

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

T J Environmental Limited
Stock Farm Stone Quarry
Hyde Lane
Off Tillford Lane
Hindhead
Surrey
GU10 2LP

Variation application number

EPR/FB3403MK/V006

Permit number

EPR/FB3403MK

Stock Farm Stone Quarry

Permit number **EPR/FB3403MK**

Introductory note

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

This site is going into the aftercare period and therefore is definitely closed. The following Notice varies the environmental permit referred to in the status log below and replaces that permit with a consolidated environmental permit.

We have issued this variation to:

- consolidate a number of permits or activities issued under previous regulatory regimes into a single environmental permit;
- consolidate any modification or variation notices into the permit;
- update some of the permit requirements following agreement of the closure report;
- minimise the impact of the site on the environment;
- improve monitoring; and
- update the permit into modern conditions and format.

Stock Farm Stone Quarry is an inert landfill located at National Grid Reference SU 87647 38185. The site is situated approximately 1.2 km to the north of Beacon Hill and 5 km to the north-west of Haslemere, Surrey. There is a Site of Special Scientific Interest, Stockstone Quarry, located within the site boundary. The nearest residential property is located ~90 m to the north-western boundary of the site.

The site has stopped accepting waste since September 2018 and it was fully restored in June 2019 in accordance with the approved site restoration plan.

The schedules specify the changes made to the permit.

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

Status log of permit: EPR/FB3403MK		
Description	Date	Comments
Original licence (SCC/3638/93)	25/07/1986	Licence issued to T J Landfill Ltd.
Application GP3432PW	May 2004	-
Response to request for information (hydrogeological)	Request dated 08/02/2005	Response dated 09/03/2005.
Response to request for more information (stability)	Request dated 18/01/2005	Response dated 17/02/2005.
Permit determined	28/04/2005	-
Permit Varied (Agency Variation YP3937LL)	28/03/2007	-
Application EPR/FB3403MK/V002 (normal variation)	Duly made 03/10/2017	Application to change the date of the financial provision legal agreement.
Variation determined EPR/FB3403MK/V002	09/11/2017	Varied permit issued.
Application EPR/FB3403MK/V003 (admin variation)	21/12/2017	Application returned as variation was outside scope of variation type.

Status log of permit: EPR/FB3403MK		
Description	Date	Comments
Application EPR/FB3403MK/V004 (variation)	Duly made 16/02/2018	Application to vary restoration plan and change the date of the financial provision.
Variation determined EPR/FB3403MK	05/12/2018	Varied permit issued.
Notified of change of Company Registered office and Site Name	15/07/2019	Registered office and Site Name changed to Charity Farm, 127 Wickham Road, Fareham, Hampshire, PO17 5BP and Stock Farm Stone Quarry.
Variation determined EPR/FB3403MK	06/08/2019	Varied permit issued to T J Environmental Limited.
Application EPR/FB3403MK/V006 (variation and consolidation with EPR/FB3403MK)	Duly made 24/10/2023	Application to definitively close the site, and to vary as well as update the permit to modern conditions.
Additional information received	06/12/2023	Response to request for further information containing clarification and additional information about the proposed manganese monitoring requirements for groundwater.
Additional information received	23/01/2024	Response to request for further information containing revised 'Stock Farm Quarry Landfill Closure Plan'.
Additional information received	11/03/2024 & 12/03/2024	Response to request for further information about newly proposed Technically Competent Manager.
Variation determined EPR/FB3403MK	12/04/2024	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 2016 varies and consolidates

Permit number

EPR/FB3403MK

Issued to

T J Environmental Limited (“the operator”)

whose registered office is

**Charity Farm
127 Wickham Road
Fareham, Hants
United Kingdom
PO17 5BP**

company registration number 03884363

to operate a regulated facility at

**Stock Farm Stone Quarry
Hyde Lane
Off Tillford Lane
Hindhead
Surrey
GU10 2LP**

to the extent set out in the schedules.

The notice shall take effect from 12/04/2024.

Name	Date
Louise Hann	12/04/2024

Authorised on behalf of the Environment Agency

Schedule 1

Note: The condition numbers used in this schedule refer to those in the consolidated permit.

