

Caulmert Limited

Engineering, Environmental & Planning
Consultancy Services

New Inn Transfer & Recycling Centre

FCC Recycling (UK) Ltd

Environmental Permit Variation Application

Supporting Document

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Appendix 1 Management System Summary & CoTC

1.0 INTRODUCTION

1.1 Background

- 1.1.1 Caulmert Limited has been appointed by FCC Recycling (UK) Ltd to prepare an application to vary an existing environmental permit for the New Inn Recycling Centre.
- 1.1.2 The variation is made primarily to encompass the changes resulting from the redevelopment of the existing site.

1.2 Site History and Development

- 1.2.1 The site has been used as a waste depot and recycling centre since 1994.
- 1.2.2 The permit allows the operation of a hazardous and non-hazardous Household, Commercial and Industrial Waste Transfer Station and Household Waste Recycling Centre. The total quantity of waste that can be accepted at a site is restricted to less than 74,999 tonnes a year.
- 1.2.3 Activities permitted include
- Treatment consisting of compaction and physical sorting or separation of waste into different components for disposal, recycling or reclamation.
 - Storage of waste prior to disposal, recycling or reclamation.
- 1.2.4 The proposed permit activities will include a larger relocated household waste recycling centre (HWRC) comprising a large split level facility, and security office.
- 1.2.5 Some additional hazardous and non-hazardous wastes are to be added waste types currently permitted, some of which are currently accepted under S1 and S2 waste exemptions.
- 1.2.6 The main changes to the layout are as detailed below:
- a) Completely new Household Waste Recycling Centre (HWRC) within site offering increased recycling, and improved layout and traffic management.
 - b) Additional areas for sorting of waste for increased recycling.
 - c) New entrance and exit to HWRC.
 - d) Increase area of permit to allow for improved HWRC.
 - e) New surface water drainage scheme within HWRC draining to existing outlet in the Afon Lwyd.
 - f) New foul water drainage around entrance and roadsweeper storage area.
- 1.2.7 All areas of waste storage and treatment are carried out on concreted impermeable pavement with kerbing. New roadways are of tarmacadam construction.
- 1.2.8 All drainage on site passes through three stage interceptors, drainage from potentially contaminated areas or from the mess facilities drains to foul sewer, other areas drain to surface water. See drainage plan 2507.VAR.04 for further details.

- 1.2.9 All storage areas for waste materials are as shown on the Site Layout Plan 2507.VAR.02. See Site condition Report for further details of permitted activities carried out.

1.3 Environmental permit history

- 1.3.1 The site is currently operated by FCC Recycling (UK) Ltd although until recently the permit holder and operator was Viridor Waste Management Ltd.
- 1.3.2 A Waste Disposal Licence was first issued for the site by Torfaen Council to Terry Adams Limited in June 1994.
- 1.3.3 The permit was transferred to Viridor Waste Exeter Ltd in 2002 and then most recently to FCC in June this year.

Waste activities

- 1.3.4 The public bring their waste for recycling and disposal and will typically include the following:
- 1.3.5 Garden waste, rubble, plasterboard, white goods, small WEEE, general waste, metal, wood, plastic, old engine and cooking oil, batteries, fluorescent tubes and paint.
- 1.3.6 The HWRC is divided into two distinct areas, one split level area where waste is deposited by members of the general public into containers sited below. Another area is designed on a single level for recyclable wastes not suitable for dropping into open containers from above.
- 1.3.7 The facility is registered as a designated collection facility for WEEE.
- 1.3.8 Estimated Tonnage throughput is less than 74,999 per annum.

Waste types

- 1.3.9 The permitted waste types are currently specified in Schedule 2 of the permit and are categorised in accordance with the European Waste Classification system.
- 1.3.10 Waste oil and some electrical equipment is currently stored on site using S1 and S2 exemptions, so it is therefore proposed to add these and other waste types to the permit that are relevant to the activities carried out on site.

