

Recovery v Disposal Advice record - Version 2

Name and contact details of Officer giving the advice	Luke Burton Waste Permitting Officer Tel: 02920 466291 E-mail:luke.burton@naturalresourceswales.gov.uk Malcolm Dines Environment Officer Tel: 03000 653403 Email: malcolm.dines@naturalresourceswales.gov.uk
Name of the proposed operator	Ceredigion County Council
Name of the site	Borth Former Landfill Site, Ynys Fergi, Borth, SY24 5NA
Document reference for the submitted waste recovery plan	EPR/PB3990HS/A001
Outline of the proposals for waste recovery including the main issues permitting officer considered:	
This waste recovery plan is for: Infilling of depressions and voids on the top layer of a closed landfill. Infilling will achieve a domed profile, in line with the sites drainage design, as per planning approval. The proposal will use 33, 340 cubic meters of waste material. This waste recovery plan is at the pre-application stage and this advice note refers to information submitted in response to the 1st Recovery vs. Disposal advice note, sent on 09/03/15. The applicant submitted a standard rule permit application, which included an un-approved waste recovery plan, on 07/04/14. The application and waste recovery plan was returned on 17/06/14, as the waste recovery plan had not been assessed and the proposed site did not meet the standard rule set criteria. The first submission of an updated waste recovery plan, which was included in a bespoke permit application package (EPR/PB3990HS/A001), received on 29/01/15, was reviewed and referred to in Recovery v Disposal Advice record – Version 1 (09/03/15). The applicant has been informed that this waste recovery plan will be assessed as part of pre-application and that the application (EPR/PB3990HS/A001) can only continue if the waste recovery plan is assessed as recovery. • RGN 13 – Refers to Regulatory Guidance Note 13: Defining Waste Recovery: Permanent Deposit of Waste on Land. Available at the following link.	
Key	
Yes – Enough information has been supplied to aid us in making our decision	
Additional information required – Further information is required for us to make our decision	
No – The information provided would suggest the operation is disposal	

Is there a clear benefit from the activity? – YES

YES – Proposal will bring closed landfill in line with conditions for the final landscaping of the site, as set out in the Planning Approval.

YES – The waste recovery plan states that in its current unfinished state, an excess of water is passing through the surface, into the substrata causing an excess of leachate to flow through the drainage system making the treatment system inefficient...the proposal will enable the site to be contoured to the designed slopes so that natural run off of surface water will discharge into perimeter ditches, rather than soaking into the refuse material...when completed the leachate treatment plant should deal with less effluent each year.

YES – The waste recovery plan notes that there will be the possibility of using the site as a public amenity site in the future after the restoration is completed.

YES – The waste recovery plan contains the planning approval which shows the conditions relating to the final landscaping scheme/drainage design.

Is the recovered waste material suitable for its intended use? – ADDITIONAL INFORMATION REQUIRED

YES - Proposed wastes to be used in the proposal (EWC 17 05 04, 19 12 12 and 20 02 02) are all featured in Appendix 2 of RGN 13.

YES - Wastes EWC 17 05 04 and 20 02 02 are suitable for use as structural fill for building and drainage, as per Appendix 2 of RGN 13.

YES – Waste EWC 19 12 12 will be periodically tested to ensure safe levels of hydrocarbons and other substances ... waste will be dewatered and trommled, to remove stones or litter.

YES – Waste EWC 19 12 12 will be graded into two distinct soil types... material passing a 40mm sieve for use as sub soil and material passing a 10 mm sieve for use as a top soil layer.

YES – Chemical analysis and particle size distribution tests have been undertaken on random samples of waste EWC 19 12 12, prior to treatment, and show that the waste will contain the necessary nutrients to sustain the growth of the plants proposed.

ADDITIONAL INFORMATION REQUIRED – The waste recovery plan notes that EWC 17 05 04 and 20 02 02 may also be used to carry out the work. Please confirm the 'necessary specifications; you refer to i.e. grading, if it will be physically screened, tested and the source of this material e.g. uncontaminated soils.

ADDITIONAL INFORMATION REQUIRED – Your waste recovery plan states that the primary benefit of your proposal is to prevent water running through the landfill. If you wish to use EWC 19 12 12 as structural layer that will prevent water running through the landfill, please provide evidence that the engineering properties of this waste are suitable for this use. This evidence should include information on the permeability and compaction trials for this material. We will await the results of the engineering, permeability and compaction trials for the EWC 19 12 12 waste. These results will determine the profile of the waste to be added.

ADDITIONAL INFORMATION REQUIRED – The waste recovery plan notes the possibility of using the site as a public amenity site in the future. Due to the potential variability in the chemical composition of the 19 12 12 waste, (as well as testing) it is suggested that a 'final capping layer' of clean, uncontaminated material is applied over this waste, to ensure users of the site are not in direct contact with potentially contaminated waste. Please provide the depth of 'final capping layer' and the material you will use.

Is the minimum amount of waste being used to achieve the intended benefit? – ADDITIONAL INFORMATION REQUIRED

YES - The waste recovery plan contains cross-sections showing the original and planned final levels. Cross-sections are relative to Ordnance Datum and of an appropriate scale.

YES - A map (plan ED3075) showing where the cross-sections have been taken from, has been included in the waste recovery plan.

YES – The waste recovery plan notes that the levels of the proposal will be measured before, during and after completion to ensure compliance with the planning requirements.

YES – The waste recovery plan shows the quantity of material required for the proposal. The quantity was calculated using AutoCAD Civils 3D comparing the actual levels grid in plan ED3075 with the proposed levels grid in the planning approval plan CE0501D. This has provided a total fillable area of 33, 340 m³. Using a conversion factor of 1.6 tons/m³ the total quantity of waste required is 53, 344 tonnes.

ADDITIONAL INFORMATION REQUIRED – Please provide an explanation of why the 1.6 tons/m³ was used and where it was sourced from.

Is the waste being used as a substitute for a non-waste material? – YES

YES - The waste recovery plan notes that the alternative to the proposed action would be to excavate soil from another location and transport it to the Borth site

Will the proposal be completed to an appropriate standard? – ADDITIONAL INFORMATION REQUIRED

YES - The final restoration of the site will be achieved by planting grass and other naturally occurring species including bushes and trees.

YES –The waste recovery plan notes that following classification of the materials by the materials laboratory, works will be carried out in compliance with Highway Works Schemes MCDHW Volume 1, series 600.

YES – The waste recovery plan does not contain a stability risk assessment. It is regarded that the stability of the final contours were considered at the planning stage and the operator has confirmed that there are no steep slopes or unstable areas within the site that would constitute an area of instability.

YES – The planning permission for the proposal states a scheme of planting/seeding and the requirement to replace any dead, removed, damaged or diseased plants/trees within the first 5 years of the completion of the development.

ADDITIONAL INFORMATION – The waste recovery plan does contain information on the profile of the waste to be added. However, we will await the results of your permeability and compaction trials, before we assess the suitability of your proposed layers.

Additional comments: Please note the assessment of this waste recovery plan is not an indication that we will agree to any of the processes or waste types featured in permit application
EPR/PB3990HS/A001

Please note: Please provide the answers to the above points in a single waste recovery plan.

Date advice given: 27/05/15

Time Spent (minutes): 415