

# Notice of variation and consolidation with introductory note

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

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Mone Brothers Limited

Blackhill Quarry  
Kings Road  
Bramhope  
Leeds  
LS16 9JN

**Variation application number**

EPR/WP3832LZ/V005

**Permit number**

EPR/WP3832LZ

# Blackhill Quarry

## Permit number EPR/WP3832LZ

### Introductory note

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

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

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

The variation:

- adds a new 'physical and chemical treatment' activity for a closed-system aggregate wash plant.
- increases site's annual throughput limit for treatment activities (AR2 'physical treatment', and AR3 'physical and chemical treatment') from 74,999 to 150,000 tonnes overall.

There is no change to the annual waste input limit of 74,999 tonnes for the inert landfill.

- adds new waste codes (EWCs) to the existing 'physical treatment' and 'inert landfill' activities.

The site is at National Grid Reference SE 27176 42122.

No activities take place within a building.

The new wash plant and storage bay area are positioned approximately 10 metres below the surrounding ground level; they are on impermeable surface with sealed drainage. The aggregate wash plant uses flocculant and is a closed system with water sourced from a borehole. Filter cake generated from this activity is tested for classification and characterisation to determine whether it can be accepted and disposed of in the onsite inert landfill in accordance with the operator's waste acceptance procedures.

Improvement programme requirements have been added relating to the wash plant. We have also indicated where existing improvement programme requirements have been met or superseded and have updated the referencing to reflect the modern permit format.

Crushing and screening of wastes remains on the higher ground.

Storage of waste continues on an impermeable pad with sealed drainage on the higher ground. Water from this pad and the wash plant area is channelled to a sump. Water will be tested for contaminants and if unsuitable for reuse in the plant it will be taken offsite by tanker to a suitably licenced facility.

The operating techniques include Appropriate Measures and an approved Dust and Emissions Management Plan (DEMP).

There is one Site of Scientific Interest (SSSI) within 1km of the boundary.

The quarry and the surrounding areas lie within a base of the Upper Carboniferous age. The stone being extracted is the Brandon Grit of the millstone Grit sequence. This is conformably underlain by a thick horizon of blue mudstone. The strata below the site is designated a minor aquifer as is the strata within the surrounding area. The Environment Agency website confirms that the site is not within a SPZ. The nearest surface water receptor is Marsh Beck which flows along the site's western boundary.

The schedules specify the changes made to the permit.

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

| <b>Status log of the permit</b>                                       |                       |                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>                                                    | <b>Date</b>           | <b>Comments</b>                                                                                                                                                                                                                                                                                        |
| Permit determined<br>WP3832LZ                                         | 22/05/09              | Original PPC Permit for inert landfill issued to Mone Brothers Limited.                                                                                                                                                                                                                                |
| Variation determined (temporarily referenced as<br>EPR/NB3135RJ/V002) | 11/03/13              | Variation to include a waste transfer station to screen the incoming waste for recovery as aggregates.                                                                                                                                                                                                 |
| Variation determined (temporarily referenced as<br>EPR/NB3135RJ/V003) | 27/02/14              | Variation to increase the permitted boundary.                                                                                                                                                                                                                                                          |
| Application<br>EPR/WP3832LZ/V004 returned                             | 26/06/24              | Application returned not duly made.                                                                                                                                                                                                                                                                    |
| Application<br>EPR/WP3832LZ/V005 (variation and consolidation)        | Duly made<br>02/07/24 | Application to add wash plant, new waste types for treatment and disposal at the site, and increase annual throughput limit for treatment activities from 74,999 to 150,000 tonnes.                                                                                                                    |
| Response to request for information dated 14/03/25                    | 21/03/25              | Confirmed the which activities the new proposed waste codes were associated with.                                                                                                                                                                                                                      |
| Response to Schedule 5 Notice dated 22/05/2025                        | 27/06/25              | Received satisfactory information relating to: <ul style="list-style-type: none"> <li>Noise Impact Assessment (NIA)</li> <li>Process flow diagrams and descriptions</li> <li>Tonnages for each activity</li> </ul>                                                                                     |
| Response to Schedule 5 Notice dated 18/08/2025                        | 29/09/25              | Received satisfactory information relating to: <ul style="list-style-type: none"> <li>Waste Acceptance Procedures for the Inert Landfill</li> <li>Mining waste</li> <li>Site layout plans</li> <li>Wash plant contaminated water removal</li> <li>Dust and Emissions Management Plan (DEMP)</li> </ul> |
| Response to request for information dated 13/10/25                    | 16/10/25              | Received information relating to wheel wash: water recirculation and replacement.                                                                                                                                                                                                                      |
| Response to request for information dated 01/12/2025                  | 03/12/25              | Confirmed the wash plant activities: washing, grading, centrifuging, dewatering, and pressing.                                                                                                                                                                                                         |
| Variation determined and consolidation issued<br>EPR/WP3832LZ         | 20/02/26              | Varied and consolidated permit issued in modern 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

### Permit number

**EPR/WP3832LZ**

### Issued to

**Mone Brothers Limited** ("the operator")

whose registered office is

**Albert Road**

**Morley**

**Leeds**

**LS27 8RU**

company registration number 00992477

to operate a regulated facility at

**Blackhill Quarry**

**Kings Road**

**Bramhope**

**Leeds**

**LS16 9JN**

to the extent set out in the schedules.

