

Recovery v Disposal Advice record

Name and contact details of Officer giving the advice	Hannah Loughlin Hannah.loughlin@environment-agency.gov.uk
Name of the proposed operator	Mrs Delyth Evans
Name of the site	Parc Gwynfryn Recycling Centre
Document reference for the submitted waste recovery plan	Waste recovery plan
Outline of the proposals for waste recovery including the main issues permitting officer considered:	
Use of waste for fill in order to for a base for further expansion of recycling centre.	
Advice given to Applicant:	
1, Is there a clear benefit to from the activity. The proposal seems to be for the use of waste as fill in order to be able to further expand the recycling centre. The operator has not stated what the benefit of the filling of this area would other than to provide a level surface. Is there a requirement to extend the recycling centre? Are there definite plans for the expansion of the centre. <i>We are working collaboratively with Cowlin Construction, to use surplus inert waste from their construction site some 500m away. The material is virgin rock, excavated from the ground to construct a new primary school. The material has been pre screened, with all over 50mm particles remaining on site for further re-use and the residual 50mm to 0mm being transported to the new Crymach Recycling facility to increase the surface area for the recycling operation and to make a level plateau for the new works. The current terrain of the new Crymach recycling centre is undulated and fall steeply, making it unsuitable in it present state. The imported fill will act as structural fill for the site, giving additional benefits by preventing it going to landfill and reducing the carbon footprint by only hauling it 500mm apposed to 10 miles to the nearest landfill</i> 2, Is the recovered waste material suitable for it's intended use? The operator has not fully detailed which waste streams they are intending to use. <i>The only waste stream being used for the facility is pre-screened structural fill from the local Cowlin's development. All material will be pre screened with a grading of 50mm to 0mm. We require you to list all waste streams and associated EWC codes.</i> <i>Inert fines from pre-screened rock 50mm to 0mm EWC Code 17 05 04</i> Operator has just stated that inert rock from a construction site will be used. <i>Residual fines 50mm – 0mm form pre-screened virgin rock excavated from local construction works</i> 3, Is the minimum amount of waste being used to achieve the intended benefit? The operator has stated 8000 tonnes will be used. <i>Approximately 8 000 tonnes of inert pre-screened fines 50mm to 0mm won from inert rock</i> Without knowing the size of the area to be filled and the depth of fill. Cross sections show a maximum depth of 2 metres but the waste recovery plan states a number of different depths ranging from 0 to 150 mm. <i>The fill are is 100 m long by 20m wide and has an average depth of 2m, 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 layer and compacted with 8 passes of a bomag roller to require the correct compaction levels and to prevent settlement of the new fill</i>	

We can not establish if the minimum amount of waste is being used to undertake the work without confirmation of the size of the area and the total depth of fill.

The quantity of new structural fill would be 100m long by 20m wide and 2 m deep giving a volume of 4 000m³ or 8 000 tonnes.

4, Is the waste being used as a substitute for a non waste material?

This question has not been addressed.

The pre-screened waste material is being used as a substitute for imported Quarry won aggregates and has the benefits of using nearby existing products , which otherwise would go to landfill elsewhere and reduced the amount of natural aggregated being used. There by reducing the carbon foot print.

5, Will the proposal be completed to an appropriate standard?

This question has not been addressed.

All works will be completed to the Highways Earthworks specification

MCHW Volume 1 Specification to Highways Works – series 600 Earthworks

The applicant is advised that based upon the information provided we can not assess whether this activity is recovery or disposal. The applicant is advised to read RGN 13 Defining waste recovery: permanent deposit of waste on land and to revise the plan to full address all five questions outlined above which are also included in RGN 13.

The whole process is a recovery process, winning rock from the Cowlin's Construction Site. Pre-screening the material to remove all material in-excess of 50mm, and storing for re-use on site. Removing the pre-screened fined 50mm to 0mm and transporting to the New Crymach recycling facility and using as structural fill 6F1.

Also the operator has applied for SR2010 No8 100,000 tonnes but is only proposing to use 8000 tonnes. Would SR2010 N07 50,000 be the more appropriate permit for this operation.

The works in question are enabling works for the new Crymach recycling centre and the applied permit will cover the operation facility

Date advice given: 12/09/12

Time Spent (minutes): Total 90