

# Notice of variation and consolidation with introductory note

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

---

Skanska Construction UK Limited, Costain Limited and Strabag AG-UK Branch

Waste Transfer and Treat Station  
Cophall South Site Office  
Ickenham  
Uxbridge  
UB9 6JL

### **Variation application number**

EPR/GB3301GY/V003

### **Permit number**

EPR/GB3301GY

# Waste Transfer and Treat Station

## Permit number EPR/GB3301GY

### 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. The schedules specify the changes made to the permit.

#### **Changes introduced by this variation notice:**

This permit variation has been issued to increase the treatment throughput of the site from 6,800 tonnes per day to 16,000 tonnes per day and to add four additional lime products from three new suppliers.

An updated Noise and Vibration Management Plan (NVMP) was submitted and approved as part of this variation.

#### **Brief summary:**

The Waste Transfer and Treat Station is located at National Grid Reference TQ 06517 87233 approximately 600m North-West of the outskirts of Ickenham, Uxbridge.

The site is permitted to undertake installations and waste operation activities. The main installations activity is for the physico-chemical treatment of soil and stone waste from the Tunnel Boring Machine (TBM) operating for the High Speed Rail 2 project. This activity is regulated under the Schedule 1, Part 2, Section 5.4 Part A(1) (a) (ii) of the Environmental Permitting (England and Wales) Regulations 2016 – Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment. Other activities that are directly associated to the main installation activity are:

- Storage of raw materials;
- Storage of waste;
- Collection and discharge of uncontaminated roof and surface waters; and,
- Collection and discharge to surface water of contaminated waters collected from the external waste storage and handling areas.

The waste will arrive on site on conveyors from the tunnel boring location at West Ruislip Portal. From here, through visual inspection, the waste will be directed into the lime treatment system (also referred to as a pugmill), directly into soil storage bins if not requiring treatment (due to low moisture content) or directly onto the return conveyor. Treated and untreated materials are kept segregated and a tracking system is in place noting the status (treated/untreated), volume and destination of all materials. The maximum storage capacity of the site is 30,000 m<sup>3</sup>.

During its operational lifetime this facility will receive an approximate total 2,500,000 tonnes of material from TBM arisings and is estimated to receive up to 16,000 tonnes per day dependent on the type of material the TBM is driving through. The amount of material will vary with the progress of the TBMs.

The surface water drainage on site is discharged to a pond nearby to the site following treatment using a silt buster.

The operator has management plans in place to ensure that the environment is protected from emissions to air, land and water. The installation and waste activities will be managed in accordance with an Environmental Management System (EMS). The EMS is ISO 14001 certified.

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>   |
| Application<br>EPR/GB3301GY/A001   | Duly made<br>14/02/2022 | Application for a waste treatment and transfer station to mix waste with lime.  |
| Additional information received  | 10/06/2022              | Schedule 5 response including updated dust and emissions management plan and noise impact assessment.   |
| Additional information received  | 08/07/2022              | Schedule 5 response including updated noise and vibration management plan and further updated noise impact assessment.  |
| Additional information received  | 29/03/2023              | Updated site boundary plan, non-technical summary, dust and emissions management plan, noise and vibration management plan received following changes to the site.  |
| Additional information received  | 05/05/2023              | Updated site operating plan, non-technical summary, dust and emissions management plan, noise and vibration management plan received following further changes to the site.   |
| Additional information received  | 02/06/2023              | Updated site operating plan, site boundary plan, non-technical summary, dust and emissions management plan, noise and vibration management plan received following further changes to the proposed site and activities. |
| Permit determined<br>EPR/GB3301GY  | 15/06/2023              | Permit issued to Skanska Construction UK Limited, Costain Limited and Strabag AG-UK Branch.   |
| Application<br>EPR/GB3301GY/V002   | Duly made<br>07/11/2023 | Application to increase the throughput of the site and change the regulated activity from a Waste Operation to an Installation activity.  |
| Additional information received  | 27/10/2023              | Best Available Techniques Assessment and Management Systems and Procedures.   |
|  | 14/11/2023              | ISO 14001 certificate.  |
|  | 03/01/2024              | Schedule 5 response including results of the H1 assessment.   |
|  | 08/01/2024              | Schedule 5 response including updated Best Available Techniques Assessment.   |
| Permit determined<br>EPR/GB3301GY<br>(PAS Billing ref. GB3301GY,<br>EAWML Billing ref. EAWML<br>404862). | 26/01/2024              | Permit issued to Skanska Construction UK Limited, Costain Limited and Strabag AG-UK Branch.   |
| Application<br>EPR/GB3301GY/V003   | Duly made<br>23/07/2024 | Application to increase daily throughput and add lime suppliers and products.   |
| Additional information received  | 19/09/2024              | Updated Noise and Vibration Management Plan (NVMP).   |

