

Material recovery and Waste Water management Statement



Scope of work

This Statement refers to ' Land on the south side of Mill Rythe Lane, Hayling Island, Hampshire PO11 0QG', which has been purchased by Brenchley Civil Engineering with the aim of become Brenchleys Plant depot training centre and material recycling yard. The land was formerly Howard Car Spares, a car dismantling yard. Brenchley are applying to change its use to a depot and training centre with permission to recycle spoils from excavations etc. They intend to import inert, non hazardous waste (comprising soil, concrete and tarmac breakout), to segregate the waste types and where possible recycle it.

This statement is intended to highlight the environmental and licensing considerations that will be addressed with regards to waste handling and recycling on the site and waste water management issues.

Surface Water/Rainwater Collection and Drainage

The site has an existing drainage system for surface water which it is proposed will be modified. The waste water will pass through a sediment trap, oils, fats and grease interceptor and then be pumped to the storage tanks or away to drains. The sediment trap will be designed so that a digger can empty periodically and the Interceptor will be maintained according to instruction.

Rainwater Harvesting; water falling on the roof of the main building will be filtered, collected and stored.

The water will be stored in a network of water containment units within the walls to the south of the site and will have pump sets to discharge to the irrigation system or tanker. A sump pump station may be required if the tank network require it

- Harvestable volume – 448,000l (448 m3 from roof)
- Storage capacity – 78.000l (78m3)

Irrigation and water suppression System : should the application be successful a bespoke water spray suppression system will be designed and installed to ensure any dust created by the recycling and material recovery facility will be fully controlled, the system will utilise the collected surface water stored on the site.

Surface Water Collection: some of the drains have a build up of sludge, all loose material will be cleaned out. The interceptor will then trap any material and/or hydrocarbons that do become mobile within the drains system.

The majority of this water will be reused on site for damping-down the recycling process or for providing a water resource for tankering away and use elsewhere. Excess water that cannot be stored will pass through the existing drainage network which ultimately ends up discharging to Chichester Harbour. A Permit to Discharge Trade Effluent is required by the Environment Agency (EA) to permit this activity and is discussed below.

Noise Output levels: The equipment used for crushing the recovered material will be a Red Rhino MG 7005 mini crusher the noise output levels for this machine are shown in the attached noise report in addition a drawing has been produced (A108) showing the noise reduction over distance. This indicates that the noise levels in the industrial area will be know loader than other activities already in place in the industrial area and will be at normal suburban levels outside the industrial area.

Licence to Discharge Trade Effluent

Preliminary enquiries with the Environment Agency have identified an existing Consent to Discharge Trade Effluent comprising site drainage from Howards Car Spares to Chichester Harbour. This licence is currently in the name of Mrs Catherine Howard. Brenchley have been given a copy dated Sept 1998 (Ref: P.7146/H/98) which is the name of Mr F Howard (now deceased) but it is understood the terms of the licence are unchanged.

The licence makes a number of requirements including maintaining the outlet point (SU 7261 0120), the limit on the discharge to 5 Mg/L as total hydrocarbons, the nature of the interceptor and the provision of a sampling point for Agency officers.

A conversation with the Environment Agency has indicated that providing the discharge point and interceptor for the removal of accumulated oil and sediment are maintained, and all other conditions of the licence can be met, the license can be transferred to the new land owners. Two forms need completing for this change; EA Bespoke Permit to Discharge Part A with the new operator's details and Part D1 for the previous operator to sign it over. There is an annual subsistence charge for this permit although we have not been able to determine the amount.

It is understood that the current interceptor is located off site and Brenchley propose to install a new one on the site. Due to the sensitive nature of Chichester Harbour a Full Retention Interceptor will be installed as is required by the EA.

SPELPuraceptor Series PO80/1CSC

Comprising of:-

- 2700mm Diameter x 5700mm Long
- Full Retention Interceptor
- 4444 m2 Catchment Area
- Inlet Invert; 425mm
- Base to Inlet; 2625mm
- Base to Outlet; 2525mm
- Max inlet/outlet pipe; 300mm

Licence to recycle waste

In order to carry out material recovery and recycling, a license needs to be obtained from the Environment Agency. A bespoke licence is required as the site lies within 500m of Chichester Harbour, which has numerous environmental designations including; a SSSI, RAMSAR site and Area of Outstanding Natural Beauty.

The application required is for a bespoke permit for the treatment of waste to produce soil, soil substitutes, road-stone and aggregate up to 75, 000 tonnes. This is classified as a tier 2 bespoke permit, which means it is the same as the standard rules SR2010No12 but due to the sensitive location a standard application is not applicable. The sections that needs completing are Part A, Part F1, Part B2 and Part B4.

According to the Environment Agency guidance the application fee payable to the Environment Agency for

SR2010No12 (where the facility complies with the standard rules condition but requires assessment due to location) is £2570. This needs to be submitted with the application. There is an annual subsistence fee associated with this license of £1540 per year, payable every April. All these charges are exempt from VAT.

Should the planning application be successful this licence will be applied for and all the necessary conditions fully complied with. This will include the Quality Protocol (from WRAP guidance notes).

Below are a list of the WRAP requirements for the transfer and acceptance of waste, all of which will be fully complied with as part of Brenchley Civil Engineering Protocol and processes

- If transporting waste, including waste from your own construction, excavation and demolition operations, you must have a Certificate of Registration as a waste carrier licence.
- If you are accepting waste from others and for all residues leaving your site as waste, you must use Waste Transfer Notes (WTNs). You are required to keep WTNs for at least two years.
- You must set up specific site/location Acceptance Criteria procedures for the incoming waste. Acceptance criteria must include a list of wastes that are accepted. You must use the same codes used in the Waste Transfer Notes, i.e. referring to the List of Waste Regulations / European Waste Codes. (http://www.environment-agency.gov.uk/static/documents/Leisure/EWC_31-03-09_CH.pdf)
- The process of waste acceptance, to be described in your Acceptance Criteria, is at a minimum a visual inspection of the incoming wastes at receipt (either at the weighbridge or on site of arising) and at tipping/stockpiling. This is important as contaminations may be hidden in the bulk of the load. A procedure for non-conforming incoming waste must be set up.