Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Newthorpe Aggregates Limited

Newthorpe Quarry
Sherburn in Elmet
North Yorkshire
LS25 6JW

Permit number

EPR/TP3125SK

Newthorpe Quarry
Permit number EPR/TP3125SK

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

This permit will authorise the restoration of the limestone quarry void at Newthorpe Quarry site near Micklefield, with 2,000,000 tonnes of waste at a rate of 220,000 tonnes per annum. The site will be returned to agricultural use. The site is within a rural setting with no residential receptors for some 300m.

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/TP3125SK/A001	Duly made 26/11/24	Application for a bespoke deposit for recovery permit
Additional information received	17/02/25	Revised Dust Emissions Management Plan and Environmental Risk Assessment
Additional information received	02/05/25	Revised Stability Risk Assessment, Hydrogeological Risk Assessment information, revised Site Plan
Additional information received	09/09/25	Revised Waste Recovery Plan and revised Waste Acceptance Procedures
Additional information received	15/09/25	Monitoring Plan and revised Borehole Location Plan
Permit determined EPR/TP3125SK	18/09/25	Permit issued to Newthorpe Aggregates Limited

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/TP3125SK

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

Newthorpe Aggregates Limited ("the operator"),

whose registered office is

Prospect Farm
Kirk Edge Road
High Bradfield
Sheffield
S6 6LJ

company registration number 10120947

to operate waste operations at

Newthorpe Quarry
Sherburn in Elmet
North Yorkshire
LS25 6JW

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

Name	Date
Charlotte Wakefield	**18/09/2025**

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 Pre-operational conditions

2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 have been completed.

2.6 Waste acceptance

2.6.1 Waste shall only be accepted if:

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

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

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

(d) it fulfils the approved waste acceptance criteria; and

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

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

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

(h) It is not hazardous wastes; and

(i) It is not waste in liquid form.

2.6.2 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 2.6.1.

2.6.3 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 titled Infill & Recycling Restoration Scheme - Drawing Number 10132D/04B

2.7 Site Engineering

2.7.1 (a) No construction of site engineering in the area for waste deposit shall commence until the operator has submitted construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.

(b) The operator shall review the construction proposals every 12 months.

2.7.2 The construction of site engineering in the area for waste deposit 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.

2.7.3 The operator shall prepare a CQA Validation Report to cover every 6 month period of construction of the area for deposit. The operator shall submit the CQA validation report to the Environment Agency within 4 weeks of the completion of the works.

2.7.4 No waste shall be recovered in the area for waste deposit until the operator has submitted a CQA Validation Report for approval and the Environment Agency has confirmed that it is satisfied with the CQA Validation Report.

2.7.5 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.

2.7.6 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.

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

2.7.8 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.7.1 and 2.7.5 do 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.

2.7.9 For the purposes of conditions 2.7.1, 2.7.4, 2.7.5 and 2.7.7, 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.

2.7.10 Where the Environment Agency has required further information under condition 2.7.9(b), the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the further information, either:

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

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

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 The limits given in schedule 3 shall not be exceeded

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

3.1.3 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.

3.1.4 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.

3.2 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.

3.3 Noise and vibration

3.3.1 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.

3.3.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to 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.

3.4 Monitoring

3.4.1 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 S3.3;

(b) Ground gas specified in table S3.2; and

(c) Surface water specified in table S3.4

3.4.2 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.

3.4.3 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 2.6.3.

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 surface water monitoring and

(vi) the results of ground gas 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 3.4.3 (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 Tables S2.1 and S2.2 for the purpose of recovery. Storage of wastes listed in Tables S2.1 and S2.2 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 restoration, reclamation or improvement of land.
R5: Recycling/reclamation of other inorganic compounds	Use of waste types specified in Table S2.2 for the purposes of construction of an attenuation layer.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	The following documents provided in response to section 3a – technical standards, Part B4 of the application form. EA Guidance: Waste recovery plans and deposit for recovery permits Waste acceptance procedures for deposit for recovery Check if your waste is suitable for deposit for recovery Develop a management system Engineering construction proposals for deposit for recovery	07/10/24
Response to Schedule 5 notice dated 01/09/25	Approved waste recovery plan document (reference 391-1 WRP with MPG Addendum V2 Version 3 dated 09/09/25).	09/09/25
Application	Final levels contour plan – Infill & Recycling Restoration Scheme - Drawing Number 10132D/04B dated 13/09/18	31/10/24
Response to Schedule 5 notice dated 01/09/25	Waste Acceptance Procedures document (document reference 391/1-R1.2 WAP version 1.2 dated 09/09/25)	09/09/25
Application	Dust emissions management plan document reference 391/1—R1.2 – DEMP Version 1.2 dated 31/10/24.	31/10/24
Response to Schedule 5 notice dated 31/03/25	Technical separation between their operation and the historic landfill reference: drawing 391/1 – Permit – 2 rev 3.2 – dated 15/04/25 submitted in response to Schedule 5 notice.	02/05/25
Response to Schedule 5 notice dated 01/09/25	Monitoring Plan document (document reference 391/1-R2.1 – Monitoring version 2.1 dated 12/09/25)	12/09/25
Response to Schedule 5 notice dated 01/09/25	Monitoring Point Plan (document reference 391/1- Permit BHs revision 3 dated 12/09/25)	12/09/25