Waste code:	Description:
13	OIL WASTES (except edible oils, 05 and 12)
13 02	Waste engine, gear and lubricating oils
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	synthetic engine, gear and lubricating oils
13 02 07*	readily biodegradable engine, gear and lubricating oil
13 02 08*	other engine, gear and lubricating oils

Waste code:	Description:
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	Packaging
15 01 10*	packaging containing residues of or contaminated by dangerous substances
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 04	Chemicals and gases in containers
16 05 05	gases in pressure containers other than those mentioned in 16 05 04
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 21*	fluorescent tubes and other mercury containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 25	edible oil & fat
20 01 26	oil & fat other than those mentioned in 20 01 25
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 & 20 01 23 containing hazardous substances
20 03	Other municipal wastes
20 03 07	Bulky waste

Document structure

- 1.3.11 This Supporting Document has been prepared to provide additional information to support the responses given in the environmental permit application form for variation of waste operation permits, parts C2 and C4.
- 1.3.12 To aid cross-referencing between this Supporting Document and the application form, the various issues are presented in the same order as in the application form and the headings in this document include the relevant part of the application form as well as the specific question number to which the information relates. This document aims to provide additional information as requested on the application form as well as providing justifications for the responses provided on the forms.

2.0 GENERAL INFORMATION FOR VARIATIONS (APPLICATION FORM PART C2)

2.1 Pre-application discussions (Part C2 question 1b)

- 2.1.1 Pre-application advice was received from Neil Griffiths Environment Officer Industry and Waste Regulation – Usk and Wye and then subsequently by John Jowett. Advice on the content of the application, and the OPRA score was provided.
- 2.1.2 From initial discussions it was indicated that it would be a normal variation and the scope of the application requirements was provided by email.

2.2 Permit number and site details (Part C2 question 1c & 1d)

- 2.2.1 The details of the permitted site are as follows:

Permit number:	EPR/LB3290HK
Site address:	New Inn Transfer Station Panteg Way New Inn Pontypool Torfaen NP4 0LS

2.3 Changes to existing activities (Part C2 question 2b)

- 2.3.1 The following changes are being applied for:
- Amended, improved layout of HWRC on two levels,
 - Additional land within the Permit boundary,
 - Additional waste types.

2.4 Ability as operator (Part C2 questions 3a to 3d)

- 2.4.1 As the site is already a waste operations permit, questions 3a to 3c regarding relevant convictions, technical competence and finances do not apply.
- 2.4.2 The existing management system will be updated to include the revised layout and changes to the operation of the facility. A summary of the management system that will be in place and the CoTC certificate for the technically competent manager is provided in Appendix 1.

2.5 Plans for the site (Part C2 – 5a)

- 2.5.1 Drawings pertaining to the site and its surroundings are presented in the 'Drawings' section and in Site Condition Report included within this application. A description of the relevant plans submitted as part of this application is presented below in Table 1 below.

Table 1: Description of the submitted site plans

Drawing No. & Title	Content
2507.VAR.01	Site Location
2507.VAR.02	Site Layout & Permit Boundary
2507.VAR.03	Receptors Drawing
2507.VAR.04	Revised Drainage

- 2.5.2 An electronic copy of drawing 2507.02 is available on the submitted CD for inclusion in the permit.

2.6 Site report (Part C2 – 5b)

- 2.6.1 The site condition report was prepared for the additional land to be included within the permit on the basis of the Environment Agency's template and is presented separately within this application.

2.7 Non-technical summary (Part C2 question 5c)

- 2.7.1 The site has been used as a waste depot and recycling centre for 22 years and is currently operated by FCC Recycling (UK) Ltd although until recently the permit holder and operator was Viridor Waste Management Ltd.
- 2.7.2 The permit allows the operation of a hazardous and non-hazardous Household, Commercial and Industrial Waste Transfer Station and Household Waste Recycling Centre. The total quantity of waste that can be accepted at a site is restricted to less than 74,999 tonnes a year.
- 2.7.3 Activities permitted include
- Treatment consisting of compaction and physical sorting or separation of waste into different components for disposal, recycling or reclamation.
 - Storage of waste prior to disposal, recycling or reclamation.
- 2.7.4 The proposed permit activities include for a larger relocated household waste recycling centre (HWRC) comprising a large split level facility, and security office. This enables additional recycling facilities to be offered at the site as well as greatly improved access for the general public.
- 2.7.5 Waste oil and some electrical equipment is currently stored on site using S1 and S2 exemptions, so it is therefore proposed to add these waste types to the permit
- 2.7.6 The main changes to the layout are as detailed below:

