

Waste Recovery Plan

Crymych Recycling Centre, Heddannedd, Crymych, Dyfed, SA41 3RJ

1.0 Introduction

This waste recovery plan details the method to be adopted and the control measures to be implement for the safe recovery, transportation, and laying of suitable structural fill at the Crymych Recycling Centre Dyfed. *The purpose of this operation is to increase the surface area for the recycling operation and to make a suitable level plateau for the new works. The existing terrain of the new Crymych recycling facility is undulated and falls steeply, making it unstable for work and storage of materials and therefore unsuitable in its current state.* The site won material is to be used to form a level area for a future waste recovery facility. Inert hard material will be won from the ground at the near by Cowlin Construction development, processed on site to remove all materials over 50mm in size and transported to the New Crymych Recycling Centre some 500m away.

Material in areas of cut at the Cowlin Construction Development is suitable without treatment for reuse, since it is virgin material and is being recovered to reduce the levels on the development for further use. The site won material at the Cowlin Construction development is suitable for use at the Crymach Recycling Centre; it is both geotechnically and chemically sound respectively, originating from natural stone deposits. *All material from the Cowlin Construction Development will be pre-screened, prior to being transported to the new Crymych recycling facility and only the fine material 0mm to 50mm will be used as structural fill on the new Crymych recycling facility. This residual fine structural fill (0mm to 50mm) will be classified with the European Waste Catalogue Code of 17 05 04.*

The New recycling centre already has in place a standard rules permit SR/2010/No12 and has the benefits of full planning permission from the local authority being already in place.

It is intended to use Crymych Recycling facility as a fully licensed recycling facility for recycling inert construction waste (concrete, masonry debris,

bituminous tarmac and road planings, subsoils and topsoils, to serve the local construction market. These inert construction products will be treated and certified to make suitable construction aggregates and soils for re-use in the local construction industry. The area of land that the permit application is being made for is an undulating field located on a new industrial estate running parallel to the A478 and is well screened from public view.

The proposed area of land is screened from the countryside by established hedgerow and trees and from the Industrial Estate side by a new vegetation planting scheme, thereby reducing the potential of visual, noise, or dust risks on the surrounding environment. Prior to work commencing an environmental risk assessment will be developed and briefed to all persons involved in the operation.

The proposal is to build up the existing ground level to make a level plateau for the new recycling facility, making maximum usage of the existing area. The level of the proposed area will only be raised to blend in with the existing surrounds and sufficient to form a level plateau.

The structural fill will be sourced from a local development and comprises of inert virgin rock, which is being broken out for the construction of a new school. All material will undergo a pre-screening (50mm – 0mm) to remove any oversize material, prior to being transported to the new recycling facility

The quantity of inert pre-screened material required would only be sufficient to construct the level plateau for the new recycling facility and “NOT TO” mealy to act as a disposal area for inert waste material. The maximum proposed volume would be in the region of 8 000 tonnes. *The fill area is 100m long by 20m wide and has an average depth of 2m deep, we propose extending the plateau and constructing a new batter of similar slope as the existing ground profile. The new structural fill will be placed in 150mm layers and compacted with 8 passes of a bomag roller to require compaction levels and to prevent settlement of the new fill. The structural fill will be placed to Highways Earthworks Specification MCHW Volume 1 Specification to Highways Works –Series 600 Earthworks* This pre-screened inert material (50mm – 0mm) will be checked prior to being

transported to the proposed permit area. All material entering the proposed area will be checked by a suitably qualified experienced person and only material that is classified as being inert will be allowed to enter the proposed permit area.

The material once delivered to site will be placed in 150mm layers and compacted to form a level plateau for the new recycling centre. A 1 in 3 batter will be formed to take any run off from the new plateau and a drainage ditch constructed at the toe of the batter to transfer all run off to a filter stone interceptor and settling sump. All surplus water will be re-used on site for dust suppression and road cleansing. Once the ground is constructed to its design level the new infrastructure will be installed for the new recycling centre.

2.0 Methodology

- 2.1 The permit holder Gary Evans proposes using an experienced contractor to carry out the works. Tom Prichard Contracting, have many years experience working on environmental management schemes and dealing with waste exception licences and environmental permits. The initial process will be for the contractor to remove the existing 50mm to 0mm soil from the local Cowlin Construction site and transport the same to the new Crymych recycling facility.
- 2.2 On receiving waste material a visual inspection will be carried out by the contractor to ensure all delivered materials meet the requirements of the Environmental Permit. On no account will any non-conforming material be used on site.
- 2.3 An inspection of the fill area will be made prior to placing any imported material.
- 2.4 No standing water will be permitted in the vicinity of any filling operations
- 2.5 The exiting water course will be protected at all times and all run off water will be collected in a cut of ditch and transported to a settlement sump via a terram wrapped filter stone interceptor.
- 2.6 Only inert, pre-screened material will be placed in the fill area
- 2.7 Approximately 8 000 tonnes of imported, inert, pre screened material 50mm to 0mm will be placed in the fill area to form the level plateau.
- 2.8 The imported fill will be levelled laid out in 150mm layers and compacted to minimise any settlement and to form a uniformed surface tying in with the existing surrounds.

3.0 Other Considerations

- 3.1 The ground condition of the field in its present condition has become heavily compacted and very difficult to work safely and economically due to the many undulations, the proposed work will restore the field back to its original state and will maximise suitable land take for our new proposed recycling operations.
- 3.2 The application is only to use inert fill which will be laid to a level that blends in with the existing surrounds and level with the toe of the adjoining roads and approaches to the Site.
- 3.3 No trees or hedgerows will be affected by these filling operations and existing hedgerows will be used for screening purposed.
- 3.4 No skip lorries or other companies will be using the requested field, it will be for the sole use of Gary Evans and his contractor for executing the levelling works.
- 3.5 The nearest dwelling to the field is located in the village of Crymych and is some way from the proposed development. There will be limited or no environmental impact on any other properties in the area.
- 3.6 Hours of operations will be weekdays 7:30am to 6:30pam and weekends 8:00am to 6:00pnm
- 3.7 Traffic movements along the A487 are generally buoyant especially during the summer months and the haulage movements to the field will not restrict users of A487 road.
- 3.8 Wheel-washing facilities will be provided to ensure that no road lorry leaving the field will deposit any debris on the road.

3.9 All road way between the Cowlin Construction development and the Crymych recycling centre will be maintained and cleaned at all times

3.10 There are no drainage systems or water courses within the vicinity of the fill that could be affected by any surface run off and all run off will be controlled and where practicable re-used on site.

3.11 On completion the finished level of the ground would reflect the surrounding topography and when work is completed will blend in with the surrounding agricultural scenery