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IP1	The operator shall install a borehole ("Borehole 1") as marked on the report at 391/1 – Permit- BHs Rev. 2.2. The operator shall calculate and propose control and compliance levels in the proposed BH1 to the Environment Agency for the following parameters • Chloride • Ammoniacal nitrogen • Nickel • Sulphate Unless alternative guidance measures have been submitted to and agreed in writing by the Environment Agency, the control and compliance levels shall be derived from a minimum of 12 rounds of monthly monitoring data in accordance with: https://www.gov.uk/guidance/landfill-developments-groundwater-risk-assessment-for-leachate#groundwater-control-levels	18/03/27
IP2	The Operator shall: • Submit a plan demonstrating the proposed locations of 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 2.7. 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.	Within 3 months following the completion of the final restoration surface in each phase.
IP3	The operator shall submit a report in writing for the Environment Agency's written approval proposing compliance limits for groundwater monitoring for borehole BH4 in table S3.1. The compliance limits for the parameters detailed in table S3.1 - shall be based on 12 months of consecutive monthly monitoring or an alternative timescale as approved in writing by the Environment Agency.	Within 15 months from the date of permit issue or an alternative timescale as approved in writing by the Environment Agency.

Table S1.4 Pre-operational measures	
Reference	**Pre-operational measures**
PO1	Prior to accepting wastes for use in the attenuation layer the operator shall provide information for each specified source waste stream(s) in writing to the Environment Agency for the Environment Agency's written approval of: • The site(s) producing each waste stream for use in the geological barrier And, • Provide a representative leaching test results for each waste streams from each specified source to Environment Agency. The leaching test results must demonstrate the waste:

Table S1.4 Pre-operational measures	
Reference	**Pre-operational measures**
	• Is from a single source or waste type • Is physically and chemically suitable • Has a chemical quality that is more stringent than the waste acceptance criteria ("WAC") leaching limit values for inert waste – see section 2.1.2.1 of the Council Decision annex And, • Has pollution potential less than, or equal to, the natural chemical quality of the geology the geological barrier is to be constructed against.

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 121,000 m^3 per year. The total quantity of waste to be accepted at the site shall not exceed 1,100,000 m^3.**	
Waste code	**Description**	**Restrictions**
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 containing dangerous substances	
01 04 09	waste sand and clays	
10	**WASTES FROM THERMAL PROCESSES**	
10 02	**wastes from the iron and steel industry**	
10 02 01	wastes from the processing of slag	May only be deposited in the final 2m
10 02 02	unprocessed slag	May only be deposited in the final 2m
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)	
10 13	**wastes from manufacture of cement, lime and plaster and articles and products made from them**	
10 13 14	waste concrete and concrete sludge	May only be deposited in the final 2m
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	

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 121,000 m^3 per year. The total quantity of waste to be accepted at the site shall not exceed 1,100,000 m^3.**	
Waste code	**Description**	**Restrictions**
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 (excluding topsoil and peat)	
17 05 06	dredging spoil (unless it contains dangerous substances)	
17 05 08	track ballast, soil and stones other than those containing dangerous substances	
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 (excluding topsoil and peat)	

Table S2.2 Permitted waste types for construction of attenuation layer	
Maximum quantity	**The total quantity of waste to be accepted at the site shall not exceed 43,000 m^3.**
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 09	waste sand and clays
17	**CONSTRUCTION AND DEMOLITION WASTES (EXCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
17 05	**soil (excluding excavated soil from contaminated sites), stones and dredging spoil**
17 05 04	soil and stones other than those mentioned in 17 05 03 (excluding topsoil and peat)
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.