| <b>Status log of the permit</b>                               |             |  |
|---|-------------|--|
| <b>Description</b>  | <b>Date</b> | <b>Comments</b>  |
| Variation determined and consolidation issued<br>EPR/GB3301GY | 22/10/2024  | Varied permit issued to Skanska Construction UK Limited, Costain Limited and Strabag AG-UK Branch. |

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/GB3301GY

### Issued to

**Skanska Construction UK Limited** (“the operator”)

whose registered office is

**1 Hercules Way**

**Leavesden**

**Watford**

**WD25 7GS**

company registration number 00191408

and

**Costain Limited** (“the operator”)

whose registered office is

**Seventh Floor**

**70 St Mary Axe**

**London**

**EC3A 8BE**

company registration number 00610201

and

**Strabag AG-UK Branch** (“the operator”),

whose UK establishment office address is

**The Tower**

**3rd Floor 65 Buckingham Gate**

**London**

**SW1E 6AS**

company registration number FC030275 with UK establishment number BR015270

to operate a regulated facility at

**Waste Transfer and Treat Station**

**Copthall South Site Office**

**Ickenham**

**Uxbridge**

**UB9 6JL**

to the extent set out in the schedules.

The notice shall take effect from 22/10/2024.

| Name            | Date       |
|-----------------|------------|
| Marcus Woodward | 22/10/2024 |

Authorised on behalf of the Environment Agency

## **Schedule 1**

Only Tables S1.1, S1.2 and S2.1 have been varied by the consolidated permit EPR/GB3301GY/V003 as a result of the application made by the operator:

- Table S1.1, as referenced in condition 2.1.1, was varied to amend the processing capacity to no more than 16,000 tonnes per day.
- Table S1.2, as referenced in condition 2.3.1, was varied to add the updated Noise and Vibration Management Plan (NVMP).
- Table S2.1, as referenced in condition 2.3.3, was varied to add three additional lime suppliers and four additional lime products.

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/GB3301GY**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/GB3301GY/V003 authorising,

**Skanska Construction UK Limited** (“the operator”),

whose registered office is

**1 Hercules Way  
Leavesden  
Watford  
WD25 7GS**

company registration number 00191408

and

**Costain Limited** (“the operator”)

whose registered office is

**Seventh Floor  
70 St Mary Axe  
London  
EC3A 8BE**

company registration number 00610201

and

**Strabag AG-UK Branch** (“the operator”),

whose UK establishment office address is

**The Tower  
3rd Floor 65 Buckingham Gate  
London  
SW1E 6AS**

company registration number FC030275 with UK establishment number BR015270

to operate an installation at

**Waste Transfer and Treat Station  
Cophall South Site Office  
Ickenham  
Uxbridge  
UB9 6JL**

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

| Name            | Date       |
|-----------------|------------|
| Marcus Woodward | 22/10/2024 |

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, 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 or other approval issued by the Environment Agency.

### 1.2 Energy efficiency

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

### 1.3 Efficient use of raw materials

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

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

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
  - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
  - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.



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

## **1.5 Multiple operator installations**

- 1.5.1 Where the operator notifies the Environment Agency under condition 4.3.1 (a) or 4.3.1 (c), the operator shall also notify without delay the other operators of the installation of the same information.

## **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”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

### **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.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.2; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
  - (b) the composition of the waste;
  - (c) the handling requirements of the waste;
  - (d) the hazardous property associated with the waste, if applicable; and
  - (e) the waste code of the waste.
- 2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

## **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.

## **3 Emissions and monitoring**

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

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

### **3.2 Emissions of substances not controlled by emission limits**

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
  - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

### **3.3 Odour**

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
  - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **3.4 Noise and vibration**

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

## **3.5 Monitoring**

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

(a) point source emissions specified in table S3.1.

