

Our Ref: 14333/Waste/Let1

Your Ref:

Contact: David Emanuel

**Terra Firma (Wales) Ltd.**

Consulting Geotechnical & Geo-Environmental Engineers  
Site Investigation Contractors

5 Deryn Court, Wharfedale Road,  
Pentwyn, Cardiff CF23 7HA  
Tel: 029 2073 5354 Fax: 029 2073 5433  
Email: info@terrafirmawales.co.uk  
www.terrafirmawales.co.uk

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TROJAN CONSTRUCTION LTD (david@trojan-cml.com)

For the attn. of Mr David Thomas

Dear Mr Thomas

**CLASSIFICATION OF EXCESS SOIL: PROPOSED KFC DT BEDHAMPTON, LARCHWOOD AVENUE, HAVANT, PO9 3QW**

Terra Firma Wales Ltd has been retained by Trojan Construction Ltd to classify three soil samples from the above site for off-site disposal. The following classification is based on the results of Total Chemical and Leachate Analysis of three soil samples collected by Trojan Construction Limited and passed on to Terra Firma Wales Ltd for dispatch.

It should be noted that the receiving landfill sites and the Environment Agency have ultimate authority in deciding whether a waste may be accepted, regardless of its classification.

Soil samples were submitted to the UKAS and MCERT Accredited Concept Life Sciences/Scientific Analysis Laboratories (SAL Report 669264-1). Selected samples were subject to the Terra Firma Wales Ltd Waste Suite, Asbestos Screening and Waste Acceptance Criteria (WAC) testing.

The laboratory test results are presented in **Annex A**.

On the basis of the soil chemical test results, the soil was classified based on the identified hazard phrases as defined in accordance with waste classification algorithms detailed in Environment Agency publication WM3 (V.1., 2015).

### SOIL CLASSIFICATION

Representative compounds were selected for the detected elements for waste classification. Where necessary, appropriate stoichiometric factors were employed to account for discrepancies in molecular weight.

Low levels of Petroleum Hydrocarbon were detected during TPHCWG Analysis. However, hydrocarbon free-product was not observed and we do not expect hazard HP-3 to be realised.

Asbestos was not detected during screening

A summary of the soil classification is presented in **Table 1**.

| Table 01. Summary of Classification |                      |          |                                                |
|-------------------------------------|----------------------|----------|------------------------------------------------|
| Sample Identity                     | Waste Classification | EWC Code | Additional Comments                            |
| S1                                  | Non-Hazardous        | 17 05 04 | Terra Firma does not expect HP3 to be realised |
| S2                                  | Non-Hazardous        | 17 05 04 | Terra Firma does not expect HP3 to be realised |
| S3                                  | Non-Hazardous        | 17 05 04 | Terra Firma does not expect HP3 to be realised |

An appraisal of the WAC results is presented in **Table 2**.

| <b>Table 02. Summary of WAC Testing</b> |                                                                                                                                                             |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sample Identity</b>                  | <b>Comments</b>                                                                                                                                             |
| S1                                      | Satisfies Inert Criteria                                                                                                                                    |
| S2                                      | Fails Inert Criteria on account of elevated PAH (110 mg/kg against a criteria of 100 mg/kg) and elevated fluoride (12 mg/kg against a criteria of 10 mg/kg) |
| S3                                      | Fails Inert Criteria on account of elevated fluoride (17 mg/kg against a criteria of 10 mg/kg)                                                              |

The current classification does not include an assessment of invasive plant species. If anomolous materials are encountered during excavation the classification should be revisited.

We trust that the above is to your satisfaction, however, if you have any queries or require any further information please do not hesitate to contact us.

Yours sincerely  
**for: Terra Firma (Wales) Ltd**

**David Emanuel**