



# **LON HEN FELIN WASTE TREATMENT AND TRANSFER FACILITY**

## **PERMIT VARIATION APPLICATION**

**Ref: 2858/R/001-01**

**FEBRUARY 2017**

Prepared for:

**Gwynedd Skip and Plant Hire Limited**

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***Prepared for***

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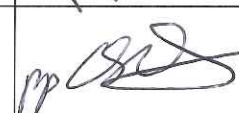



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## **LON HEN FELIN WASTE TREATMENT & TRANSFER FACILITY**

### **PERMIT VARIATION APPLICATION REPORT**

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#### **DRAWINGS**

**2858/1/001:** Site Location

**2858/1/002:** Site Layout and Permit Boundary

**2858/1/003:** Sensitive Receptor Locations

**2889-CAU-XX-00-DR-6001:** Site Drainage Plan

## **1. INTRODUCTION**

### **1.1 Background**

- 1.1.1 This report has been prepared to support a standard variation application for the Lon Hen Felin Waste Treatment & Transfer Facility (Permit ref: EPR/CB3237AP/T001) operated by Gwynedd Skip & Plant Hire Limited (the Operator) in Caernarfon, Wales.
- 1.1.2 The site is currently classified as a Standard Rules Household, Commercial and Industrial Waste Station with Treatment and Asbestos Storage (ref: SR2008 No7 75kte). The site receives a range of skip wastes, which are currently manually sorted within the operations building to recover the various fractions as detailed on the Site Layout Plan (ref: 2858/1/002). These waste fractions are exported from site for recovery at suitably Permitted facilities. The non-recyclable wastes are currently transferred from site for disposal in landfill. No putrescible waste element is currently transferred to site.
- 1.1.3 The Operator proposes to install an alternative manual sorting line as shown on the accompanying Site Layout Plan (ref: 2858/1/002) predominantly external to the operations building. However, the trommeling of waste would still be undertaken within the confines of the operations building. As part of this process, it is proposed to generate Refuse Derived Fuel (RDF) from the residual non-recyclable fractions of the wastes following manual sorting and screening. This RDF would be transferred from site for recovery as a fuel as opposed to the current transfer from site for disposal in landfill.
- 1.1.4 The Industrial Emissions Directive (2010/75/EU) extended the scope of listed activities that fall to be permitted as Installations. The activities now include the pre-treatment of waste for incineration or co-incineration where the capacity is >75 tonnes/day for a recovery activity or a mix of recovery and disposal activities, or >50 tonnes/day for a disposal activity. The listed reference in Schedule 1 of the Environmental Permitting Regulations (2014, No.255) for the production of RDF over the thresholds stated above as recovered for incineration is a 5.4A (1)(b)(ii) activity.
- 1.1.5 However, following discussions with the Operator, it has been calculated that the predicted RDF production would fall within the threshold limits specified above so therefore could be Permitted as a Waste Operation rather than an Installation.
- 1.1.6 Pre-application advice was obtained from Natural Resources Wales (NRW) for confirmation received on the following aspects of this application:
- Standard Variation;
  - Waste Facilities OPRA calculated application fee of £7,506.00;

- Application Forms required are Part A, C2, C4 and F1.

- 1.1.7 Details of this correspondence containing this information are attached as Appendix I of this application report.
- 1.1.8 All of the completed applications forms referenced above are attached to this report as Appendix II.
- 1.1.9 No Site Condition/Baseline report is required by the application forms referenced for the proposed activities as the site will continue to operate as a waste facility.

