

# Non-Technical Summary

223212/NTS



## Overview

This Non-Technical Summary supports the permit variation application to vary Environmental Permit (EPR/KB3003LM) at Wickwar Quarry, The Downs, Wooton Under Edge, GL12 8LF. The site is operated by GRS Stone Supplies Limited. The site location is shown in drawing 223212/D/001.

The Environmental Permit is for the Inert Landfill activity covering an area of 19.7 hectares (total void space 4,700,000 m<sup>3</sup>).

The variation is for the following:

- Add a physico-chemical treatment of non-hazardous waste through a soil washing facility (including R3, R5 and R13 recovery codes). The proposed annual throughput is 150,000 tonnes per annum.

There are no changes to the inert landfilling activity. The soil washing facility covers circa 0.8 hectares and will produce high quality secondary aggregates, sands and silt/clay to be re-used in the construction/development sector. The operations are set out in the Operational Plan (223212/OP). The process will include manual / mechanical segregation, crushing, screening and washing.

The wash plant facility will be situated within the quarry void with a minimum of 10 m screening provided by the quarry walls. This creates a break in line of sight from the perimeter. This will significantly reduce noise. Furthermore, the nearest sensitive residential receptor is in excess of 800 m away from the operations. The proposed operation is located within an existing quarry, landfill and industrial area, primarily operated by Breedon Group, and the proposed noise profile is in keeping with the wider locale. The risk of noise from the proposed facility causing a loss of amenity is assessed to be very unlikely and the severity of impact, if it occurred, low. No further impact assessment for noise is considered necessary.

The facility will be situated in the north of the site on a platform constructed from the inert subsoils and mineral-based wastes. The facility will be located at 55 m AOD. The formation level has been set to allow access from the wider internal site haul routes. The construction of the platform will necessitate substantial import and until this is complete the geotechnical properties of the imported fill and its compaction cannot be determined. An investigation into the properties of imported fill will be completed prior to any construction of the new facility and a Stability Risk Assessment and foundation design/assessment will be undertaken to ensure suitable foundations for the infrastructure. This will be completed as an improvement condition before any works progress.

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

- Environmental Risk Assessment (223212/H1ERA/SWP).
- Operational Plan (223212/OP) inclusive of waste acceptance procedures; and
- Dust and Emissions Management Plan (223212/DEMP).

## Activity Cost

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

1.16.14 Physico-chemical treatment of non-hazardous– new application - £7,930;

1.19.5 Dust Emissions Management Plan - £1,241.

**Total = £9,171**