Environment Agency

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Plasmor Limited

Escrick Quarry
Escrick
North Yorkshire
YO19 6ED

Permit number

EPR/TP3326SN

Escrick Quarry
Permit number EPR/TP3326SN

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Escrick Quarry is a new quarry with planning permission approving the extraction of clay, with restoration of the site to agriculture and nature conservation. This permit approves the deposit of 2,670,000 m^3 of inert waste as a recovery activity, for the purpose of restoring the quarry.

Escrick Quarry comprises two areas separated by the former route of the East Coast Main Line, now part of the Trans-Pennine Trail. The western area is approximately 51 hectares, and the eastern area is approximately 10 hectares. There are 15 phases of mineral extraction and restoration at the site. Phases 1 to 3 are in the eastern area, and Phases 4 to 15 in the western area. The mineral extraction and restoration operations will be carried out on a progressive basis.

If you need to deploy mobile plant under a mobile plant permit at a site that is subject to a site based permit to enable you to complete the recovery activity, there may be inconsistencies between the requirements of the two permits. In this situation those of this site based permit prevail.

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

Status log of the permit		
Description	**Date**	**Comments**
Application EPR/TP3326SN/A001	Duly made 29/07/2025	Application for a deposit for recovery activity permit.
Permit determined EPR/TP3326SN	23/02/2026	Permit issued to Plasmor Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/TP3326SN

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Plasmor Limited ("the operator"),

whose registered office is

Womersley Road
Knottingley
WF11 0DL

company registration number 00642173

to operate waste operations at

Escrick Quarry
Escrick
North Yorkshire
YO19 6ED

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

Name	Date
Louise Hann	23/02/2026

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, closure and those drawn to the attention of the operator as a result of complaints; and

(b) using sufficient competent persons and resources.

1.1.2 The operator shall maintain records demonstrating compliance with condition 1.1.1.

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 Avoidance, recovery and disposal of wastes produced by the activities

1.2.1 The operator shall take appropriate measures to ensure that:

(a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and

(b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and

(c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.2.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

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

2.2 The site

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

2.3 Operating techniques

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

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

2.4 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

2.5 Waste acceptance

2.5.1 Waste shall only be accepted if:

(a) it is of a type and quantity listed in schedule 2, table S2.1;

(b) it has been identified as a suitable waste in the approved waste recovery plan;

(c) its chemical, physical and biological characteristics make it suitable for its intended use on the site;

(d) it fulfils the approved waste acceptance criteria;

(e) all the approved waste acceptance procedures have been completed;

(f) it conforms to the description in the documentation supplied by the producer and holder;

(g) It is not waste consisting solely or mainly of dusts, powders or loose fibres;

(h) It is not hazardous wastes;

(i) It is not waste in liquid form.

2.5.2 The operator shall:

(a) visually inspect without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the site and waste at the point of deposit; and

(b) be satisfied that the waste conforms to the requirements of condition 2.5.1.

2.5.3 The total quantity of waste that shall be deposited under the permit shall be limited by the final levels shown on the final levels contour plan, drawing ref: PL/ES/03-20/21229revE, dated 05/05/2020.

2.6 Site engineering

2.6.1 No construction of site infrastructure shall commence until the operator has submitted relevant construction proposals or a written request to use previous construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.

2.6.2 The construction of the site infrastructure shall take place only in accordance with the approved construction proposals unless:

(a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or

(b) a change has otherwise been agreed in writing by the Environment Agency.

2.6.3 The operator shall submit a CQA Validation Report for approval within 4 weeks following the construction of the site infrastructure.

2.6.4 Where pollution controls are immediately necessary to prevent an incident or accident, then condition 2.6.1 does not apply and the relevant site infrastructure may be constructed, provided that the construction proposals are submitted to the Environment Agency as soon as practicable.