## **1.2 Non-Technical Summary**

- 1.2.1 The site is currently classified as a Standard Rules Household, Commercial and Industrial Waste Station with Treatment and Asbestos Storage (ref: SR2008 No7 75kte). The site receives a range of skip wastes, which are currently manually sorted within the operations building to recover the various fractions as detailed on the Site Layout Plan (ref: 2858/1/002). These waste fractions are exported from site for recovery at suitably Permitted facilities. The non-recyclable wastes are currently transferred from site for disposal in landfill.
- 1.2.2 The Operator proposes to install an alternative manual sorting line as shown on the accompanying Site Layout Plan (ref: 2858/1/002) predominantly external to the operations building. However, the shredding & trommeling of waste would still be undertaken within the confines of the operations building. As part of this process, it is proposed to generate Refuse Derived Fuel (RDF) from the residual non-recyclable fractions of the wastes following manual sorting and screening. This RDF would be transferred from site for recovery ( $\leq 75$  tonnes per day) as a fuel as opposed to the current transfer from site for disposal in landfill.
- 1.2.3 In addition to the above proposed operations, the purpose of this variation application is to undertake the following changes to the current operations:
- The addition of EWC code 19 12 12 to consist of imported materials to be input to the RDF manufacturing process from other waste facilities;
  - Shredding of mixed residual wastes for bulking up purposes for transfer off-site for recovery elsewhere; and
  - Increase limit from 10 tonnes to 20 tonnes for temporary storage of asbestos prior to transfer off site for disposal or recovery. Storage would continue to be in secured containers as shown on the Site Layout Plan (ref: 2858/1/002).

- 1.2.4 All incoming wastes will initially be deposited within the operations building prior to sorting. Separate factions of the recyclables will be stored (where applicable) in the designated storage bays within the high-walled (5m) operations compound. RDF bales will also be stored in a designated storage bay as detailed on the Site Layout Plan.

## **2. APPLICATION FORM PART C2**

### **2.1 Question 1 – Discussions before your application**

- 2.1.1 Pre-application discussions have been undertaken with NRW confirming the variation type, application fee and which application forms to be used as part of the application. Copies of this email correspondence are attached as Appendix I.

- 2.1.2 The site Permit reference is EPR/CB3237AP/T001, and the site details are as follows:

Lon Hen Felin Waste Treatment & Transfer Facility  
Lon Hen Felin  
Cibyn Industrial Estate  
Caernarfon  
Gwynedd  
LL55 2BD

### **2.2 Question 2 - About your proposed changes**

- 2.2.1 This application is Standard Variation application to vary the current Standard Rules Permit (ref: SR2008No7\_7kkte) to a Tier 3 Bespoke Waste Facility Permit. A Non-Technical Summary is contained in Section 1.2 of this report.

- 2.2.2 The Operator proposes the following changes to the current operations on site:

1. Relocation of covered & enclosed picking line using newly purchased appropriate plant, predominantly outside of the operations building as shown on the accompanying Site Layout Plan.
2. Production of RDF from residual, non-putrescible materials instead of transfer of site for disposal to landfill.
3. Addition of EWC code 19 12 12 to allow import of sorted waste materials for recycling and/or input to the RDF process from other Permitted facilities.
4. Increase asbestos temporary storage limit to 20 tonnes in secured containers pending off-site transfer for disposal or recovery.

- 2.2.3 It is assumed that a new bespoke permit will be issued within a modern style template, and no consolidation of permits is required.

- 2.2.4 The site is not considered a low impact installation and will not undertake treatment of batteries.

### **2.3 Question 3 – Your Ability as an operator**

- 2.3.1 The operator Gwynedd Skip & Plant Hire Limited and associated relevant persons have not been convicted of any relevant offences.
- 2.3.2 The current, valid WAMITAB certificates are attached as Appendix III to this application.
- 2.3.3 The operator Gwynedd Skip & Plant Hire Limited and associated relevant persons have no current or past bankruptcy or insolvency proceedings against them.
- 2.3.4 The site is operated in accordance with an ISO14001 accredited Environmental Management System (EMS). A copy of the accreditation certificate (ref: 613943) and a contents summary are also contained in Appendix III of this application. Any additions to the management procedures as required by this variation application are covered in the accompanying Environmental Risk Assessment (ref: 2858/R/002-1) attached as Appendix IV to this application.

### **2.4 Question 4 - Consultation**

- 2.4.1 The operator has a consent to discharge trade effluent to foul sewer issued by Welsh Water. There are no discharges to a harbour or directly into relevant territorial or coastal waters within the sea fisheries district of a local fisheries.