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/FB3403MK

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FB3403MK/V006 authorising,

T J Environmental Limited ("the operator"),

whose registered office is

**Charity Farm
127 Wickham Road
Fareham, Hants
United Kingdom
PO17 5BP**

company registration number 03884363

to operate waste operations at

**Stock Farm Stone Quarry
Hyde Lane
Off Tillford Lane
Hindhead
Surrey
GU10 2LP**

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

Name	Date
Louise Hann	12/04/2024

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) regularly review the written management system and keep it up to date, and
 - (c) use 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 the permit.
- 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 09/11/2017 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 Avoidance, recovery and disposal of wastes produced by the activities

- 1.3.1 The operator shall 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.

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 The activities shall be operated using techniques adequate to minimise emissions from the waste listed in schedule 2, table S2.1, including but not limited to those listed in table S1.2.
- 2.3.3 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 for approval relevant construction proposals or a written request to use previous construction proposals and the Environment Agency has approved the construction proposals.
- 2.4.2 The construction of 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 for approval 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.
- 2.4.4 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 conditions 2.4.1 and 2.4.4, 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 facility.

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 The operator shall submit to the Environment Agency a review of the Hydrogeological Risk Assessment between nine and six months prior to every six year anniversary of the granting of the permit.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including but not limited to those specified in table S1.2, have been taken to minimise those emissions.
- 3.2.2 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Monitoring

- 3.3.1 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) Groundwater specified in tables S3.1 and S3.3;
 - (b) Landfill gas specified in tables S3.2 and S3.2A; and
 - (c) Leachate specified in table S3.4.
- 3.3.2 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.
- 3.3.3 The operator shall undertake a topographical survey of the site at a frequency agreed in writing with the Environment Agency. Any topographical survey of the site shall be referenced to ordnance datum and be used to produce a plan of a scale adequate to show the surveyed features of the site.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) the results of groundwater monitoring;
 - (ii) the results of leachate monitoring;
 - (iii) landfill gas monitoring; and
 - (iv) waste types and quantities.
- 4.1.2 The operator shall maintain convenient access, in either electronic or hard copy, to the records, plans, operating techniques and written management system required to be maintained by this permit.

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 The operator shall send a report or reports on the performance of the landfill activities to the Environment Agency every 3 years. The report shall be submitted on every third anniversary of the granting of this permit or such other date as may be agreed in writing by the Agency. 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 site and any agreed amendments thereto. The review will include written descriptions of the improvements made to operational performance during 3 year period, action plans developed and planned improvements for the coming 3 years;
 - (b) the topographical surveys required by condition 3.3.3 other than those submitted as part of a CQA validation report;
 - (c) 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; and
 - (d) a plan(s) ('the monitoring point plan – MPP') showing the locations of existing and any new 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 S4.2 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 The operator shall annually submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the waste accepted and removed from the site and confirming compliance or not with a relevant competency scheme.

4.3 Notifications

- 4.3.1 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 within 5 days—
 - (i) inform the Environment Agency; and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time.
- 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 must be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	WFD Annex I and II operations (where applicable)	Description of specified activity	Limits of specified activity
AR1	D1 – deposit into or on land	Closed landfill that accepted inert waste	No waste shall be accepted for disposal.

Table S1.2 Operating techniques		
Description	Parts	Date received
Application	The response to questions 2.1, 2.2, 2.3, 2.4 and 2.5 in part B of the Application Form.	05/2004
Letter from SLR Consulting Ltd. Dated 17/02/2005 in response to the Environment Agency letter dated 18/01/2005	All answers given.	17/02/2005
Letter from SLR Consulting Ltd. dates 09/03/2005 in response to the Environment Agency letters dated 09/02/2005	All answers given.	08/03/2005
Letter from Operator dated 01/02/2006 in response to Environment Agency letter sent 14/12/2005	All answers given.	01/02/2006
Response from Operator dated 28/10/2005	-	28/10/2005
Response from Operator dated 27/07/2005	-	27/07/2005
Response from Operator dated 28/10/2006 and letter from Environment Agency dated 22/12/2005	-	-
Application from associated with EA/FB3403MK/V004	Approved restoration contours, Drawing 003, December 2015, Rev3.	21/12/2017
Response from request for additional information as part of application EPR/FB3403MK/V004	Risk assessment for treatment of waste material for the purpose of restoration, reference, Environmental Risk Assessment, August 2018.	09/08/2018
Response to Request for Further Information dated 28/11/2023	Clarification of the proposed manganese monitoring requirements for groundwater in the 'Stock Farm Quarry Landfill Closure Plan' SLR ref. 416.00492.00042 version 1 dated June 2022.	06/12/2023
Response to Request for Further Information dated 22/01/2024	'Stock Farm Quarry Landfill Closure Plan' SLR ref. 416.00492.00042 version 1 dated June 2022.	23/01/2024

Table S1.3 Total waste input limit	
Category	Total Tonnage
N/A	No waste input is allowed.

