

OJ JONES & SON LTD
PENAMSER ROAD, PORTHMADOG

TREATMENT OF WASTE TO PRODUCE SOIL, SOIL
SUBSTITUTES AND AGGREGATES

OPERATING TECHNIQUES

Part 6
Permit Application

**CERI ENVIRONMENTAL
CONSULTING LTD**

Specialists in Waste & Environmental Management

SAWMILLS COTTAGE
SAWMILLS, KERRY
Nr. NEWTOWN,
POWYS SY16 4LL
Tel/Fax: 01686 670546
email: enquiries@cerienvironmental.co.uk

Version 2.0
May 2015

1.1 Specified Waste Management Operations

1.1.1 The specified waste management operations which are to be undertaken within the proposed permit boundary are :

- storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced) (R13)
- recycling or reclamation of organic substances which are not used as solvents, (R3)
- recycling or reclamation of other inorganic materials (R5)

The physical waste treatment will consist of screening, crushing and separation of waste into secondary aggregates and soils using crushing and screening plant. OJ Jones and Son Ltd aim to recycle and reuse as of the material as possible which they bring to their site.

1.1.2 The waste operations will be undertaken within the area outlined in green on Drawing number 1.

1.1.3 The facility is for the use of OJ Jones & Son Limited and is also open to third party general hauliers.

1.1.4 The aggregate and soil treatment and waste transfer operations will be undertaken outside on hardstanding. The surface drainage design (see Drawing No 12085/5001) utilises land drainage (600 mm wide by 600 mm min depth) along the east and western boundary of the development. The surface water is directed into the land drains through grading the hardcore surface to utilise a cross fall through the middle of the site at a gradient of 1 in 66. The surface water from the eastern boundary is then channelled to the western boundary.

At the western boundary all surface water is put through the bypass separator before discharging into a swale. The swale is separated into three sections in order to de-silt the surface water prior to final discharge to the realigned ditch. The swale is designed to always contain a minimum of 300mm of water in order to enhance the potential habitat of reptiles and water voles.

1.1.5 The total quantity of waste stored at the site will be 40,000 tonnes of aggregates and soils. The total quantity of waste accepted at the site per year will be less than 49,999 tonnes.

1.1.6 The site has an in house Environmental Management System (EMS) and intends to implement the WRAP Quality Protocol for the Production of Aggregates from Inert Waste.

2.1 General site operations

2.1.1 Site operations will be conducted in accordance with the in house EMS.

2.1.2 Site operations involve the delivery of waste soils, stones and construction materials. These materials are stockpiled until there is sufficient material to screen the waste. At the moment screening takes place on an ongoing basis during operational hours to ensure that material is screened at the optimum time for recycling ie material not too wet or dry. Once screened the material is stockpiled until sufficient to crush any oversized aggregate.

The treatment activities on site may include manual or mechanical sorting, separation, screening, crushing and blending and there may be metal removal with magnets if this proves to be needed to remove metal from concrete waste.

2.1.3 The risk assessment has shown that without any mitigation measures there is the potential for mud, dust and noise to be generated at the site. These hazards will be controlled by the EMS. However, to summarise control techniques will be employed as follows.

2.1.4 Control of Mud and Debris

Mud on the highways may result from vehicles leaving the site. The recycling area itself is surfaced with compacted hardcore which will reduce the risk of mud being tracked onto the highway. The access road and yard area will be monitored as part of the EMS for mud and in the event that mud is deposited on the highway outside the site entrance a road sweeper will be used to clean the road.

2.1.5 Control of Dust and Particulates

The following prevention and control measures will be implemented to ensure that the emission of dust and particulates are minimised at the site boundary:

Measures	Specification
Physical containment and controls	• Aggregate Waste treatment will not take place of very windy days. • Water will be used as a dust suppressant. • Vehicles will stay on hardstanding areas • Regularly clean and dampen down roadways • Dampen down stockpiles or cover them • Enclosure conveyors • Reduce drop heights
Monitoring	• Visual monitoring by site operator
Actions	• Implement specified prevention and control measures - damping down of waste or temporarily cease activities

2.1.6 Control of Noise

The following prevention and control measures will be implemented to ensure that the noise is minimised at the site boundary:

Measures	Specification
Operational procedures	• Use silencers on vehicles and plant • Site opening hours restrict noisy operations • Implement one way system to avoid reversing • Reduce drop heights for waste • Monitor noise levels at different places and times • Maintain equipment • Enclose or abatement eg acoustic screens • Switch noisy plant off when not in use
Monitoring	• Any complains regarding noise will be investigated by site operator
Actions	• Implement prevention and control measures such as extra plant maintenance, acoustic screening, maintenance of yard area to avoid ruts, reducing or stopping noisy activities • Any changes to ongoing operations will be implemented as necessary and EMS amended

2.1.7 Surface water

The drainage system at the site will be inspected on a regular basis in accordance with the EMS. It will be maintained so that it is fit for purpose. The by pass separator will be inspected as part of this regime and will be emptied as required. A visual inspection will be made of the surface water discharge point to ensure that it is free from visible suspended solids.

2.1.8 Any complaints received regarding the operation of the waste management facility will be investigated immediately by the site

management and the Agency will be informed of the complaint and the remedial action to be taken forthwith.

3.1 Waste Acceptance and Control Procedures

3.1.1 OJ Jones & Son Limited is a haulage company. As part of its operations as a haulage contractor the company often provides a service for its customers where waste materials such as soils, stones and construction wastes, which are suitable for recycling into secondary aggregates, need to be taken off a development site for disposal or recycling. With their own facility they will be able to provide a better recycling option for customers.

There will be excellent control over waste inputs with all sources being known to the operator. As a result the quality of the outputs will be consistent and will be to a quality standard. There are ready markets for these products.

3.1.2 In the unlikely event that any unauthorised waste or potentially contaminated waste is identified once a vehicle has entered the site the unauthorised waste will be segregated and the source of the waste investigated. If necessary samples will be taken and analysed for an appropriate suite of determinands before the waste is processed.

If the material proves not to be suitable for reprocessing it will be removed to a suitability permitted facility as soon as is practicable.