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

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 table S3.1 unless otherwise agreed in writing by the Environment Agency.

# **4 Information**

## **4.1 Records**

4.1.1 All records required to be made by this permit shall:

(a) be legible;

(b) be made as soon as reasonably practicable;

(c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and

(d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:

(i) off-site environmental effects; and

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

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 all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
  - (b) the annual production/treatment data set out in schedule 4 table S4.2; and
  - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 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 S4.4; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, 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.
- 4.2.5 Within 1 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.

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

4.3.4 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.

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

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

4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

## **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 "without delay", in which case it may be provided by telephone.

# Schedule 1 – Operations

| <b>Table S1.1 activities</b>        |  |   |   |
|-------------------------------------|--|---|---|
| <b>Activity reference</b>           | <b>Activity listed in Schedule 1 of the EP Regulations</b>   | <b>Description of specified activity and WFD Annex I and II operations</b>  | <b>Limits of specified activity and waste types</b>   |
| AR1                                 | S5.4 (a) (ii) - disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment | <p>Storage and treatment of non-hazardous waste prior to disposalD9: Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12</p> <p>D15: Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)</p> | <p>From receipt of Tunnel Boring Machine arisings to treatment of the waste.</p> <p>Treatment consisting of physico-chemical treatment of non-hazardous waste by solidification using lime.</p> <p>Treatment shall be carried out in an enclosed building or vessel and on an impermeable surface with sealed drainage system.</p> <p>No more than 16,000 tonnes shall be processed per day.</p> <p>Waste types as specified in Table S2.2.</p> |
| <b>Directly Associated Activity</b> |  |   |   |
| AR2                                 | N/A  | Raw materials storage<br>Storage of raw materials, mainly lime.   | From the receipt of raw materials to despatch for use within the facility.  |
| AR3                                 | N/A  | D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)  | Storage prior to despatch of the processed waste.<br>Storage shall take place on an impermeable surface with sealed drainage system.  |
| AR4                                 | N/A  | <p>Collection and discharge of uncontaminated roof and surface waters.</p> <p>Collection and discharge to surface water of contaminated waters collected from the external waste storage and handling areas.</p>  | <p>From the collection of uncontaminated roof waters to discharge.</p> <p>From the collection of contaminated site surface waters to discharge off-site via sealed drainage system.</p> <p>There shall be no mixing of uncontaminated and contaminated waters.</p>  |

| <b>Table S1.2 Operating techniques</b>                                       |   |                      |
|--|---|----------------------|
| <b>Description</b>   | <b>Parts</b>  | <b>Date Received</b> |
| Non-hazardous and inert waste: appropriate measures for permitted facilities | <ul style="list-style-type: none"> <li>- General management appropriate measures – all parts.</li> <li>- Waste pre-acceptance, acceptance and tracking – all parts.</li> <li>- Waste storage – all parts.</li> <li>- Waste treatment – all parts.</li> <li>- Emissions control – all parts.</li> <li>- Emissions monitoring and limits – all parts.</li> <li>- Process efficiency appropriate measures are not applicable to waste operations.</li> <li>- Waste minimisation, recovery and disposal – all parts.</li> </ul> | N/A                  |
| Further information received   | Site operating plan Version C02 – Reference 1MC04-SCJ_SDH-EV-PLN-SS05_SL07-000016, dated: 05/04/2023  | 27/10/2023           |
| Further information received   | Dust and emissions management plan Version C03 – Reference 1MC04-SCJ_SDH-EV-PLN-SS05_SL07-000013, dated: 10/05/2023   | 27/11/2023           |
| Further information received   | Management Systems and Procedures Version C02 – Reference 1MC04-SCJ_SDH-EV-PRO-SS05_SL07-000004, dated: 26/10/2023  | 27/11/2023           |
| Further information received   | Best Available Techniques Reference (BREF) Conclusions Checklist Version C01 – Reference 1MC04-SCJ-SDH-EV-REP-SS05_SL07-000023, dated: 02/01/2024   | 08/01/2024           |
| Further information received   | Noise and Vibration Management Plan Version C03.1 – Reference 1MC04-SCJ_SDH-EV-PLN-SS05_SL07-000015, dated: 19/09/2024  | 19/09/2024           |