Schedule 2 – List of wastes

Table S2.1 Waste types previously permitted for disposal	
Waste code	Description
10	WASTES FROM THERMAL PROCESSES
10 11	Wastes from manufacture of glass and glass products
10 11 03	Waste glass-based fibrous materials ^(a)
15	WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	Packaging (including separately collected municipal packaging waste)
15 01 07	Glass packaging
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	Concrete, bricks, tiles and ceramics
17 01 01	Concrete ^(b)
17 01 02	Bricks ^(b)
17 01 03	Tiles and ceramics ^(b)
17 01 07	Mixtures of concrete, bricks, tiles and ceramics ^(b)
17 02	Wood, glass and plastic
17 02 02	Glass
17 05	Soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	Soil and stones ^(c)
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 12	Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 05	Glass
20 01	Separately collected fractions (except 15 01)
20 01 02	Glass ^(d)
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	Garden and park wastes (including cemetery waste)
20 02 02	Soil and stones ^(e)
Notes: (a) Only without organic binders. (b) Selected construction and demolition waste (C & D waste): with low contents of other types of materials (like metals, plastic, organics, wood, rubber, etc). The origin of the waste must be known. No C & D waste from constructions, polluted with inorganic or organic dangerous substances, e.g. because of production processes in the construction, soil pollution, storage and usage of pesticides or other dangerous substances, etc., unless it is made clear that the demolished construction was not significantly polluted.	

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

(c) Excluding topsoil, peat; excluding soil and stones from contaminated sites.

(d) Separately collected glass only.

(e) Only from garden and parks waste; excluding topsoil, peat.

Table S2.2 Previously permitted waste types for restoration	
Waste code	Description
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
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	Garden and park wastes (including cemetery waste)
20 02 02	Soil and stones

Schedule 3 – Emissions and monitoring

Table S3.1 Groundwater – emission limits and monitoring requirements					
Compliance point reference	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
RGW1 and GW3 as detailed on DWG No. 2 – 'Monitoring Location Plan' dated July 2021.	Ammoniacal Nitrogen	0.68 mg/l	Spot Sample	Quarterly	As specified in Environment Agency Guidance LFTGN02 '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.
	Sulphate	250 mg/l			
	Iron	0.33 mg/l			
	Phenol	0.0005 mg/l			
	Toluene	0.004 mg/l			
	Mercury	0.012 mg/l			

Table S3.2 Landfill gas: in-waste monitoring – Action level and monitoring requirements				
Monitoring point Ref. /description	Parameter	Action level (including units)	Monitoring frequency	Monitoring standard, specifications and other actions
In-waste gas monitoring wells in Areas 1A, 1B, 2 and 3 as detailed on DWG No. 2 – 'Monitoring Location Plan' dated July 2021.	Methane	no limit	Quarterly	As per Environment Agency Guidance LFTGN03 'Management of Landfill Gas' (September 2004) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Record whether the ground is: • waterlogged • frozen • snow covered
	Carbon Dioxide	no limit		
	Oxygen	no limit		
	Atmospheric Pressure	no limit		
	Gas Flow / Differential Pressure	no limit		

Table S3.2A Landfill gas in external monitoring boreholes – limits and monitoring requirements				
Monitoring point reference or description	Parameter	Limit (including units)	Monitoring frequency	Monitoring standard, specifications and other actions
Perimeter groundwater / gas combined monitoring wells as detailed on DWG No. 2 – 'Monitoring Location Plan' dated July 2021.	Methane	no limit	Quarterly	As per Environment Agency Guidance LFTGN03 'Management of Landfill Gas' (September 2004) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Record whether the ground is: • waterlogged • frozen • snow covered
	Carbon Dioxide	no limit		
	Oxygen	no limit		
	Atmospheric Pressure	no limit		
	Gas Flow / Differential Pressure	no limit		