The notice shall take effect from 20/02/2026

| Name        | Date       |
|-------------|------------|
| Adam Stokes | 20/02/2026 |

Authorised on behalf of the Environment Agency

## **Schedule 1**

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/WP3832LZ**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/WP3832LZ/V005 authorising,

**Mone Brothers Limited** ("the operator"),

whose registered office is

**Albert Road**

**Morley**

**Leeds**

**LS27 8RU**

company registration number 00992477

to operate waste operations at

**Blackhill Quarry**

**Kings Road**

**Bramhope**

**Leeds**

**LS16 9JN**

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

| Name        | Date       |
|-------------|------------|
| Adam Stokes | 20/02/2026 |

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 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

### 1.2 Finance

- 1.2.1 The financial provision for meeting the obligations under this permit set out in the agreement made between the operator and the Environment Agency dated 22/05/09 shall be maintained by the operator throughout the subsistence of this permit and the operator shall produce evidence of such provision whenever required by the Environment Agency.
- 1.2.2 The operator shall ensure that the charges it makes for the disposal of waste in the landfill cover all of the following:
- (a) the costs of setting up and operating the landfill;
  - (b) the costs of the financial provision required by condition 1.2.1; and
  - (c) the estimated costs for the closure and aftercare of the landfill.

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

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

## 2 Operations

### 2.1 Permitted activities

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

## **2.2 The site**

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

## **2.3 Operating techniques**

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

## **2.4 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 operations specified in schedule 1, table S1.4 shall not commence until the measures specified in that table have been completed.

## **2.6 Landfill Engineering**

- 2.6.1 No construction of any new cell or development area shall commence until the operator has submitted construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.
- 2.6.2 The construction of a new cell or development area 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 to the Environment Agency within 4 weeks following the construction of the new cell.
- 2.6.4 No disposal of waste shall take place in a new cell or development area until the operator has submitted a CQA Validation Report and the Environment Agency has confirmed that it is satisfied with the CQA Validation Report.
- 2.6.5 No construction of landfill infrastructure shall commence until the operator has submitted relevant construction proposals or a written request to use previous construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.
- 2.6.6 The construction of the landfill infrastructure shall take place only in accordance with the approved construction proposals unless:

- (a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or
  - (b) a change has otherwise been agreed in writing by the Environment Agency.
- 2.6.7 The operator shall submit a CQA Validation Report within 4 weeks of the completion of the landfill infrastructure.
- 2.6.8 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.6.1 and 2.6.5 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.
- 2.6.9 For the purposes of conditions 2.6.1, 2.6.4 and 2.6.5 the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the relevant construction proposals or CQA Validation Report, either:
  - (a) confirmed whether or not it is satisfied; or
  - (b) informed the operator that it requires further information.
- 2.6.10 Where the Environment Agency has required further information under condition 2.6.9(b), the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the further information, either:
  - (a) confirmed whether or not it is satisfied; or
  - (b) informed the operator that it requires further information.

## 2.7 Waste acceptance

- 2.7.1 For the following activities references in schedule 1, table S1.1, AR1, Wastes shall only be accepted for disposal if:
  - (a) they are listed in schedule 2, table S2.1; and
  - (b) they are inert waste; and
  - (c) they are not liquid waste (including waste waters but excluding sludge); and
  - (d) all the relevant waste acceptance procedures have been completed; and
  - (e) they fulfil the relevant waste acceptance criteria; and
  - (f) they have not been diluted or mixed solely to meet the relevant waste acceptance criteria; and
  - (g) they are wastes which have been treated, except for wastes for which treatment is not technically feasible.
- 2.7.2 The operator shall:
  - (a) visually inspect without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the landfill and waste at the point of deposit; and
  - (b) be satisfied that the waste conforms to the requirements of condition 2.7.1.
- 2.7.3 For the activities referenced in schedule 1, table S1.1, AR2 and AR3, waste shall only be accepted if:
  - (a) it is of a type and quantity listed in schedule 2, table S2.2 or table S2.3; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.7.4 Where the operator has taken samples to establish that the waste is in conformity with the documentation submitted by the holder then the samples taken shall be retained for at least one month and results of any analysis for at least two years.
- 2.7.5 The operator on accepting each delivery of waste shall provide a receipt to the person delivering it.

- 2.7.6 The total quantity of waste that shall be disposed of in the landfill shall be limited by the levels shown on drawing ESID5.
- 2.7.7 The quantity of waste that is disposed of at the regulated facility in any year shall not exceed the limits in schedule 1, table S1.5.
- 2.7.8 The operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, date of delivery and, where practicable, origin of any waste that is received for disposal or restoration and of the identity of the producer, or in the case of municipal waste and multiple collection vehicles, of the collector of such waste. Any information regarded by the operator as commercially confidential shall be clearly identified in the record.

## **2.8 Closure and aftercare**

- 2.8.1 The operator shall maintain a closure and aftercare management plan.