| <b>Table S1.3 Improvement programme requirements</b> |  |   |
|--|--|---|
| <b>Reference</b>                                     | <b>Requirement</b>   | <b>Date</b>                               |
| IC1  | <p>The operator shall submit a written report to the Environment Agency for technical assessment and written approval.</p> <p>The report must contain:</p> <ul style="list-style-type: none"> <li>• The results from 12 months of sampling and monitoring of effluent discharges from the site via the emission monitoring points identified in Table S3.1 and at a frequency of a minimum of one sample a month.</li> <li>• Characterisation of the effluent monitoring including but not limited to the parameters listed in Table S3.2.</li> <li>• Evidence that the sampling and monitoring has been undertaken in line with the Environment Agency guidance: <a href="https://www.gov.uk/guidance/surface-water-pollution-risk-assessment-for-your-environmental-permit">https://www.gov.uk/guidance/surface-water-pollution-risk-assessment-for-your-environmental-permit</a> and to standards outlined in Table S3.2.</li> <li>• An updated H1 assessment and/or modelling results which take into consideration relevant environmental standards as specified in Environment Agency guidance 'Surface water pollution risk assessment for your environmental permit - GOV.UK (<a href="http://www.gov.uk">www.gov.uk</a>)'.</li> <li>• A comparison of the conclusions of the updated H1 assessment and/or modelling results with the conclusions of the H1 assessment submitted with the variation application number EPR/GB3301GY/V002.</li> </ul> | 27/01/2025                                |
| IC2  | <p>Where the results of the updated H1 assessment and/or modelling submitted in the report under IC1 show that significant/adverse impact is likely from the emissions of any of the parameters, the operator shall cease further discharge of the site effluent to surface water and shall provide proposals and timescales on how to manage the effluent to ensure discharges have insignificant impact on receiving waters.</p> <p>The operator shall implement the proposals in the report in line with the timescales as agreed in writing with the Environment Agency.</p>   | Within 3 months of the completion of IC1. |



## Schedule 2 – Waste types, raw materials and fuels

| Table S2.1 Raw materials and fuels |  |
|------------------------------------|--|
| Raw materials and fuel description | Raw materials and fuel description   |
| Lime                               | Manufacturer: Clogrennane Lime Limited<br>Product name: Limbase 60   |
|                                    | Manufacturer: Buxton Lime Limited<br>Product name: Limebase  |
|                                    | Manufacturer: Singleton Birch Limited (Melton Ross Quarries)<br>Product name: Quicklime – Finelime 2<br>Product name: Quicklime – Microlime 90 |
|                                    | Manufacturer: Tata Steel UK Limited<br>Product name: Cor-Stable Fine Lime  |
|                                    | Manufacturer: Lhoist UK Limited<br>Product name: GL Quicklime Bulk – Calcium Oxide   |

| Table S2.2 Permitted waste types and quantities for treatment and storage |  |
|---|--|
| Maximum quantity  | The total quantity of waste accepted at the site for the above activity shall be less than 2,500,000 tonnes a year.  |
| Waste code  | Description  |
| <b>17</b>   | <b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>   |
| 17 05   | soil (including excavated soil from contaminated sites), stones and dredging spoil   |
| 17 05 04  | soil and stones (excluding topsoil and peat) (TBM arisings)  |
| <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 03</b>  | <b>stabilised/solidified wastes</b>  |
| 19 03 07  | solidified wastes other than those mentioned in 19 03 06 (TBM arisings solidified with lime)   |