2.6.5 For the purposes of conditions 2.6.1 and 2.6.3, the Environment Agency shall be deemed to be satisfied where it has not, within the period of 4 weeks from the date of receipt of the relevant construction proposals or CQA Validation Report, either:

(a) confirmed whether or not it is satisfied; or

(b) informed the operator that it requires further information.

2.6.6 Where the Environment Agency has required further information under condition 2.6.5(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.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 The operator shall prevent the input of any hazardous substances from the activities into groundwater.

3.1.2 The operator shall submit to the Environment Agency a review of the Hydrogeological Risk Assessment:

(a) between nine and six months prior to the sixth anniversary of the granting of the permit, and

(b) between nine and six months prior to every subsequent six 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 any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;

(b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

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

3.3.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;

(b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

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

3.4.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

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

(a) Groundwater specified in table S3.1 and S3.2;

(b) Surface water specified in table S3.3; and

(c) Ground gas specified in table S3.4.

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 The operator shall undertake a topographical survey of the site referenced to ordnance datum that shall be used to produce a plan of a scale adequate to show the surveyed features of the site:

(a) prior to commencement of the recovery activity; and

(b) on completion of the recovery activity to show final waste levels defined by condition 2.5.3.

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) off-site environmental effects;

  (ii) matters which affect the condition of the land and groundwater;

  (iii) waste types and quantities;

  (iv) the results of groundwater monitoring;

  (v) the results of ground gas monitoring; and

  (vi) the results of surface water monitoring.

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

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

4.2 Reporting

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

4.2.2 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.

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

(a) in respect of the parameters and emission points specified in schedule 4 table S4.1;

(b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2 ; 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 submit the topographical survey plans required by condition 3.5.3 (a) and (b) to the Environment Agency within one month of the completion of the survey.

4.3 Notifications

4.3.1 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—

(a) inform the Environment Agency,

(b) take the measures necessary to limit the environmental consequences of such an incident or accident, and

(c) take the measures necessary to prevent further possible incidents or accidents;

4.3.2 In the event of a breach of any permit condition the operator must immediately—

(a) inform the Environment Agency, and

(b) take the measures necessary to ensure that compliance is restored within the shortest possible time.

4.3.3 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.

4.3.4 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.5 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.6 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.

4.3.7 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.

4.3.8 The operator shall notify the Environment Agency in writing:

(a) at least 14 days before the commencement of operations;

(b) within 14 days of completion of operations.

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	
Description of activities for waste operations	**Limits of activities**
R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Secure storage of wastes listed in Table S2.1 for the purpose of recovery. Storage of wastes listed in Table S2.1 shall be limited to three years.
R5: Recycling/reclamation of other inorganic compounds	Use of waste types specified in Table S2.1 for the purposes of construction work and/or restoration, reclamation or improvement of land.

Table S1.2 Operating techniques		
Description	**Parts**	**Date received**
Application	Final levels contour plan, drawing reference PL/ES/03-20/21229revE, dated 05/05/2020	05/02/2024
Application	Dust and emissions management plan, reference PL/ES/AW/5689/01/DEMP, dated 09/2025	12/09/2025
Application	Approved waste recovery plan document, reference PL/ES/AW/5689/01, dated 12/2025	10/12/2025
Application	Waste acceptance procedures, reference PL/ES/AW/5689/01/WAP/V1.1, dated 12/2025	10/12/2025

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IP1	The operator shall submit a written report to the Environment Agency for assessment and written approval: The report must contain: a) The results of 12 consecutive monthly cycles of groundwater quality data collected from the following monitoring locations: • BH17/09; and • BH17/07 b) Details of groundwater level and quality monitoring should be carried out on the following substance as a minimum: • Arsenic c) Analysis of the data combined with that collected from up gradient borehole locations, using a suitable hydrogeological assessment method and statistical analytical technique(s) referred to in the Environment Agency's Guidance located at www.gov.uk; and Techniques for the Interpretation of Landfill Monitoring Data Guidance notes Final Technical Report P1-471. d) Proposed amendments for the groundwater quality compliance limits for the groundwater monitoring boreholes BH17/09 and BH17/07 for arsenic. This will use the analysis from part c), with data used from boreholes BH17/09 and BH17/07.	23/05/2027