## **3 Emissions and monitoring**

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

- 3.1.1 The limits in schedule 3 shall not be exceeded.
- 3.1.2 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 fourth anniversary of the granting of the permit; and
  - (b) between nine and six months prior to every subsequent six years after the fourth anniversary of the granting of the permit.

### **3.2 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 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 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 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 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 A topographical survey of the site referenced to ordnance datum shall be carried out and shall be used to produce a plan of a scale adequate to show the surveyed features of the site:
  - (a) annually; and
  - (b) prior to the disposal of waste in any new cell or new development area of the landfill; and
  - (c) following closure of the landfill or part of the landfill

## **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) landfill gas monitoring;
    - (iii) waste types and quantities.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

### **4.2 Reporting**

- 4.2.1 The operator shall send reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year ('the annual report') shall be submitted to the Environment Agency by 31st January each year or such other date as may be agreed in writing by the Agency. 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 activity and any agreed amendments thereto. The review will include written descriptions of the improvements made to operational performance during the year, action plans developed and planned improvements for the coming year;

- (b) the topographical surveys required by condition 3.4.3 other than those submitted as part of a CQA validation report;
- (c) the volumetric difference (reported in cubic metres) between the most recent topographical survey and the previous annual topographical survey i.e. the additional volume of the landfill void that is occupied by waste;
- (d) an assessment of the settlement behaviour of the landfill body based on the difference between the most recent topographical survey and previous annual topographical survey for the areas of the landfill which did not receive waste between the surveys;
- (e) a calculation of the remaining capacity (reported in cubic metres) derived from the pre-settlement contours and the most recent topographical survey; and
- (f) a plan(s) ('the monitoring point plan – MPP') showing the locations of all 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) for the reporting periods specified in schedule 4, table S4.1 and 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 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.2.5 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

## 4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
  - (i) inform the Environment Agency,
  - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
  - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
  - (i) inform the Environment Agency, and
  - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;

- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

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

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

Where the operator is a registered company:

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

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

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

In any other case:

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

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

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

## 4.4 Interpretation

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

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

# Schedule 1 – Operations

| Table S1.1 activities                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Activity Reference (AR)                               | Specified activity and WFD Annex I and II operations                                                                                                                                                                                                                                                                                                                                          | Activity description and limits of specified activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| AR1 –<br>Inert Landfill                               | D1: Deposit into or on to land<br><br>D15: Storage pending any of the operations numbered D01 to D14 (excluding temporary storage pending collection on the site where it is produced).                                                                                                                                                                                                       | The disposal of inert waste into or onto land.<br><br>Subject to any other requirements of this permit wastes shall be stored for no longer than 1 year prior to disposal.<br><br>Waste types as specified in table S2.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| AR2 –<br>Physical treatment                           | R3: Recycling/reclamation of organic substances which are not used as solvents<br><br>R5: Recycling/reclamation of other inorganic materials<br><br>R13: Storage of wastes pending any of the operations numbered R01 to R12 (excluding temporary storage pending collection on the site where it is produced).                                                                               | Treatment consisting only of sorting, separation, screening, crushing and blending of inert waste for recovery as a soil, soil substitute or aggregate.<br><br>Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> <li>• Consisting solely or mainly of dusts, powders or loose fibres.</li> <li>• Wastes that are in a form which is either sludge or liquid.</li> </ul> Subject to any other requirements of this permit wastes shall be stored for no longer than 1 year prior to disposal or 3 years prior to recovery.<br><br>In combination with activity AR3 the total annual throughput for waste accepted shall be no more than 150,000 tonnes.<br><br>Waste types as specified in table S2.2. |
| AR3 -<br>Physical and chemical treatment (wash plant) | R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).<br><br>R5: Recycling/reclamation of other inorganic materials.<br><br>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced). | Physical and chemical treatment including washing, grading, centrifuging, dewatering, and pressing of non-hazardous waste for recovery.<br><br>Treatment by filter press to form filter cake.<br><br>Treatment of wash water by use of a flocculent.<br><br>Dewatering without use of heat.<br><br>Washing of waste shall take place on an impermeable surface with sealed drainage.<br><br>Wet post-treatment wastes shall be stored on an impermeable surface with sealed drainage.                                                                                                                                                                                                                                                                            |

| Table S1.1 activities   |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Activity Reference (AR) | Specified activity and WFD Annex I and II operations | Activity description and limits of specified activity                                                                                                                                                                                                                                                                                                                                                |
|                         |                                                      | <p>Filter cake shall be stored on an impermeable surface with a sealed drainage system.</p> <p>Subject to any other requirements of this permit wastes shall be stored for no longer than 3 years prior to recovery.</p> <p>In combination with activity AR2 the total annual throughput for waste accepted shall be no more than 150,000 tonnes.</p> <p>Waste types as specified in table S2.3.</p> |