## Schedule 3 – Emissions and monitoring

| Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements   |                                   |   |                    |                  |                      |  |
|--|-----------------------------------|---|--------------------|------------------|----------------------|--|
| Emission point ref. & location   | Source                            | Parameter                                 | Limit (incl. unit) | Reference Period | Monitoring frequency | Monitoring standard or method  |
| W1 and W2  | Siltbuster 1 (W1) and Pond 1 (W2) | Total organic carbon (TOC)                | 60 mg/l            | Instantaneous    | Monthly              | EN 1484  |
|  |                                   | Total suspended solids (TSS)              | 60 mg/l            |                  |                      | EN 872   |
|  |                                   | Hydrocarbon oil index (HOI)               | 10 mg/l            |                  |                      | EN ISO 9377-2  |
|  |                                   | Arsenic (expressed as As) <sup>(2)</sup>  | 0.05 mg/l          |                  |                      | Various EN standards available (e.g. EN ISO 11885, EN ISO 17294-2, EN ISO 15586) |
|  |                                   | Cadmium (expressed as Cd) <sup>(2)</sup>  | 0.05 mg/l          |                  |                      |  |
|  |                                   | Chromium (expressed as Cr) <sup>(2)</sup> | 0.15 mg/l          |                  |                      |  |
|  |                                   | Copper (expressed as Cu) <sup>(2)</sup>   | 0.5 mg/l           |                  |                      |  |
|  |                                   | Lead (expressed as Pb) <sup>(2)</sup>     | 0.1 mg/l           |                  |                      |  |
|  |                                   | Nickel (expressed as Ni) <sup>(2)</sup>   | 0.5 mg/l           |                  |                      |  |
|  |                                   | Zinc (expressed as Zn) <sup>(2)</sup>     | 1 mg/l             |                  |                      |  |
|  |                                   | Mercury (expressed as Hg) <sup>(2)</sup>  | 5 µg/l             |                  |                      |  |
|  |                                   |   |                    |                  |                      |  |
| <p>(1) The averaging periods are defined in the General considerations.</p> <p>(2) The BAT-AELs only apply when the substance concerned is identified as relevant in the waste water inventory mentioned in BAT 3.</p> |                                   |   |                    |                  |                      |  |

## 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>Emission or monitoring point/reference</b> | <b>Reporting period</b> | <b>Period begins</b> |
| Point source emissions to water (other than sewer) | W1  | Every 6 months          | 1 January, 1 July    |
| Parameters as required by condition 3.5.1          | W2  | Every 6 months          | 1 January, 1 July    |

| <b>Table S4.2: Annual treatment</b> |              |
|-------------------------------------|--------------|
| <b>Parameter</b>                    | <b>Units</b> |
| Waste treated                       | tonnes       |

| <b>Table S4.3 Performance parameters</b> |                                |                |
|--|--------------------------------|----------------|
| <b>Parameter</b>                         | <b>Frequency of assessment</b> | <b>Units</b>   |
| Water usage                              | Annually                       | m <sup>3</sup> |
| Energy usage                             | Annually                       | MWh            |
| Raw material usage                       | Annually                       | tonnes         |

| <b>Table S4.4 Reporting forms</b>                  |   |                                     |
|--|---|-------------------------------------|
| <b>Parameter</b>                                   | <b>Reporting form</b>   | <b>Form version number and date</b> |
| Point source emissions to water (other than sewer) | Emissions to Water Reporting Form, or other form as agreed in writing by the Environment Agency           | Version 1, 08/03/2021               |
| Water usage  | Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency                  | Version 1, 08/03/2021               |
| Energy usage                                       | Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency                 | Version 1, 08/03/2021               |
| Other performance parameters                       | Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1, 08/03/2021               |

# Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

## Part A

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

|   |  |
|---|--|
| <b>(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution</b> |  |
| <b>To be notified within 24 hours of detection</b>  |  |
| 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>(b) Notification requirements for the breach of a limit</b>                      |  |
| <b>To be notified within 24 hours of detection unless otherwise specified below</b> |  |
| 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>                      |  |
| <b>To be notified within 24 hours of detection unless otherwise specified below</b> |  |
| 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> |                            |
| <b>Parameter</b>  | <b>Notification period</b> |
|   |                            |
|   |                            |
|   |                            |

|  |  |
|--|--|
| <b>(c) Notification requirements for the breach of permit conditions not related to limits</b> |  |
| <b>To be notified within 24 hours of detection</b>   |  |
| 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 for the detection of any significant adverse environmental effect</b> |  |
| <b>To be notified within 24 hours of detection</b>   |  |
| Description of where the effect on the environment was detected  |  |
| Substances(s) detected   |  |
| Concentrations of substances detected  |  |
| Date of monitoring/sampling  |  |

## **Part B – to be submitted as soon as practicable**

|  |  |
|--|--|
| Any more accurate information on the matters for notification under Part A.      |  |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident |  |

|  |  |
|--|--|
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission |  |
| The dates of any unauthorised emissions from the facility in the preceding 24 months.  |  |

|           |  |
|-----------|--|
| Name*     |  |
| Post      |  |
| Signature |  |
| Date      |  |

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

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

“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.

