Landfill gas management

2.8.1 The operator shall take appropriate measures, including, but not limited to, those specified in any approved landfill gas management plan, to:

- (a) collect landfill gas; and
- (b) control the migration of landfill gas.

2.8.2 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.

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 AR3, the limits given in schedule 3, table S3.2 shall not be exceeded, save that compliance with the emission limits in that table shall include incorporation of the uncertainty allowance stated in guidance;
- (a) for engine VIR 209, monitoring stack emissions: maximum uncertainty for periodic monitoring,
 - (b) for all flares, LFTGN05.
- 3.1.4 The operator shall prevent the input of any hazardous substances from the activities into groundwater.
- 3.1.5 The operator shall submit to the Environment Agency a review of the Hydrogeological Risk Assessment:
- (a) between nine and six months prior to the 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.
- 3.1.6 For the following activities referenced in schedule 1, table S1.1 AR7, 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.

3.3 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 S3.9;
 - (b) Point source emissions specified in tables S3.2 and S3.3;
 - (c) Groundwater specified in tables S3.4 and S3.7;
 - (d) Landfill gas specified in tables S3.5, S3.6 and S3.8;
 - (e) Surface water specified in table S3.10.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 A topographical survey of the site referenced to ordnance datum shall be carried out and shall be used to produce a plan of a scale adequate to show the surveyed features of the site:
 - (a) annually, and
 - (b) prior to and after the recovery of waste for restoration; 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.

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 specification and as built drawings of the basal, sidewall and capping engineering systems.

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

4.2 Reporting

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

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

- (a) a review of the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the risk assessments submitted in relation to this installation and any agreed amendments thereto. The review will include written descriptions of the improvements made to operational performance during the year, action plans developed and planned improvements for the coming year;
- (b) the energy consumed at the site, reported in the format set out in schedule 4 table S4.3;
- (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) an assessment of the settlement behaviour of the landfill body based on the difference between the most recent topographical survey and previous annual topographical survey for the areas of the landfill which did not receive waste between the surveys;

- (f) a plan(s) ('the monitoring and extraction point plan – MEPP') showing the locations of leachate and landfill gas extraction and all monitoring points.

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

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) using the forms specified in schedule 4 table S4.4 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 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

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

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

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

Where the operator is a registered company:

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

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

- (a) any change in the operator's name or address; and

(b) any steps taken with a view to the dissolution of the operator.

In any other case:

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

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

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

4.4 Interpretation

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

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

Schedule 1 – Operations

Table S1.1 activities				
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of WFD Annex I and II operations (where applicable)	Description of specified activity	Limits of specified activity
AR1	Section 5.2 Part A(1) (a) The disposal of waste in a landfill.	D5 – Specially engineered landfill R5 – the recycling or reclamation of inorganic material R10 – Land treatment resulting in benefit to agriculture or ecology	Landfill for non-hazardous waste and landfill restoration	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.5, as an integral part of landfilling.
AR2	Section 5.2 Part A(1) (a) The disposal of waste in a landfill.	D5 – Specially engineered landfill	Landfill for hazardous waste	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.5, as an integral part of landfilling.
AR7	D9 – Physico-chemical treatment of waste	Section 5.4, Part A(1)(a)(ii) – Physico-chemical treatment of non-hazardous waste	Treatment of leachate in a facility with a capacity of >50 tonnes/ day	Treatment of leachate arising from the landfill to remove methane from the leachate to enable its disposal to sewer.
Directly Associated Activities				
AR3	--	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. 1 x medium combustion plant comprising a 1.6 MWth net rated input landfill gas engine (VIR 209).
AR4	--	N/A	Flaring of landfill gas for disposal in an appliance.	Landfill gas arising from the landfill.
AR5	--	D6 – release to water body except seas/ oceans	Discharges of site drainage from the landfill.	From surface water management system to point of entry to controlled waters.

