

**MARSHALLS MONO LTD**

**PASTURE HOUSE QUARRY, SOUTHOWRAM**

**BESPOKE RECOVERY PERMIT APPLICATION**

**WASTE ACCEPTANCE PROCEDURE**

**September 2021**

## 1.0 Introduction

Silkstone Environmental Ltd (SEL) have been appointed by Marshalls Mono Ltd (Marshalls) for a bespoke permit application at Pasture House Quarry for the importation of factory waste for the purposes of restoration to the planning permitted levels.

## 2.0 Waste Acceptance Procedure

It is estimated approximately 200,000 tonnes of imported inert material is required to achieve the planning permitted restoration levels.

At a proposed importation rate of 20,000 tonnes per annum, it would take approximately 10 years to complete.

The imported material consists of stone and sand sludge from the stone cutting operations. This material is currently mixed with as dug shales from the quarry and provides an inert restoration material replacing the sandstone mineral which has been previously extracted. The material is inert in nature and whilst is a sludge when tipped (with typically 25% moisture content) it sets hard and solid when allowed to dry out.

The waste recovery area and cross sections plan 20293/100 and 101 demonstrate the levels of fill required to achieve the planning permitted restoration contours.

The material to be used would continue to comprise of uncontaminated inert material which provides the required engineering criteria. The table below outlines the ECW waste codes we intend to import.

<b>Waste Code</b>	<b>Description</b>	<b>Source</b>
01 01 02	Wastes from mineral non-metalliferous excavation	Factory
10 13 14	Waste concrete and concrete sludge	Factory
17 05 04	Soil and stones	Excavation sites
20 02 02	Soil and stones	Excavation sites

Soil and stones is included in case further soil is required for restoration to provide adequate cover to provide a suitable growing medium.

The operator will ensure that material imported to the site is inert and non-hazardous in nature.

Inert material will be delivered to the site by rigid body HGV, and will be deposited at the area of restoration active at the time.

Each delivery of inert material shall be inspected by the operator to ensure that it is compliant with the waste types detailed above. Upon satisfactory inspection, the material will be deposited. The operator shall ensure that non-compliant waste is not accepted at the site.

Deposited material will be periodically checked by an independent engineer for compliance with the relevant standards.

Unsuitable waste materials shall not be accepted at the site.

### 3.0 Waste Types

Waste to be deposited at the quarry is sourced from Marshall's Mono Ltd own block manufacturing plant at the site. However, if some importation of soils is likely to be required for landscaping and for providing a suitable medium for growing grass and trees, then the following procedures will be adhered to.

Prior to deposition on site, the quarry operator must verify from the waste producer:

- Additional information on the waste producer's site e.g. Phase 1 Desk study, planning documentation etc. to provide confidence the waste provenance is well understood i.e. carries no risk of contamination and is well characterised.
- That the imported waste comes from a single source i.e. the producer is providing waste from their site only and no mixing of wastes from multiple sites is occurring prior to importation.
- The waste producer can provide certified Waste Acceptance Criteria (WAC) information pertaining to the waste source and that the WAC results characterise the waste as 'inert'. The recovery operator should satisfy themselves that there are sufficient quantity of WAC test results to suitably characterise the waste producer's site.
- Where possible, further geochemical contamination test results from UK accredited laboratories should also be provided. For example, contamination testing results and associated leachability results may provide a better overview and characterise the waste producer's site than a single WAC test result can.

Upon waste delivery to the quarry, the operator shall check that the waste producer has evidence to confirm the waste matches the description. Such evidence is listed below:

- Inspection of WAC testing results to ensure that waste material is appropriate for this category of landfill.
- Inspection of other chemical testing results, including leachability results to ensure that waste material being imported is clean and not contaminated.
- The EWC code for the delivered waste material is listed in the environmental permit.
- The carrier is a suitably licensed waste carrier and that the carrier licence is valid and current.
- A detail visual inspection is undertaken to cross verify that the documentation matches the waste delivered to site. The site operator should also verify that there is no visual or olfactory signs of contamination within the waste.
- Where the site reception attendant identifies a waste consignment as not being as described on the consignment note, then that waste shall be refused entry to the site. Where it is identified that a waste consignment is not listed in the permit list of EWC codes, then that waste shall be refused entry to the site.
- Where the visual inspection of the waste confirms the accuracy of the information on the consignment note, then a copy of the note shall be collected and filed.

After the initial inspection, each waste consignment shall be delivered to the waste reception area (hardstanding) in the base of the quarry void. The waste consignment shall then be discharged upon direct instruction by the site manager/supervisor and the following further checks are to be undertaken:

- Waste discharged onto the waste reception area shall be inspected by the site manager/supervisor to confirm it is as described on the waste transfer note. Where upon inspection of the waste, it is determined to be non-compliant with the waste description and EWC codes, the site manager/supervisor shall ensure the waste is back loaded onto the delivery vehicle. The waste delivery will then be turned away from the site and details of the waste rejection will be recorded.

- If waste is later identified as being potentially contaminated or not matching existing ECW codes, it shall be over excavated and moved to be stored in a sealed container (skip). The site manager shall arrange for collection of quarantined material and disposal off-site to a suitably licensed facility. Quarantined material will be stored outside of the quarry void until suitable arrangements have been made for its collection and disposal
- Waste returns shall be submitted by the site manager to the Environment Agency at the frequency stipulated in the environmental permit.
- A written record of all non-compliant waste incidents will be recorded and kept for the duration of the recovery activity and made available for inspection upon request.

Silkstone Environmental  
September 2021