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“emissions to land” includes emissions to groundwater.

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

“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.

“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.

“impermeable surface” means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

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

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

“sealed drainage system” in relation to an impermeable surface, means a drainage system with impermeable components which does not leak and which will ensure that:

- no liquids will run off the surface otherwise than via the system
- all liquids entering the system are collected in a sealed sump, except where liquids may be lawfully discharged.

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

“Waste 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.

“year” means calendar year ending 31 December.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content "year" means calendar year ending 31 December.

'solidification' means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste



# Schedule 7 – Site plan



©Crown Copyright. All rights reserved. Environment Agency, 100024198, 2024.

END OF PERMIT

# Reporting Forms

## Emissions to Water Reporting Form

Permit number: *[EPR/AB1234CB]*

Operator: *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]*

Emissions to Water Reporting Form: version 1, 08/03/2021

Reporting of emissions to water (other than to sewer) for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

| <b>Emission point</b> | <b>Substance / parameter</b>         | <b>Emission Limit Value</b> | <b>Reference period</b>   | <b>Test method <sup>1</sup></b> | <b>Result <sup>2</sup></b> | <b>Sample dates and times <sup>3</sup></b>     | <b>Uncertainty <sup>4</sup></b>                           |
|-----------------------|--------------------------------------|-----------------------------|---|---------------------------------|----------------------------|--|---|
| <i>[e.g. W1]</i>      | <i>[e.g. Total suspended solids]</i> | <i>[e.g. 30 mg/l]</i>       | <i>[e.g. For 95% of all measured values of periodic samples taken over one month]</i> | <i>[e.g. BS EN 872:2005]</i>    | <i>[State result]</i>      | <i>[State relevant dates and time periods]</i> | <i>[State uncertainty if not 95% confidence interval]</i> |
|                       |                                      |                             |   |                                 |                            |  |   |
|                       |                                      |                             |   |                                 |                            |  |   |
|                       |                                      |                             |   |                                 |                            |  |   |
|                       |                                      |                             |   |                                 |                            |  |   |
|                       |                                      |                             |   |                                 |                            |  |   |
|                       |                                      |                             |   |                                 |                            |  |   |
|                       |                                      |                             |   |                                 |                            |  |   |
|                       |                                      |                             |   |                                 |                            |  |   |
|                       |                                      |                             |   |                                 |                            |  |   |
|                       |                                      |                             |   |                                 |                            |  |   |
|                       |                                      |                             |   |                                 |                            |  |   |

| Emission point | Substance / parameter | Emission Limit Value | Reference period | Test method <sup>1</sup> | Result <sup>2</sup> | Sample dates and times <sup>3</sup> | Uncertainty <sup>4</sup> |
|----------------|-----------------------|----------------------|------------------|--------------------------|---------------------|-------------------------------------|--------------------------|
|                |                       |                      |                  |                          |                     |                                     |                          |
|                |                       |                      |                  |                          |                     |                                     |                          |

**Signed:** *[Name]*

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

(Authorised to sign as representative of the operator)

---

**Guidance for use:** Use this form to report your monitoring results.

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

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

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

<sup>3</sup> For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.

<sup>4</sup> Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

## Water Usage Reporting Form

**Permit number:** [EPR/AB1234CB]

**Operator:** [A Company Name Limited]

**Facility name:** [Unit A, Anytown]

**Water Usage Reporting Form: version 1, 08/03/2021**

Reporting of water usage for the year [YYYY]