Table S1.1 activities				
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of WFD Annex I and II operations (where applicable)	Description of specified activity	Limits of specified activity
AR6	--	N/A	Discharges of leachate from the installation	From leachate management system to point of entry to sewer.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The following sections of Report 51760/R1 dated January 2004: 2.1, 2.2, 2.3, 2.5, 2.6, 2.7, 2.8, 2.9, 2.11	11/02/2004
	Report 52307/R1 dated September 2003	00/09/2003
	The following sections of Report 51760/R3 dated January 2004: 1, 2, 3, 4, 5, 6, 7, 8	11/02/2004
	Details of site fencing submitted under cover of letters from Viridor Waste Management Limited dated: 01/12/2003 and 15/01/2004	19/01/2004
	Dust Monitoring Scheme submitted under cover of letter from Viridor Waste Management Limited dated 15/01/2004	19/01/2004
	Response to Question 1 of Schedule 4 Notice dated 03/03/2003	31/10/2003
	Response to request for information Request dated 18/11/2002	28/11/2002 & 24/09/2003
	Response to request for information Request dated 03/03/2003	18/03/2003 & 31/10/2003
	Submission of site wide groundwater risk assessment. Report No 52293/R1 - Replaces the groundwater assessment made in the application	28/07/2003
	Submission of gas risk assessment Report No 52307/R1	22/10/2003
	Letter from Viridor Waste Management Letter dated 31/10/03 - Trade effluent consent	31/10/2003
	Submission from Marcus Hodges Environment Limited - Response to EA comments on Yanley site wide risk assessment	17/11/2003
	Letter from Viridor Waste Management Letter dated 01/12/2003 - Site Security	01/12/2003
	Letter from Viridor Waste Management Letter dated 15/01/2004 - Site Security and Dust Monitoring Scheme	15/01/2004
Submission of revised text and drawings	11/02/2004	

Table S1.2 Operating techniques		
Description	Parts	Date Received
Variation Ref. DP3136SR	Construction in accordance with the details specified on Drawing Ref 52158/005C Rev C	31/05/2005
	Appendix D, Procedure for the operation of the asbestos cell	
	Appendix E, Asbestos waste monitoring procedure	
	Appendix F, Table 2.2.2 (Waste types and quantities)	
Improvement Program BT7272	Landfill Gas Engine Emissions Review Reference C231111-R1731	11/07/2007
	GRA - Perimeter Landfill Gas Control and Trigger Concentrations	00/09/2004
	Revised drawing number YAN3000/FEB07 'Environmental Monitoring Location Plan' Dated February 2007	11/07/2007
	HRA Review Report Number 402-0036-00322 Approved 06/12/2007	16/10/2007
Permit	Revised drawing number P-Yan-01 dated 31 July 2007, amendment to constructional details.	31/07/2007
	Gas Management Plan Version 3	29/08/2007
	Site Closure Plan	16/10/2007
	Hydrogeological Risk Assessment 4- yearly review addendum letter reference 2008/ENV/YN/KN_160108 dated 16/01/2008	16/01/2008
SPMP	Site Protection and Monitoring Plan	
Closure Variation Application EPR/BT7272IW/V004	All of part C2, C3 and supporting information in variation application.	09/10/2012
Variation Application EPR/BT7272IW/V013	Process Description & BAT Review ref. 4898-CAU-XX-XX-RP-V-0300.A0.C1	31/05/2023

Table S1.3 Annual waste input limits	
Category	Limit Tonnes/Year
Waste for restoration	5000

Schedule 2 – List of wastes

Table S2.1 Permitted waste types for restoration	
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 03	wastes from pulp, paper and cardboard production and processing
03 03 05	de-inking sludges from paper recycling
03 03 09	lime mud waste
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	Track ballast other than those mentioned in 17 05 07
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 05	wastes from aerobic treatment of solid wastes
19 05 03	off-specification compost
19 08	wastes from waste water treatment plants not otherwise specified
19 08 02	Washed sewage grit (waste from desanding) only
19 08 05	sludges from treatment of urban waste water
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 02	sludges from water clarification
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 09	minerals (for example sand, stones)
19 12 12	Soil substitutes other than that containing dangerous substance only
19 13	wastes from soil and groundwater remediation
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
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions

Table S2.1 Permitted waste types for restoration	
Waste code	Description
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

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
Non Operational Cells or Phases (Any cells or phases that have a final engineered cap agreed in accordance with the landfill engineering condition, 2.4)			
Leachate compliance and monitoring points YN/312, YN/313, YN/315, YN/317, YN/320, YN/327, YN/332, YN/349b, YN/350a, YN/356a, YN/370a on Plan YAN3000	5 m above cell base	Quarterly- spot reading	As specified in Environment Agency Guidance TGN02 (February 2003) or such other subsequent guidance as may be agreed in writing with the Environment Agency, or as otherwise agreed with the Environment Agency as part of a leachate monitoring plan.
YNS505LM, YNS506LM on Plan YAN3000	2 m above cell base		
YN/345a, YN/358a, YN/387a, YN/383a, YN/389a, YN/391 on Plan YAN3000	5 m above cell base	Quarterly- average	
YNS503LM, YNS504LM on Plan YAN3000	2 m above cell base		