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	e) Electronic data showing the derivation of amended limits must be provided with the report. Following Environment Agency written approval, the compliance limits will apply within Table S3.1 ‘Groundwater – emission limits and monitoring requirements.	
IP2	The Operator shall: • Submit a plan showing the proposed locations of the in-waste ground gas monitoring wells to the Environment Agency and obtain the Environment Agency’s written approval to them. • Unless otherwise approved in writing by the Environment Agency, on reaching final waste levels and/or following placement of the final restoration surface, progressively install the in-waste ground gas monitoring wells in accordance with the approved plan, and commence routine in-waste ground gas monitoring. The ground gas monitoring boreholes shall be constructed and recorded in accordance with the site engineering condition 2.6 unless otherwise approved in writing by the Environment Agency, the proposal shall be in accordance with the Environment Agency Guidance LFTGN03 ‘Management of Landfill Gas’ (September 2004) or such other Environment Agency guidance.	On completion of waste deposit

Schedule 2 – Waste types

Table S2.1 Permitted waste types and quantities for use in deposit for recovery	
Maximum quantity	**The total quantity of waste accepted at the site shall be less than 200,000 tonnes per year.** **The total quantity of waste to be accepted at the site shall not exceed 2,670,000 m^3**
Waste code	**Description**
01	**WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**
01 01	**wastes from mineral excavation**
01 01 02	wastes from non metalliferous excavation
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 08	waste gravel and crushed rocks other than those containing dangerous substances
01 04 09	waste sand and clays
10	**WASTES FROM THERMAL PROCESSES**
10 12	**wastes from manufacture of ceramic goods, bricks, tiles and construction products**
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
17 01	**concrete, bricks, tiles and ceramics**
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 04	soil and stones – restricted to topsoil, peat, subsoil and stones only
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 09	minerals (for example sand, stones) from the treatment of waste aggregates that are otherwise naturally occurring minerals - excludes fines from treatment of any non-hazardous waste or gypsum from recovered plasterboard.
19 12 12	crushed bricks, tiles, concrete and ceramics (including mixtures of materials) - excludes metal from reinforced concrete, fines from treatment of any non-hazardous waste or gypsum from recovered plasterboard
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 - restricted to topsoil, peat, subsoil and stones only

Schedule 3 – Emissions and monitoring

Table S3.1 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
17/07 on Figure ESSD 8 (PL/ES/07-23/23793) dated 19/01/2024	ammoniacal nitrogen	1 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.
	chloride	101 mg/l			
	lead	0.001 m/l			
	mercury	0.00001 mg/l			
	nickel	0.02 mg/l			
	zinc	0.15 mg/l			
	arsenic	To be set by IP1			
17/09 on Figure ESSD 8 (PL/ES/07-23/23793) dated 19/01/2024	ammoniacal nitrogen	1.5 mg/l			
	chloride	101 mg/l			
	lead	0.001 m/l			
	mercury	0.00001 mg/l			
	nickel	0.02 mg/l			
	zinc	0.15 mg/l			
	arsenic	To be set by IP1			

Table S3.2 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**
Shallow Groundwater – Skipwith Sand Member Monitoring boreholes 17/01, 17/02 17/03, 17/05, 17/06, 17/07, 17/08 and 17/09 Figure ESSD 8 (PL/ES/07-23/23793) dated 19/01/2024	Groundwater level pH, electrical conductivity, ammoniacal nitrogen, chloride, total alkalinity, magnesium potassium, sulphate, calcium, sodium, total organic carbon (TOC), arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel and zinc	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. PAH analysis must include all the substances listed in EPR 2016, schedule 10, paragraph 2(d).
	Total petroleum hydrocarbons, BTEX and mineral oil.	Annually	