| Table S1.2 Operating techniques                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Description                                    | Parts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Date Received |
| Application                                    | <p>The responses to questions B2.1, B2.2, B2.3, B2.4, B2.5, B2.7, B2.8, B2.9 and B2.11 of Part B of the Landfill Application Form.</p> <p>Excluding the answers to the following questions:<br/> B2.2.1 – B2.2.8 (relating to basal and side slope engineering),<br/> B1.4.2 (relating to the Stability Risk Assessment), B 2.2.37 (relating to surface water management), B2.2.52 (relating to perimeter landfill gas monitoring proposals and control and trigger levels), B 2.2.48 (relating to in waste landfill gas monitoring well proposals), B2.2.64 and B2.2.77 (relating to particulate matter management and birds, vermin and insect management and control).</p> | 09/05/2006    |
| Response to Schedule 5 Notice                  | <p>All</p> <p>Excluding the answers to the following questions:<br/> Question 4 (relating to revisiting and completing Form 1 IPPC1 Part B correctly), Question 5 (relating to submitting new HRA for the site, specifically: relating to groundwater monitoring and level management and groundwater monitoring plan), Question 6a, 6b, 6c and 6d (relating to providing a new SRA, specifically: Christmas Tree lining system and stability and location, shear strength data and lifts for compaction).</p>                                                                                                                                                                | 27/11/2006    |
| Response to Schedule 5 Notice dated 18/08/2025 | Waste Acceptance Procedures version 3.1, dated 17/09/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 29/09/2025    |
| Response to Schedule 5 Notice dated 18/08/2025 | <p>'Figure 1: Flowchart of site processes' referenced in the following:</p> <ul style="list-style-type: none"> <li>Operational Details, Document Reference 383/1-R1.2 – Operational_Details. Document Version 1.2, 17/09/2025.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                     | 29/09/2025    |

| Table S1.2 Operating techniques                                                                                                   |                                                                                                                                                                                                                                                                                                                                          |                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Description                                                                                                                       | Parts                                                                                                                                                                                                                                                                                                                                    | Date Received                                    |
| Response to Schedule 5 Notices dated 22/05/2025 and 18/10/2025.<br><br>and<br><br>Additional information request 13/10/2025       | Approved Dust and Emission Management Plan consisting of the following documents: <ul style="list-style-type: none"> <li>Dust &amp; Emission Management Plan (DEMP), revision 4, issued 19/09/2025.</li> <li>Information about the wheel wash in document 'EPR/WP3832LZ/V005 - 2nd Schedule 5 Notice response DEMP Addendum'.</li> </ul> | 29/10/2025<br><br><br><br><br><br><br>16/10/2025 |
| Non-hazardous and inert waste: appropriate measures for permitted facilities<br>Published: 12 July 2021<br>Updated: 1 August 2023 | All relevant parts of the Non-hazardous and inert waste: appropriate measures for permitted facilities guidance shall apply.                                                                                                                                                                                                             | n/a                                              |
| Wash Waters Management Plan                                                                                                       | The Wash Waters Management Plan approved in compliance with IC8.                                                                                                                                                                                                                                                                         | n/a                                              |

| Table S1.3 Improvement programme requirements |                                                                                                                                                                                                                                                                                                                                                                                            |                                                 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Reference                                     | Requirement                                                                                                                                                                                                                                                                                                                                                                                | Date                                            |
| IC1                                           | The Operator shall submit to the Agency for approval, a Surface Water Management Plan for the Installation which details how surface water is managed at the site and includes a drawing showing the surface water features and proposed surface water monitoring locations.                                                                                                               | 22/06/2009                                      |
| IC2a                                          | The Operator shall submit to the Agency for approval, proposals for an additional borehole located along the down-hydraulic gradient boundary of the landfill. The proposals shall include the location and construction details of the borehole with accompanying justification.                                                                                                          | 22/06/2009<br><br>Completed 30/08/2018          |
| IC2b                                          | The borehole shall be constructed in accordance with the approved proposals.                                                                                                                                                                                                                                                                                                               | 22/09/2009<br><br>Completed 30/08/2018          |
| IC3                                           | The Operator shall undertake monitoring of groundwater levels and groundwater quality on a monthly basis for 6 months. Monitoring shall be undertaken for the parameters listed in Table S4.2. [of the original PPC permit issued 22/05/09]. A review of groundwater quality and groundwater flow direction shall then be undertaken and the results submitted to the Agency for approval. | 22/01/2010<br><br>Superseded by condition 3.1.3 |