Table S3.3 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	Parameter	Monitoring frequency	Monitoring standard or method
Up gradient borehole GW2A, and down gradient boreholes RGW1 and GW3 as detailed on DWG No. 2 – ‘Monitoring Location Plan’ dated July 2021.	Water Level, Electrical Conductivity, Chloride, Ammoniacal Nitrogen, pH, Sulphate, Iron, Mercury, Phenol and Toluene	Quarterly	As specified in Environment Agency Guidance LFTGN02 ‘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.
	Dissolved Oxygen, Chemical Oxygen Demand, Alkalinity, Magnesium, Potassium, Zinc, Calcium, Manganese and Naphthalene	Annually	
	Base of monitoring point (mAOD)	Annually	
Up gradient borehole GW2A, and down gradient borehole GW3 as detailed on DWG No. 2 – ‘Monitoring Location Plan’ dated July 2021.	List 1 hazardous substances suite found in leachate	Every two years	

Table S3.4 Leachate – other monitoring requirements			
Monitoring Point Ref./Description	Parameter	Monitoring frequency	Monitoring standard or method
RLW1 and LW2 as detailed on DWG No. 2 – ‘Monitoring Location Plan’ dated July 2021.	Leachate Level	Quarterly	As specified in Environment Agency Guidance LFTGN02 ‘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.
	Electrical Conductivity, Chloride, Ammoniacal Nitrogen, pH, Sulphate, Iron, Mercury, Phenol, Toluene, Dissolved Oxygen, Chemical Oxygen Demand, Alkalinity, Magnesium, Potassium, Zinc, Calcium, Manganese, Naphthalene, Sodium and Nickel	Annually	
	Base of monitoring point (mAOD)	Annually	
	List 1 hazardous substances suite	Every two years	

Schedule 4 – Reporting

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

Reports shall cover the periods ending:

Annual: 31 December
 6-monthly: 30 June, 31 December
 Quarterly: 31 March, 30 June, 30 September, 31 December

Table S4.1 Reporting of data	
Parameter	Reporting period
Emission to groundwater As specified by schedule 3, table S3.1	Quarterly
Landfill gas in monitoring boreholes As specified by schedule 3, table S3.2 & S3.2A	Quarterly
Other groundwater monitoring As specified by schedule 3, table S3.3	Quarterly
Other leachate monitoring As specified by schedule 3, table S3.4	Quarterly
Meteorological data Landfill Directive, annex III, section 2	Annual

Table S4.2 Reporting forms		
Media/parameter	Reporting format	Date of form
Controlled water	Form Water 1 or other reporting format to be agreed in writing with the Environment Agency	25/04/2003
Groundwater	Form Groundwater 1 or other reporting format to be agreed in writing with the Environment Agency	12/04/2024
Landfill gas	Form LFG 1 or other reporting format to be agreed in writing with the Environment Agency	12/04/2024
Leachate	Form Leachate 1 or other reporting format to be agreed in writing with the Environment Agency	12/04/2024
Waste Return	E-waste Return Form	-
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	-

Schedule 5 – Notification

This page outlines the information that the operator must provide.

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

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

Part A

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

(a) Notification requirements for any incident or accident which significantly affects or may significantly affect the environment	
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 5 days of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

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

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.

“action / assessment level” means a numerical limit that indicates that a substance is approaching a compliance limit and the operator should investigate or take action in accordance with their operational techniques to prevent a pollution incident or permit breach.

“Aftercare” means the time between formal closure of the site (as agreed with the Agency) and permit surrender

“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.

“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.

“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 Landfill Infrastructure.

“convenient access” means that the operator or other appropriate person can obtain and review the content of a document at short notice.

“CQA Validation Report” means the final “as built” construction and engineering details 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 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 by JAGDAG

“landfill Infrastructure” means any specified element within the site of the:

- surface water drainage systems;
- groundwater monitoring boreholes;
- basal or sidewall lining

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

“MPP” means the monitoring point plan, required by condition 4.2.2(h) to specify routine monitoring locations.

“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.

“operating technique” means any written document, technique or plan that describes how the operator will manage the permitted activities to prevent or minimise pollution and report to the regulator. It may include, site specific working plan, closure plan, aftercare plan and any associated management plans.

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

“relevant competency scheme” means the CIWM/ WAMITAB operator competence scheme, or the competence management system published by Energy and Utility Skills.