| Water source  | Water usage (m <sup>3</sup> )  | Specific water usage (m <sup>3</sup> /unit) <sup>2</sup>                                    |
|---|--|---|
| Mains water   | <i>[insert annual usage in m<sup>3</sup> where mains water is used]</i>                | <i>[insert annual usage in m<sup>3</sup>/unit where mains water is used]</i>                |
| Site borehole   | <i>[insert annual usage in m<sup>3</sup> where water is used from a site borehole]</i> | <i>[insert annual usage in m<sup>3</sup>/unit where water is used from a site borehole]</i> |
| River abstraction   | <i>[insert annual usage in m<sup>3</sup> where abstracted river water is used]</i>     | <i>[insert annual usage in m<sup>3</sup>/unit where abstracted river water is used]</i>     |
| Other – <i>[specify other water source where applicable. Add extra rows where needed]</i> | <i>[insert annual usage in m<sup>3</sup> where applicable]</i>                         | <i>[insert annual usage in m<sup>3</sup>/unit where applicable]</i>                         |
| <b>Total water usage</b>  | <i>[insert total annual water usage in m<sup>3</sup>]</i>                              | <i>[insert total annual water usage in m<sup>3</sup>/unit]</i>                              |

|                            |
|----------------------------|
| <b>Operator's comments</b> |
|                            |

**Signed:** *[Name]*

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

(Authorised to sign as representative of the operator)

---

**Guidance for use:** Use this form to report your annual water usage.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

## Energy Usage Reporting Form

Permit number: [EPR/AB1234CB]

Operator: [A Company Name Limited]

Facility name: [Unit A, Anytown]

Energy Usage Reporting Form: version 1, 08/03/2021

Reporting of energy usage for the year [YYYY]

| Energy source   | Energy consumption / production (MWh)                                   | Specific energy consumption (MWh/unit) <sup>2</sup>                          |
|---|---|--|
| Electricity imported as delivered - source [specify source, e.g. supplied from the national grid]   | <i>[insert annual consumption in MWh where electricity is imported]</i> | <i>[insert annual consumption in MWh/unit where electricity is imported]</i> |
| Electricity imported as primary energy 1 – conversion factor of [specify conversion factor used to convert electricity delivered to primary energy] | <i>[insert annual consumption in MWh where electricity is imported]</i> | <i>[insert annual consumption in MWh/unit where electricity is imported]</i> |
| Natural gas   | <i>[insert annual consumption in MWh where natural gas is used]</i>     | <i>[insert annual consumption in MWh/unit where natural gas is used]</i>     |
| Gas oil – conversion factor of [specify conversion factor used to convert tonnes to MWh]  | <i>[insert annual consumption in MWh where gas oil is used]</i>         | <i>[insert annual consumption in MWh/unit where gas oil is used]</i>         |
| Imported heat   | <i>[insert annual consumption in MWh where heat is imported]</i>        | <i>[insert annual consumption in MWh/unit where heat is imported]</i>        |
| Other – <i>[specify other energy source and conversion factors where applicable, e.g. renewable fuel. Add extra rows where needed]</i>              | <i>[insert annual consumption in MWh where applicable]</i>              | <i>[insert annual consumption in MWh/unit where applicable]</i>              |
| Electricity exported  | <i>[insert annual production in MWh where electricity is exported]</i>  | Not applicable   |
| Heat exported   | <i>[insert annual production in MWh where heat is exported]</i>         | Not applicable   |

|                            |
|----------------------------|
| <b>Operator's comments</b> |
|                            |

**Signed:**     *[Name]*

**Date:**       *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

---

**Guidance for use:** Use this form to report your annual energy usage.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

<sup>1</sup> Multiply delivered electricity by 2.4 to convert to primary energy where the electricity is supplied from the national grid. If the electricity is supplied from another source, specify the conversion factor used. Add additional rows as needed if electricity is imported from multiple sources.

<sup>2</sup> Divide energy consumption by an appropriate unit of raw material processed or product output.

## Other Performance Parameters Reporting Form

Permit number: [EPR/AB1234CB]

Operator: [A Company Name Limited]

Facility name: [Unit A, Anytown]

Other Performance Parameters Reporting Form: version 1, 08/03/2021

Reporting of other performance parameters for the period from [DD/MM/YY] to [DD/MM/YY]

| Parameter                              | Units                                    |
|--|--|
| <i>[e.g. Total raw material usage]</i> | <i>[e.g. tonnes per production unit]</i> |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

### Operator's comments



**Signed:** *[Name]*

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

(Authorised to sign as representative of the operator)

---

**Guidance for use:** Use this form to report the performance parameters (other than water and energy) required by your permit. Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. The parameters to report and units to be used can be found in the 'Performance parameters' table in schedule 4 of your permit. Add additional rows as necessary.