| Table S1.3 Improvement programme requirements |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                          |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Reference                                     | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Date                                                                                                     |
| IC4                                           | <p>The Operator shall submit to the Agency for approval, proposals to install permanent landfill gas monitoring wells within the waste mass. These wells shall be constructed on a progressive basis as each cell is completed. The proposals shall include details of:</p> <ul style="list-style-type: none"> <li>the number and location of monitoring points;</li> <li>the construction methodology and design of the gas wells and;</li> <li>the timetable for their installation.</li> </ul> <p>The in-waste gas wells shall be installed as agreed in writing with the Environment Agency.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 22/07/2009                                                                                               |
| IC5                                           | The Operator shall submit to the Agency for approval, proposals for implementing an appropriate particulate matter and PM10 monitoring regime in accordance with Agency guidance. The programme shall then be implemented.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 22/08/2009<br><br>Completed<br>12/04/2013                                                                |
| IC6                                           | The Operator shall submit to the Agency for approval, a Training and Development Plan for the Installation which details how ongoing technical and professional development for staff is managed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 22/08/2009<br><br>Superseded<br>by condition<br>1.1.1                                                    |
| IC7                                           | <p>With regards to the wash waters in the washing plant on site, the operator shall:</p> <ul style="list-style-type: none"> <li>Throughout a 10-week period, undertake weekly quantitative monitoring of the wash waters in the washing plant. The wash waters should be sampled from various parts of the washing plant (including clean water tanks) and tested against a suite of determinants which must as a minimum include testing for: Arsenic, Boron, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Zinc, Chloride, Total Petroleum Hydrocarbons ("TPH"), Poly Aromatic Hydrocarbons ("PAH"), pH, Total Organic Carbon ("TOC"), BTEX (Benzene, Toluene, Ethyl-Benzene and Xylene) and Polychlorinated biphenyls ("PCB").</li> <li>Within 60 days of the final round of monitoring, provide a written report of the monitoring results to the Environment Agency for review. The report must also include details of the waste material inputs to the washing plant for each week of the 10-week monitoring period (including waste sources, codes and tonnages) plus identify any anomalous results, issues and problematic waste streams.</li> </ul> | Within 130 days from issuing Notice of Variation V005                                                    |
| IC8                                           | <p>Using the monitoring results obtained in accordance with improvement condition IC7 above the operator shall submit a written Wash Waters Management Plan for approval by the Environment Agency. The plan must:</p> <ul style="list-style-type: none"> <li>Establish proposals for how the wash waters will continue to be managed.</li> <li>Propose controls for waste acceptance for the purposes of minimising cross contamination of treated wastes/ materials.</li> <li>Propose a new wash water monitoring regime which must include: <ul style="list-style-type: none"> <li>The parameters/determinants to be monitored</li> <li>The maximum acceptable levels for those parameters</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Within 60 days following the Environment Agency's review of response to Improvement Condition IC7 above. |

| Table S1.3 Improvement programme requirements |                                                                                                                                                                                                                                                                                   |      |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Reference                                     | Requirement                                                                                                                                                                                                                                                                       | Date |
|                                               | <p>And,</p> <ul style="list-style-type: none"> <li>○ The frequency of monitoring.</li> <li>• Establish procedures for the removal of the wash water from the washing plant and site in situations where any wash water parameter exceeds the maximum acceptable level.</li> </ul> |      |

| Table S1.4 Pre-operational measures for future development |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference                                                  | Operation                          | Pre-operational Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PO2                                                        | Construction of new landfill cells | Where existing deposits of waste straddle the installation boundary, such as the waste shown on the south of section C-C1, on plan DESIDE 6B such wastes shall be removed down to the base, and any adjoining wastes that do not straddle the boundary (and which are not to be removed) shall be left in a stable manner. The removed wastes shown on section C-C1 that straddle the boundary, shall be redeposited to an appropriately licensed or permitted site or may be redeposited in the quarry void provided that the wastes are suitable inert waste to be used for the construction purposes. |

| Table S1.5 Annual waste input limits |                    |
|--------------------------------------|--------------------|
| Category                             | Limit Tonnes/ Year |
| Inert Waste for disposal             | 74,999             |

## Schedule 2 – List of permitted waste

| Table S2.1 Permitted waste types for disposal at a landfill for inert waste (AR1) |                                                                                                                                                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum quantity                                                                  | The total quantity of waste accepted for the above activity shall be no more than 74,999 tonnes a year                                                                         |
| Waste code                                                                        | Description                                                                                                                                                                    |
| <b>17</b>                                                                         | <b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>                                                                                   |
| <b>17 01</b>                                                                      | <b>concrete, bricks, tiles and ceramics</b>                                                                                                                                    |
| 17 01 01                                                                          | concrete                                                                                                                                                                       |
| 17 01 02                                                                          | bricks                                                                                                                                                                         |
| 17 01 03                                                                          | tiles and ceramics                                                                                                                                                             |
| 17 01 07                                                                          | mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06                                                                                        |
| <b>17 05</b>                                                                      | <b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>                                                                                      |
| 17 05 04                                                                          | soil and stones other than those mentioned in 17 05 03                                                                                                                         |
| <b>19</b>                                                                         | <b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b> |
| <b>19 02</b>                                                                      | <b>wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>                                                              |
| 19 02 06                                                                          | sludges from physico/chemical treatment other than those mentioned in 19 02 05 – filter cake produced by the onsite wash plant only                                            |
| <b>20</b>                                                                         | <b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>                                 |
| <b>20 02</b>                                                                      | <b>garden and park wastes (including cemetery waste)</b>                                                                                                                       |
| 20 02 02                                                                          | soil and stones                                                                                                                                                                |