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
Gas engine VIR 209 as shown on plan YAN PP 067	Oxides of Nitrogen	Gas utilisation plant [Note 1]	500 mg/m ³	Hourly mean	Annually	As per Monitoring stack emissions: environmental permits or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	CO		1400 mg/m ³			
	Total VOCs		1000 mg/m ³			
	SO ₂		107 mg/m ³			
Landfill gas flare 1	Oxides of Nitrogen	Landfill Gas Flare	150 mg/m ³	Hourly mean	Annually	As per Monitoring stack emissions: environmental permits or such other
	CO		50 mg/m ³			

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
As shown on plan YAN PP001	Total VOCs		10 mg/m ³			subsequent guidance as may be agreed in writing with the Environment Agency. Monitoring is unnecessary where the flare is active for <10% of the year.
Methane stripping plant	Methane	To be agreed in writing with the Environment Agency.	No limit	Spot Sample	To be agreed in writing with the Environment Agency.	To be agreed in writing with the Environment Agency.

Note 1 – These emission limits are based on normal operating conditions and load – temperature 0°C (273K); pressure: 101.3 kPa and oxygen: 5 per cent (dry gas).

Table S3.3 Point source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point Ref. & Location	Parameter	Source	Limit (including unit)	Reference Period	Monitoring Frequency	Monitoring Standard or Method
YNS421 YNS422 YN/404 as shown on plan YAN3000	Suspended Solids	Surface water	100 mg/l	Spot Sample	Monthly	Unless otherwise agreed in writing with the Environment Agency. Monitoring methods used shall be in accordance with Environment Agency guidance document 'Guidance on monitoring of landfill, leachate, groundwater and surface water' (LFTGN02)

Table S3.4 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	Parameter	Limit (including unit)	Reference Period	Monitoring frequency	Monitoring standard or method
YN/605	Ammoniacal Nitrogen	2.0 mg/l	Spot Sample	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency
YN/608a	Chloride	250 mg/l		Annually	
YN/634 as shown on YAN3000	Mecoprop	0.1 µg/l			
	Toluene	4.0 µg/l			
	m.p- xylene	3.0 µg/l			
	Mercury	0.4 µg/l			

Table S3.5 Landfill gas in external monitoring boreholes – limits and monitoring requirements				
Monitoring point Ref. /description	Parameter	Limit (including units)	Monitoring frequency	Monitoring standard or method
YN/601a, YN/602, YN/603, YN/604, YN/605, YN/606, YN/607a, YN/608a, YN/610, YN/611, YN/612, YN/613, YN/614, YN/616, YN/617, YN/619a, YN/626, YN/627, YN/628, YN/629, YN/630, YN/631, YN/632, YN/633 as shown on YAN3000	Methane	1 %v/v	Monthly	As per LFTGN03 (September 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"> • waterlogged • frozen • snow covered
	Carbon dioxide	no limit		
	Oxygen	no limit		
	Atmospheric pressure	no limit		
	Differential Pressure	no limit		

Table S3.6 Landfill gas emissions from capped surfaces for cells that have accepted non- hazardous biodegradable waste – monitoring requirements			
Monitoring point Ref. /description	Parameter	Monitoring frequency	Monitoring Standard or method
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	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Whole site	Total methane emission	As agreed with the Environment Agency	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing 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 S3.7 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	Parameter	Monitoring frequency	Monitoring standard or method
Up gradient MEPP	Water level, electrical conductivity, chloride, ammoniacal nitrogen, pH,	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	total alkalinity, magnesium, potassium, total sulphates, calcium, sodium, chromium, copper, iron, lead, nickel, zinc, manganese	Annually	
	Hazardous substances	Annually for first six years of operation	

Table S3.7 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	Parameter	Monitoring frequency	Monitoring standard or method
Down or cross gradient MEPP	Water level, electrical conductivity, chloride, ammoniacal nitrogen, pH,	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency. After the initial 6 year monitoring period for hazardous substances, if the results of quarterly or annual monitoring suggest an increase in contamination, the operator shall also undertake a full leachate hazardous substances screen.
	total alkalinity, magnesium, potassium, total sulphates, calcium, sodium, chromium, copper, iron, lead, nickel, zinc, manganese	Annually	
	Hazardous substances detected in leachate	Annually for first six years of operation then every two years	
MEPP	Base of monitoring point (mAoD)	Annually	