### **2.5 Question 5 – Supporting Information**

- 2.5.1 A Site Location Plan (ref: 2858/1/001) and Site Layout Plan (ref: 2858/1/002) are attached with this application. The variation application does not include any proposals for additional land at the facility.
- 2.5.2 Additionally, the application does not involve the addition of an installation.

### **2.6 Question 6 – Environmental Risk Assessment**

- 2.6.1 An Environmental Risk Assessment (ref: 2858/R/002-1) has been undertaken for the activities undertaken at the site and is attached to this application report as Appendix IV.



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### **3 APPLICATION FORM PART C4**

#### **3.1 Question 1 – What waste operations are you applying to vary?**

- 3.1.1 Details of the proposed changes to the activities at the site are contained in Section 2.2 of this application report. The operations at the site are primarily for the recovery of aggregates, however, appropriate residual wastes will be utilised to produce RDF for recovery and disposal at a maximum quantity of 75 tonnes per day. Shredding of mixed wastes will also be undertaken for bulking up purposes to be transferred from site for recovery at other facilities.
- 3.1.2 Additionally, this application proposes to add a new EWC code 19 12 12 to the currently permitted list of wastes consisting of materials transferred from other facilities to be input to the RDF process. A full List of Wastes (LOW) is appended to the accompanying Technical Standards document (ref: 2858/R/005-1) which forms Appendix V of this application report.
- 3.1.3 The operator also proposes to increase the current permitted storage limit for asbestos from 10 tonnes to 20 tonnes, and this will continue to be contained in a secured, lockable container.
- 3.1.4 The current and proposed operations are not considered to be a deposit for recovery operation.

#### **3.2 Question 2 – Emissions to air, water and land**

- 3.2.1 There will be no point source emissions to air, water or land from the site. All trade effluent in the form of ‘run-off’ will be collected by the on-site drainage system and discharged to sewer as shown on the attached Site Drainage Plan (ref: 2889-CAU-XX-00-DR-6001).

#### **3.3 Question 3 – Operating Techniques**

- 3.3.1 The accompanying Technical Standards document (2858/R/005-1) contained in Appendix V, details the technical aspects of the waste operation.
- 3.3.2 The accompanying Environmental Risk Assessment (ref: 2858/R/002-1) addresses the details of ‘*Table 3b – General requirements*’. This document is contained in Appendix IV of this application report.
- 3.3.3 The operation accepts hazardous waste in the form of cement bonded asbestos which is to be stored at a maximum capacity of 20 tonnes in a secured container prior to off-site transfer for recovery and/or disposal. The appropriate procedures are undertaken in accordance with SGN5.06. The relevant sections of Appendix 2 of application form C4 have been completed

accordingly, referencing the current Operator EMS procedure and/or application documents.

### **3.4 Question 4 – Monitoring**

- 3.4.1 There are no point source emissions that require monitoring within the constraints of the environmental Permit. All monitoring undertaken at the site is detailed in the accompanying Environmental Risk Assessment (ref: 2858/R/002-1) attached as Appendix IV to this application.

## **4 APPLICATION FORM PART F1**

### **4.1 Question 1 – Working out charges?**

- 4.1.1 Discussions (see Appendix I) have been undertaken with NRW and it has been confirmed that the application for the proposed changes at the site are a Standard Variation. Since the site will change to a Tier 3 Waste Operation, and OPRA waste facilities spreadsheet has been compiled and approved by NRW, and an application fee calculated at £7,506.00, as detailed in Table 1 of application form part F1.

### **4.2 Question 2 – Opra profile**

- 4.2.1 A Waste Facilities OPRA spreadsheet (ref: NRWv1) has been completed for the site and approved by NRW as shown in the correspondence contained in Appendix I. A copy of this spreadsheet is attached with this application.

### **4.3 Question 3 – Payment**

- 4.3.1 A cheque (ref: 000447) made payable to Natural Resources Wales to the amount of £7,506.00 accompanies this application.

## **APPENDIX I**

### **Relevant Correspondence**

## **APPENDIX II**

### **Application Forms Part A, C2, C4, F1 & OPRA**

## **APPENDIX III**

### **Operator Competence Documents**



## **APPENDIX IV**

### **H1 Assessment**

## **APPENDIX V**

### **Technical Standards**