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**
BH1* as shown on Drawing ref: 391/1- Permit BHs revision 3 dated 12/09/25	Arsenic	0.005 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*			
	Nickel	0.02 mg/l*			
	Lead	0.0004 mg/l*			
	Chloride	132 mg/l*			
	Ammoniacal Nitrogen	0.21 mg/l*			
BH4** as shown on Drawing ref: 391/1- Permit BHs revision 3 dated 12/09/25	Arsenic	0.005 mg/l**			
	Sulphate	250 mg/l**			
	Nickel	0.02 mg/l**			
	Lead	0.0004 mg/l**			
	Chloride	95 mg/l**			
	Ammoniacal Nitrogen	0.17 mg/l**			
*Note that limits for BH1 are interim and will need revising in line with the improvement condition IP1					
*Note that limits for BH4 are interim and will need revising in line with the improvement condition IP3					

Table S3.2 Ground gas - monitoring requirements				
Location or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Locations as approved through **Improvement Condition IP2** in Schedule 1, Table S1.3	Methane (%v/v) Carbon dioxide (%v/v) Oxygen (%v/v) Balance Gas (%v/v) Flow Rate (l/hr) Differential Pressure (mbar) Atmospheric Pressure (mbar)	Monthly following installation of in-waste monitoring wells in accordance with **Improvement Condition IP2**	As specified in 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 Record: Atmospheric pressure trends at time of monitoring

Table S3.3 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**
Upgradient MPP	Water level, electrical conductivity, chloride, ammoniacal nitrogen, pH, total sulphates, arsenic, nickel, lead	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, calcium, sodium, chromium, copper, iron, zinc, manganese	Annually	
	Hazardous substances	Annually for first six years of operation	
Downgradient MPP	Water level, electrical conductivity, chloride, ammoniacal nitrogen, pH, total sulphates, arsenic, nickel, lead	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, calcium, sodium, chromium, copper, iron, zinc, manganese	Annually	

Table S3.3 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**
	Hazardous substances detected in leachate	Annually for first six years of operation then every two years	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.
MPP	Base of monitoring point (mAoD)	Annually	

Table S3.4 Surface water – other monitoring requirements				
Monitoring point reference	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Surface monitoring point as shown on Drawing ref: 391/1-Permit BHs revision 3 dated 12/09/25	pH, Electrical Conductivity, Ammoniacal Nitrogen, Total Organic Carbon (TOC), Total Sulphates, Chloride	6 monthly	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.

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**
Groundwater monitoring Parameters as required by schedule 3, table S3.1	Every 3 months	31 March, 30 June, 30 September, 31 December
Ground gas monitoring Parameters as required by schedule 3, table S3.2	Every 3 months	31 March, 30 June, 30 September, 31 December
Other groundwater monitoring Parameters as required by schedule 3, table S3.3	Every 3 months	31 March, 30 June, 30 September, 31 December
Surface water monitoring Parameters as required by schedule 3, table S3.4	Every 6 months	31 March, 30 September

Table S4.2 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Groundwater	Surface Water and Groundwater Monitoring Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/21
Ground gas	Ground Gas Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	27/08/25
Surface water	Surface Water and Groundwater Monitoring Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/21
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.

‘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 groundwater, the groundwater quality up-gradient of the site; or
- For emissions of ground 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 site or new phase of the site.

‘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 to land’ includes emissions to groundwater.

‘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.

“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.

‘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, tables S2.1, S2.2 for those tables, 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.