Groundwater – Lawns House Farm Sand Member Upper monitoring horizons in monitoring boreholes 17/01A, 17/02A, 17/05A, 17/07A and 17/09A Figure ESSD 8 (PL/ES/07-23/23793) dated 19/01/2024	Groundwater level, pH, electrical conductivity, ammoniacal, nitrogen, chloride, total alkalinity, magnesium potassium, sulphate, calcium, sodium, total organic carbon (TOC), arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel and zinc	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. PAH analysis must include all the substances listed in EPR 2016, schedule 10, paragraph 2(d).
	Total petroleum hydrocarbons, BTEX and mineral oil.	Annually	
Sherwood Sandstone Group Lower monitoring horizons in monitoring boreholes 17/01A, 17/02A, 17/05A	Groundwater level	Quarterly	

Table S3.3 Surface water monitoring requirements			
Monitoring Point Ref./Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**
Bentley Park Drain at 1BP and 2BP, Heron Dyke (Drain) at 3HD and 4HD and Parkhill Dyke (Drain) at 5PD Figure ESSD 8 (PL/ES/07-23/23793) dated 19/01/2024	pH, electrical conductivity, ammoniacal nitrogen, chloride, total alkalinity, magnesium potassium, sulphate, calcium, sodium, TOC, arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, zinc and visual oil/grease	Quarterly	Spot sample 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.
	Total petroleum hydrocarbons, BTEX and mineral oil	Annually	

Table S3.4 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**
All in-waste landfill gas monitoring points*	Methane	1% v/v	Monthly	As per LFTGN03 or such other subsequent guidance as may be agreed in writing with the Environment Agency. Where the concentration of methane at any in-waste monitoring location exceeds the specified action level, the operator shall investigate the root cause in accordance with their gas action plan and waste acceptance procedures. Record whether the ground is: waterlogged frozen snow covered
	Carbon Dioxide	no limit		
	Oxygen	no limit		
	Atmospheric Pressure	no limit		
	Differential Pressure	no limit		
*As installed in accordance with Improvement Programme Condition IC2				

Schedule 4 – Reporting

Table S4.1 Reporting of monitoring data		
Parameter	**Reporting period**	**Period ends**
Groundwater monitoring Parameters as required by schedule 3, table S3.1	Every 3 months	31 March, 30 June, 30 September, 31 December
Other groundwater monitoring Parameters as required by schedule 3, table S3.2	Every 3 months	31 March, 30 June, 30 September, 31 December
Other surface water monitoring Parameters as required by schedule 3, table S3.3	Every 3 months	31 March, 30 June, 30 September, 31 December
Ground gas monitoring Parameters as required by schedule 3, table S3.4	Every 3 months	31 March, 30 June, 30 September, 31 December

Table S4.2 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Groundwater	Reporting format to be agreed in writing with the Environment Agency	-
Surface water	Reporting format to be agreed in writing with the Environment Agency	-
Ground gas	Reporting format to be agreed in writing with the Environment Agency	-
Topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	-

Schedule 5 – Notification

These pages outline 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	
Date and time of monitoring	

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

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

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

Part B – to be submitted 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.

‘Annex I’ means Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

‘Annex II’ means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

‘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.

‘area for waste deposit’ is the part of the site where waste material is to be deposited.

‘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.

‘CQA Validation Report’ means the final ‘as built’ construction and engineering details of the area of the site for deposit or of the Site 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 engineering of the site or new Phase of the site or Site 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 limit.

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

‘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 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.

‘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.

‘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.

‘quarter’ means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

‘R’ means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

‘site engineering’ means the engineered attenuation layer, geological barrier or other construction proposals that are required before waste can be deposited.

‘site infrastructure’ means any specified element of the:

- permanent capping;
- surface water drainage systems;
- groundwater monitoring boreholes;
- ground gas monitoring boreholes;
- ground gas management systems;

within the site.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England)Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

‘Waste Framework Directive’ or ‘WFD’ means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

‘year’ means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, table S2.1, for that table, 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.

“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.