Table S3.8 Landfill gas – other monitoring requirements				
Monitoring Point Ref./Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
In waste gas monitoring boreholes or sealed leachate wells or sacrificial gas extraction system [in cells for non-hazardous waste]	Methane Carbon dioxide Oxygen Carbon monoxide Differential pressure Atmospheric pressure	Monthly until gas extraction commences	Calibrated handheld monitoring instrument	For cells or phases which have no active gas extraction. Gas extraction system shall be installed and extraction commenced once monitoring shows onset of methane production in waste at a rate that can be sustainably extracted. Once gas extraction has commenced in a particular cell or phase, there is no longer a requirement to carry out this monitoring.

Table S3.8 Landfill gas – other monitoring requirements

Monitoring Point Ref. /Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
	Hydrogen sulphide	Quarterly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04 (V3, March 2010) or other such subsequent guidance as may be agreed in writing with the Environment Agency or a method agreed with the Environment Agency.	<p>For cells or phases which have no active gas extraction.</p> <p>Once gas extraction has commenced in a particular cell or phase, there is no longer a requirement to carry out this monitoring.</p> <p>Concentrations of hydrogen sulphide shall be assessed in accordance with the gas and odour management plans.</p>
Gas collection system at well control valve, manifolds (if applicable) and strategic points on 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	<p>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.</p> <p>Where the concentration of carbon monoxide exceeds 100 ppm, then further investigation shall be undertaken.</p> <p>Record the ambient air temperature and whether the ground is:</p> <ul style="list-style-type: none"> waterlogged frozen snow covered

Table S3.8 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	Hydrogen sulphide	Six monthly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04 (V3, March 2010) 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.
Output to flare or LFG Utilisation Compound	Trace gas	Annually	Trace gas analysis in accordance with LFTGN04 (V3, March 2010) 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.
Output to flare or 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.

Table S3.8 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Gas engine VIR 209, post turbo	NOx and CO	Quarterly	In accordance with Appendix C of LFTGN08, (V2, 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.

Table S3.9 Leachate – other monitoring requirements				
Monitoring point reference or description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Non Operational Cells or Phases (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 S3.10 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 TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), risk assessments for your environmental permit (www.gov.uk) or such other subsequent guidance as may be agreed in writing with the Environment Agency.

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data		
Parameter	Reporting period	Period ends
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
Emission of landfill gas from capped surfaces As specified by schedule 3, table S3.6	Every 12 months	31 December
Other groundwater monitoring As specified by schedule 3, table S3.7	Every 3 months	31 March, 30 June, 30 September, 31 December
Other Landfill gas monitoring As specified by schedule 3, table S3.8	Every 3 months	31 March, 30 June, 30 September, 31 December
Trace gas monitoring	Every 12 months	31 December
Other leachate monitoring As specified by schedule 3, table S3.9	Every 12 months	31 December
Other surface water monitoring As specified by schedule 3, table S3.10	Every 12 months	31 December
Meteorological data Landfill Directive, annex III, section 2	Every 12 months	31 December

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

Table S4.2 Annual production/treatment	
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

Table S4.2 Annual production/treatment	
Landfill gas: 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 S3.8 monitoring) Methane generation rate (50%ile from a representative model)	Normalised cubic metres/year % methane v/v m3 /hr

Table S4.3 Performance Parameters			
Parameter	Frequency of assessment	Annual total	Unit
Energy used (including for leachate treatment)	Annually		MWh of electricity or natural gas

Table S4.4 Reporting Forms		
Media/parameter	Reporting Format	Date of Form
Leachate	Form leachate 1 or other reporting format to be agreed in writing with the Environment Agency	02/11/2016
Air	Form Air 1 or other reporting format to be agreed in writing with the Environment Agency	02/11/2016
Controlled water	Form Water 1 or other reporting format to be agreed in writing with the Environment Agency	02/11/2016
Groundwater	Form Groundwater 1 or other reporting format to be agreed in writing with the Environment Agency	02/11/2016
Landfill gas	Form LFG 1 or other reporting format to be agreed in writing with the Environment Agency	02/11/2016
Waste Return	Waste Return Form RATS2E	02/11/2016
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	02/11/2016

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	

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

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

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	
Time periods for notification following detection of a breach of a limit	
Parameter	Notification period
Leachate heads	5 days

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

Part B to be supplied as soon as practicable

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

Name*	
Post	
Signature	
Date	

* 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.