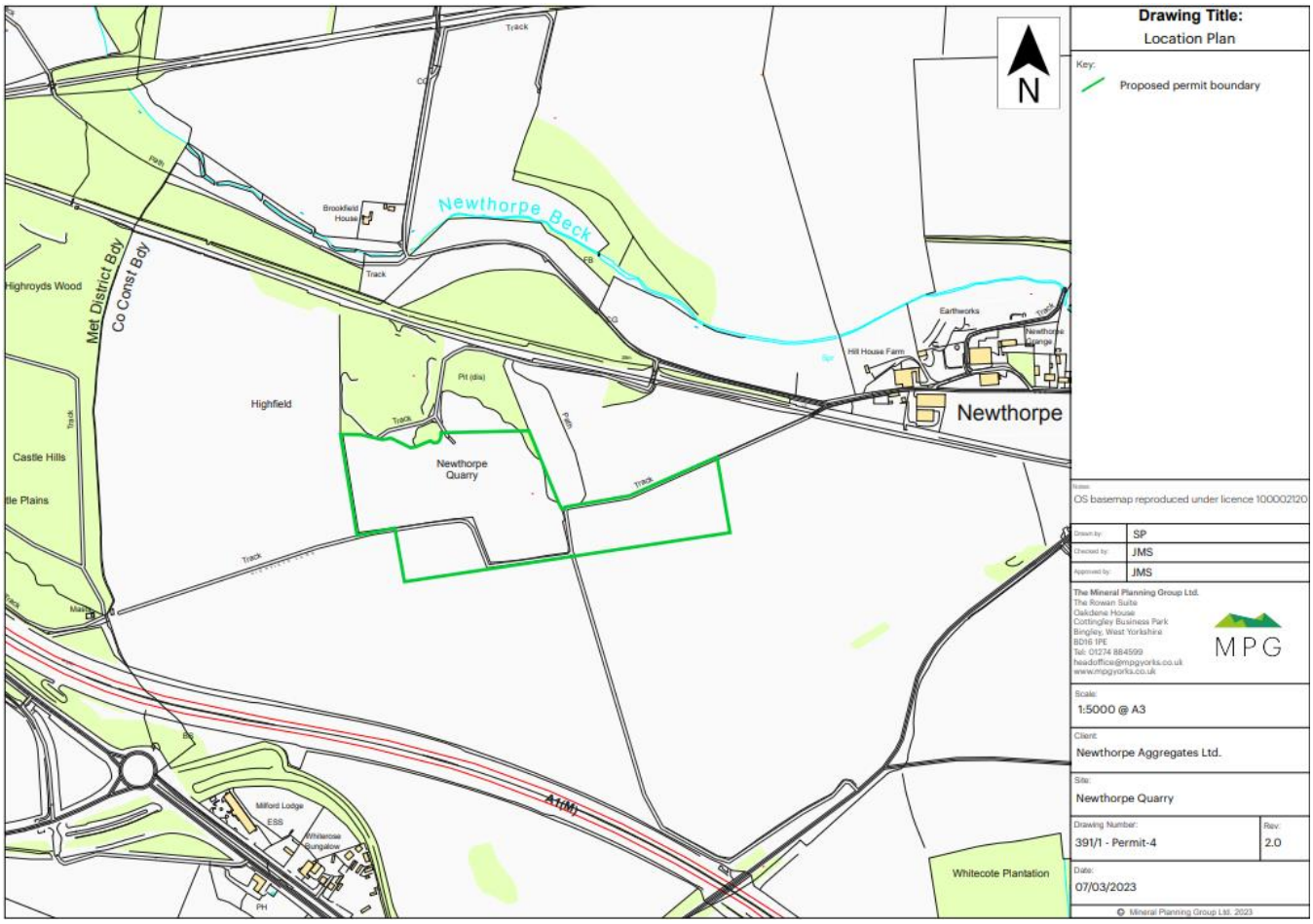
“transition metals” means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified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



END OF PERMIT

Surface Water and Groundwater Monitoring Form:
version 1, 08/03/2021

Permit number: *[EPR/AB1234CB]* **Operator:** *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]*

Reporting of surface water and/or groundwater monitoring for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Monitoring point	Substance / parameter	Trigger level	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Uncertainty [4]
[e.g. GW1]	*[e.g. pH]*	*[e.g. >5 and <9 pH units]*	*[e.g. instantaneous]*	*[e.g. BS ISO 5667-11:200]*	*[State result]*	*[State relevant dates and time periods]*	*[State uncertainty if not 95% confidence interval]*

Signed: *[Name]* **Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your monitoring results.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

[1] Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.

[2] Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.

[3] For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.

[4] Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

Ground Gas Reporting Form:
version 1, 27/08/2025

Permit number: *[EPR/AB1234CB]* **Operator:** *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]*

Reporting of ground gas monitoring for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Monitoring point	Substance / parameter	Compliance Limit	Reference period	Result [1]	Test method [2]	Sample dates and times [3]	Uncertainty [4]
[e.g. LFG1]	*[e.g. methane/carbon dioxide/oxygen]*	*[e.g. 1% v/v]*		*[State result]*		*[State relevant dates and time periods]*	*[State uncertainty if not 95% confidence interval]*

Signed: *[Name]* **Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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