| Table S2.2 Permitted waste types for Physical Treatment (AR2) |                                                                                                                                                                                           |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum quantity                                              | The total quantity of waste accepted at the site for activities AR2 and AR3 shall be no more than 150,000 tonnes a year                                                                   |
| Waste code                                                    | Description                                                                                                                                                                               |
| <b>17</b>                                                     | <b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>                                                                                              |
| <b>17 01</b>                                                  | <b>concrete, bricks, tiles and ceramics</b>                                                                                                                                               |
| 17 01 01                                                      | concrete                                                                                                                                                                                  |
| 17 01 02                                                      | bricks                                                                                                                                                                                    |
| 17 01 03                                                      | tiles and ceramics                                                                                                                                                                        |
| 17 01 07                                                      | mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06                                                                                                   |
| <b>17 03</b>                                                  | <b>bituminous mixtures, coal tar and tarred products</b>                                                                                                                                  |
| 17 03 02                                                      | bituminous mixtures other than those mentioned in 17 03 01 - road planings only                                                                                                           |
| <b>17 05</b>                                                  | <b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>                                                                                                 |
| 17 05 04                                                      | soil and stones other than those mentioned in 17 05 03                                                                                                                                    |
| 17 05 06                                                      | dredging spoil other than those mentioned in 17 05 05                                                                                                                                     |
| <b>17 09</b>                                                  | <b>other construction and demolition wastes</b>                                                                                                                                           |
| 17 09 04                                                      | mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03 - must not contain metals, wood, plastics, gypsum, plasterboard or plant materials |
| <b>19</b>                                                     | <b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>            |
| <b>19 12</b>                                                  | <b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>                                                     |
| 19 12 09                                                      | minerals (for example sand, stones)                                                                                                                                                       |
| <b>20</b>                                                     | <b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>                                            |
| <b>20 02</b>                                                  | <b>garden and park wastes (including cemetery waste)</b>                                                                                                                                  |
| 20 02 02                                                      | soil and stones                                                                                                                                                                           |

| <b>Table S2.3 Permitted waste types for Physical and chemical treatment (wash plant) (AR3)</b> |                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum quantity</b>                                                                        | <b>The total quantity of waste accepted at the site for activities AR2 and AR3 shall be no more than 150,000 tonnes a year</b>                                                            |
| <b>Waste code</b>                                                                              | <b>Description</b>                                                                                                                                                                        |
| <b>17</b>                                                                                      | <b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>                                                                                              |
| <b>17 01</b>                                                                                   | <b>concrete, bricks, tiles and ceramics</b>                                                                                                                                               |
| 17 01 01                                                                                       | concrete                                                                                                                                                                                  |
| 17 01 02                                                                                       | bricks                                                                                                                                                                                    |
| 17 01 03                                                                                       | tiles and ceramics                                                                                                                                                                        |
| 17 01 07                                                                                       | mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06                                                                                                   |
| <b>17 05</b>                                                                                   | <b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>                                                                                                 |
| 17 05 04                                                                                       | soil and stones other than those mentioned in 17 05 03                                                                                                                                    |
| 17 05 06                                                                                       | dredging spoil other than those mentioned in 17 05 05                                                                                                                                     |
| <b>17 09</b>                                                                                   | <b>other construction and demolition wastes</b>                                                                                                                                           |
| 17 09 04                                                                                       | mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03 - must not contain metals, wood, plastics, gypsum, plasterboard or plant materials |
| <b>19</b>                                                                                      | <b>Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use</b>            |
| <b>19 12</b>                                                                                   | <b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>                                                     |
| 19 12 09                                                                                       | minerals (for example sand, stones)                                                                                                                                                       |
| <b>20</b>                                                                                      | <b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>                                            |
| <b>20 02</b>                                                                                   | <b>garden and park wastes (including cemetery waste)</b>                                                                                                                                  |
| 20 02 02                                                                                       | soil and stones                                                                                                                                                                           |