(a) “Cell layout drawing” means: 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 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.

“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.

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

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

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

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

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

‘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.

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

“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.

“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.

“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.

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

“medium combustion plant” or “MCP” means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW.

“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.

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

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

“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’ means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

‘Waste code’ means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk “Landfill Infrastructure” means any specified element of the:

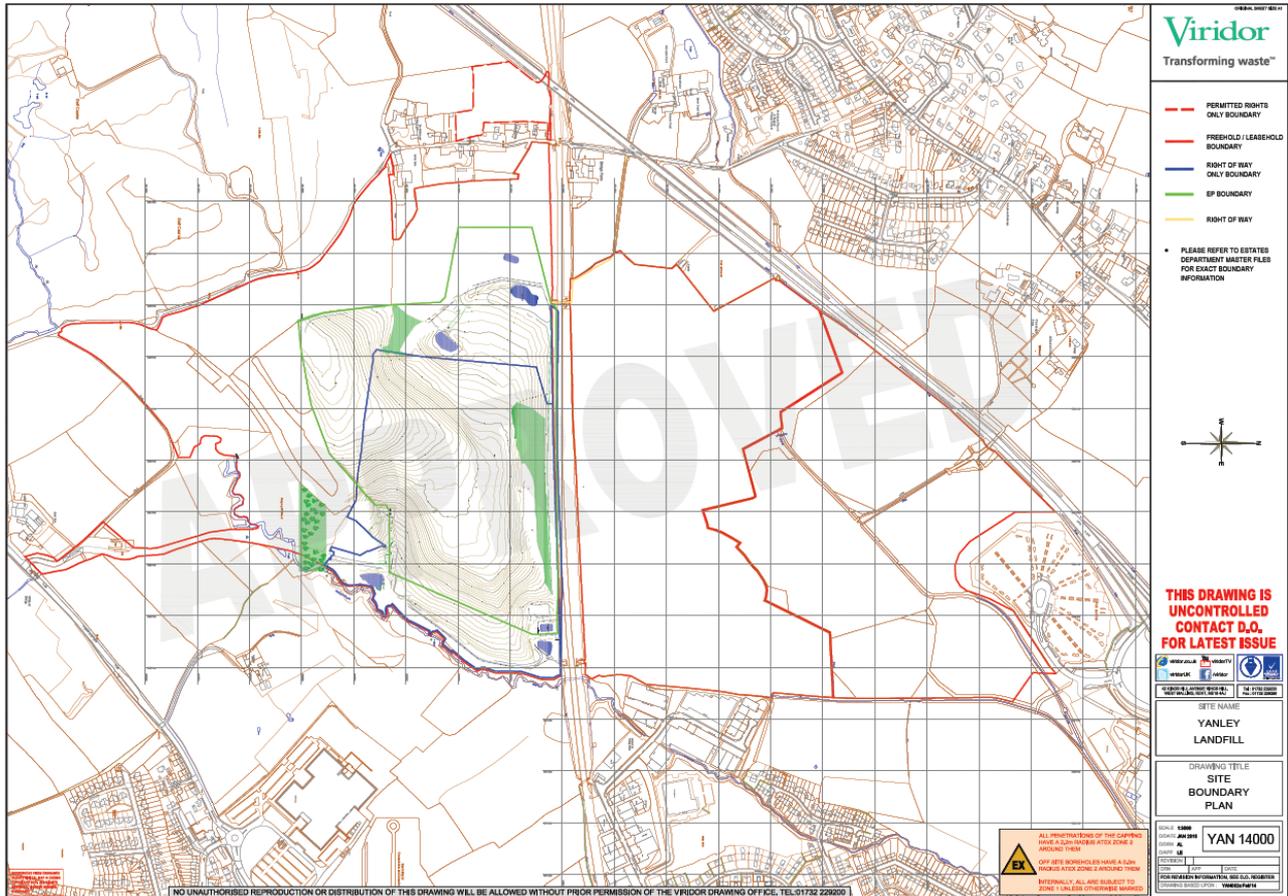
- permanent capping;
- temporary capping (i.e. engineered temporary caps not cover materials);
- leachate abstraction systems;
- leachate transfer, treatment and storage systems;
- surface water drainage systems;
- leachate monitoring wells;

- groundwater monitoring boreholes;
- landfill gas monitoring boreholes;
- landfill gas management systems;
- lining within the installation.

within the site.

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.

Schedule 7 – Site plan



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END OF PERMIT