PERMIT APPLICATION

BW Skip Hire Ltd

Anchor Works

Swinnow View

Bramley

Leeds

LS13 4TY

NON-TECHNICAL SUMMARY

Document Reference No. BWS/SV/NTS/1025

SJW Enviro Consulting Ltd

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1. Introduction

This document provides the non-technical summary for an environmental permit application by BW Skip Hire for their facility at Swinnow View, Bramley, Leeds, LS13 4TY.

A waste permit is required for the operations at the site. This application seeks a bespoke permit for the operation of a wash plant to produce aggregate, sand and soils from non-hazardous inert material and trommel fines.

2. Environmental setting

The site is located at Swinnow View, Bramley, Leeds with the site entrance being approximately 180 metres to the east of its junction with Swinnow Lane as marked by the blue star on the attached plan numbered BWS/SV/01, served at OS map reference SE235344. The immediate surrounding areas have mainly been developed for industrial and transport uses. The site is bounded by industrial premises to the west and south with scrub land to the north and east, beyond which is a railway line. Beyond the industrial units to the south lies the A647 Leeds ring road.

The site is not located within a surface water nitrate vulnerable zone. There are no known SSSI's in the vicinity of the site.

The superficial geology underlying the whole site, comprises of sedimentary superficial till deposits. The bedrock geology comprises predominantly mudstone, siltstone and sandstone of the Pennine lower coal measures formation.

The entire of the site has an impermeable concrete surface and is bunded around the whole area. The surface area drains to two sumps which have a submersible pump. All liquids collected in the sumps are pumped back into the dirty water tank of the wash plant where it is cleaned and re-used in the process.

3. Waste acceptance and processing

The site accepts non-hazardous material that can be washed to produce aggregates and sand. All waste arriving on site is weighed.

The total maximum amount of waste accepted at the site shall not exceed 200,000 tonnes per annum. The throughput of the site will be limited to a maximum of 1000 tonnes per day with the maximum amount of waste material stored on site being 10,000 tonnes. This daily quantity limit cannot be exceeded as this is the maximum amount of material the plant can process within the operating hours when working at full capacity.

Pre-acceptance procedures are in place to ensure that only waste that may be accepted under the environmental permit is directed to the site. All waste delivered to the site

will be checked by a suitably trained operative to ensure that only permitted waste is accepted. Any loads containing non-permitted waste will be rejected from the site.

When material has been accepted as fit for processing on site the driver is instructed to off load into the storage bays on the western edge of the site. Material is stored by type.

From the storage bays material is loaded into a hopper where it subject to a high energy screening process which helps break down the material. Oversized material is rejected and stored in a bay prior to being crushed for further processing. The remaining material then travels via conveyor belts to the washing and scrubbing process. This then produces three sizes of clean and contaminant free aggregates which are stored in bays.

The clay and silt remaining in the system then passes a cyclone separation machine which removes fill sand and grit sand which is also stored in separate bays.

The sludge and silt still in the system is then removed from the dirty water with flocculant and pumped to holding tanks while the water is cleaned and returned to the system. The sludge is pumped to the filter press where the remaining water is squeezed out producing a dry clay product that can be used in certain applications.

Aggregate and sand are removed from the bays adjacent to the wash plant and stored in larger bays along the southern edge of the site awaiting removal. Filter press clay is removed from site to landfill or other markets if these can be identified. Ferrous scrap metal is removed from the waste stream by a series of magnets on the conveyor belts, placed in skips and taken to the BW Skip Hire facility at Whitehall Road, Leeds for further processing.

4. Environmental protection and control measures

All waste transfer and treatment will take place on an impermeable pavement with drainage.

Material stored on site awaiting removal is all located on impermeable surfaces with drainage and contained within bays.

The site will be monitored by all staff with daily inspections by the technically competent manager.

Site staff will all be made familiar with the terms of the permit, Environment Management System and other management documents and what to do should issues arise.

All waste will be treated on a first in first treated basis to minimise storage times and prevent the build-up of waste on site.

The whole site drains to two sumps with submersible pumps which pump all the liquid back to the dirty water storage tank for cleaning and re-use within the wash plant.

5. Maintenance

The risk of unplanned breakdowns is minimised through the implementation of preventative and active maintenance being carried out. All plant and equipment maintenance are scheduled so that regular repairs can take place. This helps to ensure that plant and equipment are functioning correctly and potential faults are identified before they result in malfunction.

6. Environmental management system

BW Skip Hire Ltd have an appropriate environmental management system in place and will operate the site in accordance with the system. BW Skip Hire Ltd will have ultimate control over site operations, maintenance, staff competence and training, prevention of accidents, organisation, document management and records.

BWS/SV/01 – Site location plan