## 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                                                                                                                                                                                                                                                                                  |
| BH3, plus any additional down-gradient monitoring boreholes as required in IC2 | Chloride            | 250mg/l                | Spot Sample      | Quarterly            | As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), <a href="#">risk assessments for your environmental permit (www.gov.uk)</a> , or such other subsequent guidance as may be agreed in writing with the Environment Agency. |
|                                                                                | Ammoniacal Nitrogen | 0.39mg/l               |                  |                      |                                                                                                                                                                                                                                                                                                                |
|                                                                                | Sulphate            | 250mg/l                |                  |                      |                                                                                                                                                                                                                                                                                                                |
|                                                                                | Magnesium           | 50mg/l                 |                  |                      |                                                                                                                                                                                                                                                                                                                |
|                                                                                | Cadmium             | 0.1µg/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 boreholes. Monitoring points to be agreed in accordance with IC4 | Methane               | 1% v/v                         | Monthly              | <p>As per LFTGN03 (September 2004) or such other subsequent guidance as may be agreed in writing with the Environment Agency.</p> <p>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.</p> <p>Record whether the ground is:<br/>waterlogged<br/>frozen<br/>snow covered</p> |
|                                                                                          | Carbon Dioxide        | no limit                       |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                          | Oxygen                | no limit                       |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                          | Atmospheric Pressure  | no limit                       |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                          | Differential Pressure | no limit                       |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| Table S3.3 Groundwater – other monitoring requirements |                                                                                                                                                                                                                      |                                                                |                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monitoring Point Ref./Description                      | Parameter                                                                                                                                                                                                            | Monitoring frequency                                           | Monitoring standard or method                                                                                                                                                                                                                                                                                                          |
| Up gradient<br>MPP                                     | Water Level, Electrical Conductivity, Chloride, Ammoniacal Nitrogen, pH                                                                                                                                              | Quarterly                                                      | As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), <u>risk assessments for your environmental permit</u> ( <a href="http://www.gov.uk">www.gov.uk</a> ), or such other subsequent guidance as may be agreed in writing with the Environment Agency. |
|                                                        | Total Alkalinity, Magnesium, Potassium, Sulphate, Calcium, Sodium, Chromium (VI), Copper, Iron, Lead, Nickel, Zinc, Manganese, Selenium, Cyanide, Cadmium, Total Organic Carbon (TOC), Total Oxidised Nitrogen (TON) | Annually                                                       |                                                                                                                                                                                                                                                                                                                                        |
|                                                        | Hazardous substances<br>Arsenic, Mercury, Benzene, Toluene, Ethyl Benzene, Xylene, Poly Chlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAHs)                                                         | Annually for first six years of operation then every two years | PAH analysis must include all the substances listed in EPR 2016, schedule 10, paragraph 2(d)                                                                                                                                                                                                                                           |
| Down or cross gradient<br>MPP                          | Water Level, Electrical Conductivity, Chloride, Ammoniacal Nitrogen, pH                                                                                                                                              | Quarterly                                                      | As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), <u>risk assessments for your environmental permit</u> ( <a href="http://www.gov.uk">www.gov.uk</a> ), or such other subsequent guidance as may be agreed in writing with the Environment Agency. |
|                                                        | Total Alkalinity, Magnesium, Potassium, Sulphate, Calcium, Sodium, Chromium (VI), Copper, Iron, Lead, Nickel, Zinc, Manganese, Selenium, Cyanide, Cadmium, Total Organic Carbon (TOC), Total Oxidised Nitrogen (TON) | Annually                                                       | PAH analysis must include all the substances listed in EPR 2016, schedule 10, paragraph 2(d)                                                                                                                                                                                                                                           |

| Table S3.3 Groundwater – other monitoring requirements |                                                                                                                                                              |                                                                |                               |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------|
| Monitoring Point Ref./Description                      | Parameter                                                                                                                                                    | Monitoring frequency                                           | Monitoring standard or method |
|                                                        | Hazardous substances<br>Arsenic, Mercury, Benzene, Toluene, Ethyl Benzene, Xylene, Poly Chlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAHs) | Annually for first six years of operation then every two years |                               |
| MPP                                                    | Base of monitoring point (mAOD)                                                                                                                              | Annually                                                       |                               |

| Table S3.4 Surface water – other monitoring requirements |                                                                                                                                                    |                      |                               |                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monitoring Point Ref. /Description                       | Parameter                                                                                                                                          | Monitoring frequency | Monitoring standard or method | Other specifications                                                                                                                                                                                                                                                                                                                  |
| Monitoring points to be agreed in accordance with IC1    | Volume collected in sump, pH, Electrical Conductivity, Temperature, Dissolved Oxygen, Ammoniacal Nitrogen Chloride, Nickel, Chemical Oxygen Demand | Quarterly            | Spot sample                   | As specified in Environment Agency Guidance LFTGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), <u>risk assessments for your environmental permit</u> ( <a href="http://www.gov.uk">www.gov.uk</a> ) 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.

| <b>Table S4.1 Reporting of monitoring data</b>                                 |                          |                                                 |
|--------------------------------------------------------------------------------|--------------------------|-------------------------------------------------|
| <b>Parameter</b>                                                               | <b>Reporting period*</b> | <b>Period ends</b>                              |
| Emission to groundwater<br>As specified by schedule 3, table S3.1              | Every 3 months           | 31 March, 30 June, 30 September,<br>31 December |
| Landfill gas in monitoring boreholes<br>As specified by schedule 3, table S3.2 | Every 3 months           | 31 March, 30 June, 30 September,<br>31 December |
| Other groundwater monitoring<br>As specified by schedule 3, table S3.3         | Every 3 months           | 31 March, 30 June, 30 September,<br>31 December |
| Other surface water monitoring<br>As specified by schedule 3, table S3.4       | Every 12 months          | 31 December                                     |

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

| <b>Table S4.2 Reporting Forms</b>                 |                                                                                                   |                     |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------|
| <b>Media/parameter</b>                            | <b>Reporting Format</b>                                                                           | <b>Date of Form</b> |
| Controlled water                                  | Form Water 1, or other reporting format to be agreed in writing with the Environment Agency       | 20/02/26            |
| Groundwater                                       | Form Groundwater 1, or other reporting format to be agreed in writing with the Environment Agency | 20/02/26            |
| Landfill gas                                      | Form LFG 1, or other reporting format to be agreed in writing with the Environment Agency         | 20/02/26            |
| 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 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>(b) Notification requirements for the breach of a limit</b>               |  |
| To be notified within 24 hours of detection unless otherwise specified below |  |
| Measures taken, or intended to be taken, to stop the emission                |  |