“review of the Hydrogeological Risk Assessment” (HRA) 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, schedule 22 or previous equivalent requirements (e.g. Waste Management Licensing Regulations 1994, Regulation 15). An HRA may have been previously referred to as a Reg 15 assessment, or a groundwater assessment or investigation.

“Written Management System” means a written document or documents that identify and minimise the risk of pollution;

- arising from the operation (in aftercare)
- arising from an accident or incident
- arising from failure to comply with this permit
- identified following a complaint

“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 or S2.2 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;

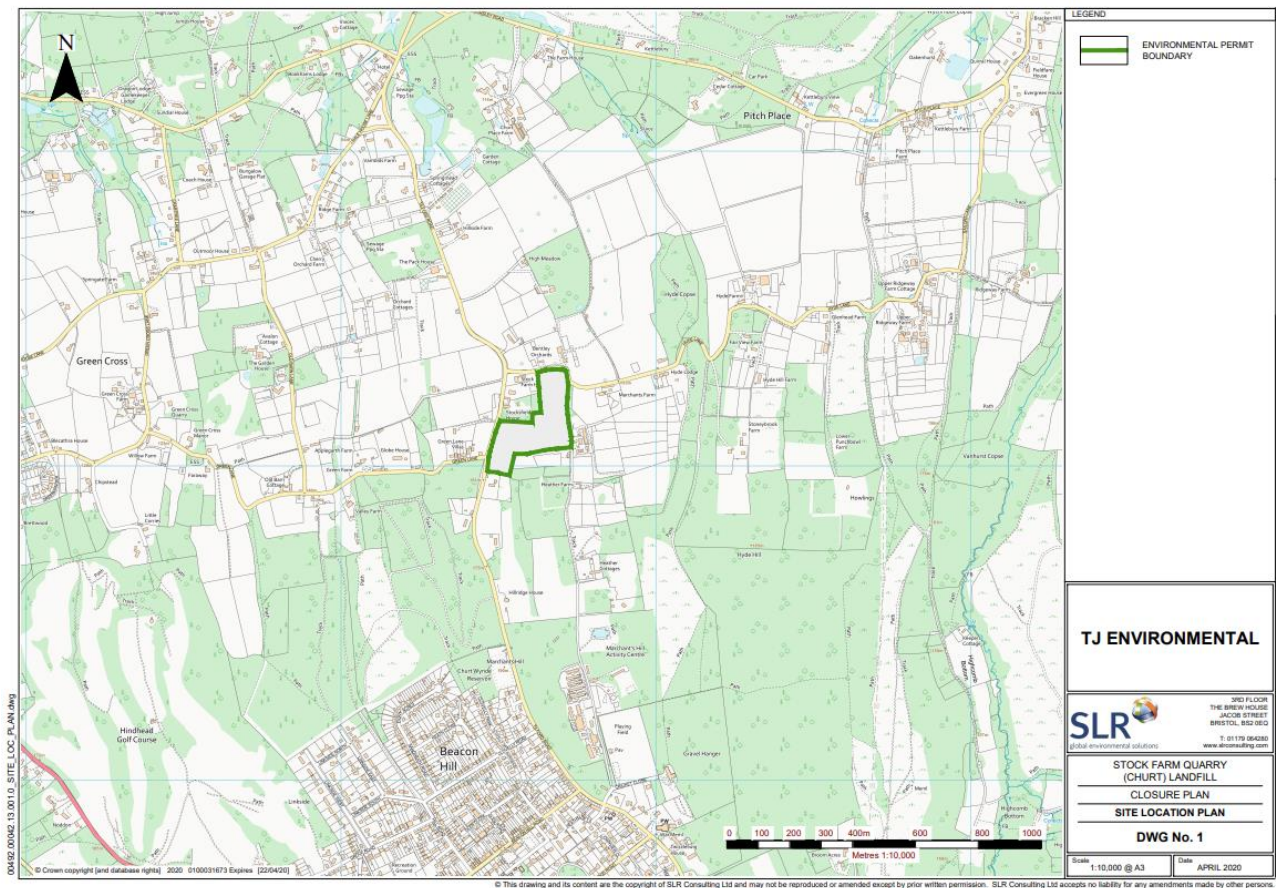
'transition metals' means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified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



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