

Non-Technical Summary

213461/NTS



Overview

This Non-Technical Summary supports the permit variation application to vary the Inert Landfill activity at Reach Lane Quarry Landfill, Reach Lane Quarry, Bryants Lane, Heath and Reach, Bedfordshire, LU7 0AL. The site is operated by L.B. Silica Sand Limited and is centred at National Grid Reference SP9280028200. The site location is shown in drawing 213461/D/001.

The current permit (EPR/HP3094SQ) is for the Inert Landfill covering an area of 48.5 hectares (total void space 3,930,000 m³).

The variation proposes the following updates:

- Addition of EWC code 19 02 06 wastes from physico/chemical treatment of waste (mirror non-hazardous code) to the inert landfill activity approved EWC in Table S2.1 of the Permit.
- Addition of a new activity physico-chemical treatment of non-hazardous waste: a soil wash plant facility for non-hazardous and inert waste streams to produce aggregate and soil materials. The proposed annual throughput is 250,000 tonnes per annum. The range of aggregates and silt/clay will be recovered and used as a secondary material in the construction/development sector.

Landfill Activity

The 19 02 06 source will be primarily the clay / silt from the proposed aggregate and soil wash plant, with the potential for import of silt/clay from suitable external sites. The new EWC will be subject to importation criteria to meet inert criteria in accordance with the Landfill Directive and WM3 Guidance for disposal of waste to inert landfill.

There are no changes to the activity in principle to the inert landfill activity. There are no changes to the site operations, processing, tonnage, or restoration phases. The following documents have been updated to cover the details of the additional EWC code for the landfill operations:

- Importation Criteria (213461/LF/IP); and
- Environmental Setting and Site Design (213461/ESSD).

There is no requirement for a new Hydrogeological Risk Assessment (HRA). The last HRA was completed and approved by the Environment Agency in July 2020. The addition of one EWC code does not change the Conceptual Site Model and the EWC code must comply with the source term of inert WAC as per the existing approved assessment.

There is no change to the restoration design so there is no requirement for a new Closure & Aftercare Plan or Stability Risk Assessment. The permanent design point source emissions remain the same as per the existing restoration design.

Physico-chemical treatment of non-hazardous waste

The proposed treatment is physical treatment by soil wash plant to produce aggregate from imported non-hazardous and inert waste streams. There will also be intermittent crushing and screening from mobile plant for the resizing of oversize waste and material, and re-processing of aggregate, when required. The chemical aspect of the operations

The following documents have been provided to cover the details of the new activity application:

- BS4142 Noise Impact Assessment and Noise Management Plan (213461/NMP);
- Dust and Emissions Management Plan (213461/DEMP);
- Operational Plan (213461/OP) inclusive of waste acceptance procedures; and
- Environmental Risk Assessment (213461/H1ERA/SWP).

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Activity Cost

In terms of application cost, it is understood to be the following:

1.17.7 Inert Landfill – minor variation to include one EWC code - £3,961;
1.16.14 Physico-chemical treatment of non-hazardous for the soil washing activity – new application
£7,930;
1.19.5 Dust Emission Management Plan - £1,241; and
1.19.7 Noise Management Plan - £1,246.
Total = £14,378.