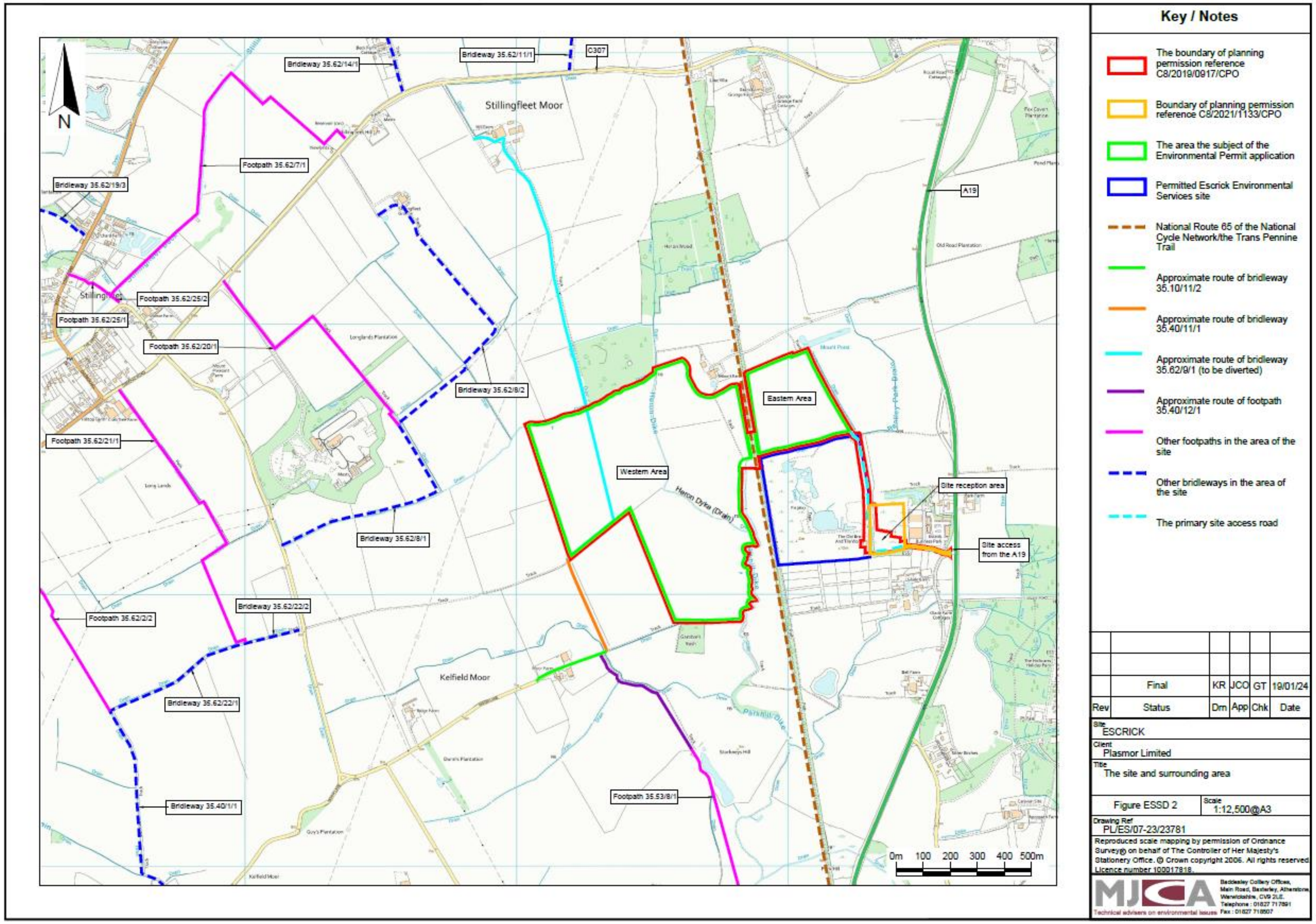
“transition metals” means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified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