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

|                                                                                                |  |
|------------------------------------------------------------------------------------------------|--|
| <b>(c) Notification requirements for the breach of permit conditions not related to limits</b> |  |
| To be notified within 24 hours of detection                                                    |  |
| Condition breached                                                                             |  |
| Date, time and duration of breach                                                              |  |
| Details of the permit breach i.e. what happened including impacts observed.                    |  |
| Measures taken, or intended to be taken, to restore permit compliance.                         |  |

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

## Part B to be supplied as soon as practicable

|                                                                                                                                                        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Any more accurate information on the matters for notification under Part A.                                                                            |  |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident                                                                       |  |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission |  |

|                                                                                       |  |
|---------------------------------------------------------------------------------------|--|
| The dates of any unauthorised emissions from the facility in the preceding 24 months. |  |
|---------------------------------------------------------------------------------------|--|

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

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

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

“Annex I” means Annex I to the Waste Framework Directive.

“Annex II” means Annex II to the Waste Framework Directive.

“Annually” means once every year.

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

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

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

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

“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.

“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.

“D” means a disposal operation provided for in Annex I to the Waste Framework Directive.

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

“Emissions to land” includes emissions to groundwater.

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

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

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

“Hazardous substances” as defined by the Environmental Permitting (England and Wales) Regulations 2016, SI 2016 No.1154, schedule 22.

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

“Landfill infrastructure” means any specified element of the:

- Artificially established geological barrier;
- surface water drainage systems;
- groundwater monitoring boreholes;
- landfill gas monitoring boreholes.

“List of Wastes” means the list of wastes established by Commission Decision 2014/995/EC replacing Decision 1994/3/EC and 2000/532/EC establishing a list of wastes pursuant to Article 7 of Council Directive 2008/98/EC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“Liquids” means any liquid other than leachate.

“MPP” means the monitoring point plan, required 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.

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

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

“R” means a recovery operation provided for in Annex II to the Waste Framework Directive.

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

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

“Review of the Hydrogeological Risk Assessment” means a written review of the hydrogeological risk assessment included in the Application, together with any other parts of the Application that addressed the requirements of the EP Regulations. The review shall assess whether the activities of disposal or tipping for the purpose of disposal of waste authorised by the permit continue to meet the requirements of the EP Regulations.

“Waste code” – See “List of Wastes”.

“*Waste Framework Directive*” or “*WFD*” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

When the following terms appear in the waste code list in Schedule 2, table S2.1, S2.2 or S2.3, 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

Permit number  
EPR/WP3832LZ

# Reporting Forms

**Permit Number: EPR/WP3832LZ      Operator: Mone Brothers Limited**

**Facility: Blackhill Quarry      Form Number: Water1 / 20/02/26**

**Reporting of emissions to water (other than to sewer) and land for the period from DD/MM/YYYY to DD/MM/YYYY**

| Emission Point | Substance / Parameter | Emission Limit Value | Reference Period | Result <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|----------------|-----------------------|----------------------|------------------|-----------------------|----------------------------|--------------------------------------|----------------------------|
|                |                       |                      |                  |                       |                            |                                      |                            |
|                |                       |                      |                  |                       |                            |                                      |                            |
|                |                       |                      |                  |                       |                            |                                      |                            |
|                |                       |                      |                  |                       |                            |                                      |                            |
|                |                       |                      |                  |                       |                            |                                      |                            |

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.

Signed .....

Date.....

(Authorised to sign as representative of Operator)

**Permit Number: EPR/WP3832LZ**

**Operator: Mone Brothers Limited**

**Facility: Blackhill Quarry**

**Form Number: Groundwater1 / 20/02/26**

**Reporting of groundwater monitoring for the period from DD/MM/YYYY to DD/MM/YYYY**

| Monitoring Point | Substance / Parameter | Trigger level | Reference Period | Result <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|------------------|-----------------------|---------------|------------------|-----------------------|----------------------------|--------------------------------------|----------------------------|
|                  |                       |               |                  |                       |                            |                                      |                            |
|                  |                       |               |                  |                       |                            |                                      |                            |
|                  |                       |               |                  |                       |                            |                                      |                            |
|                  |                       |               |                  |                       |                            |                                      |                            |

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.

Signed .....

Date.....

(Authorised to sign as representative of Operator)

**Permit Number: EPR/WP3832LZ**

**Operator:**

**Mone Brothers Limited**

**Facility: Blackhill Quarry**

**Form Number:**

**LFG1 / 20/02/26**

**Reporting of landfill gas monitoring for the period from DD/MM/YYYY to DD/MM/YYYY**

| Monitoring Point | Substance / Parameter | Compliance limit | Reference Period | Result <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|------------------|-----------------------|------------------|------------------|-----------------------|----------------------------|--------------------------------------|----------------------------|
|                  |                       |                  |                  |                       |                            |                                      |                            |
|                  |                       |                  |                  |                       |                            |                                      |                            |
|                  |                       |                  |                  |                       |                            |                                      |                            |
|                  |                       |                  |                  |                       |                            |                                      |                            |
|                  |                       |                  |                  |                       |                            |                                      |                            |

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.

Signed .....

Date.....

(Authorised to sign as representative of Operator)