- g) Completely new Household Waste Recycling Centre (HWRC) within site offering increased recycling, and improved layout and traffic management.
- h) Additional areas for sorting of waste for increased recycling.
- i) New entrance and exit to HWRC
- j) Increase area of permit to allow for improved HWRC
- k) New surface water drainage scheme within HWRC draining to existing outlet in the Afon Lwyd.
- l) New foul water drainage around entrance and roadsweeper storage area.

2.7.7 All areas of waste storage and treatment are carried out on concreted impermeable pavement with kerbing. New roadways are of tarmacadam construction.

2.7.8 All drainage on site passes through three stage interceptors, drainage from potentially contaminated areas or from the mess facilities drains to foul sewer, other areas drain to surface water

2.7.9 The current management system for the site will be updated to incorporate the proposed changes to operations at the site.

2.8 Environmental risk assessment (Part C2 question 6)

2.8.1 An environmental risk assessment has been carried out to support the permit application; this is presented separately within the '*H1 Amenity and Accident Risk Assessment*' (document reference 2507.04.FCC.AGS.LS.A0). This report is based on H1 guidance Annex (a) and assesses the potential risks from odour, noise, fugitive emissions and accidents.

2.8.2 The risk assessments identify risk mitigation measures such as infrastructure, equipment or operational practices that are required to manage the risks from the site. Identified mitigation measures are incorporated as part of the management measures for the facility. The identified activities that will be conducted at the site which may lead to land pollution along with the identified preventative measures that are needed to be in place to protect the land are presented within Table 3 'Fugitive emissions' and within Table 4 'Accidents'.

3.0 VARIATIONS FOR BESPOKE WASTE OPERATIONS (APPLICATION FORM PART C4)**3.1 Waste operations to be varied (Part C4 question 1)**

- 3.1.1 There are no proposed changes to the current waste activities at the site, this application relates only to changes to the permit boundary and a change to the site layout.
- 3.1.2 Question 1 of application form Part C4 requires a table to be completed with details of each waste operation which will be carried out or varied. Table 1a from the application form has been replicated and completed as table 2 below.

Table 2: Waste facilities

Type of waste operation	Limits to the waste operation	Annex IIA or IIB (disposal and recovery codes) and description
Non-hazardous & hazardous household waste amenity site. Non-hazardous waste transfer station	<p>The maximum quantity of hazardous waste and waste oils (in aggregate) that can be accepted, stored or treated at the site in connection with a disposal operation shall not exceed 10 tonnes per day.</p> <p>Treatment consisting only of manual sorting, separation, shredding or compaction of waste into different components for disposal (no more than 50 tonnes per day), or recovery.</p> <p>There shall be no treatment of asbestos waste</p>	<p>D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)</p> <p>R13 Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced)</p> <p>D14 Repackaging prior to submission to any of the operations numbered D1 to D13</p> <p>D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12</p> <p>R3 Recycling/ reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)</p> <p>R4 Recycling/ reclamation of metals and metal compounds</p> <p>R5 Recycling/ reclamation of other inorganic materials</p>

- 3.1.3 Total storage capacity at the site is estimated to be 500 tonnes.
- 3.1.4 Treatment operations will be limited to manual sorting and separation, and compaction.
- 3.1.5 Total annual throughput per year is estimated to be up to 74,999 tonnes per year.
- 3.1.6 A revised OPRA scoresheet has been produced that reflects the current operations and the new operator performance.

3.1.7 The HWRC operations will be divided into two areas, the main split level area and one single level area dependent upon the nature of the waste and their specific handling and storage requirements.

3.1.8 The surfacing within these areas is impermeable pavement with drainage to be directed from roadways to surface water discharge via a three stage interceptor. Drainage from waste storage areas is directed to foul sewer via three stage interceptors.

3.2 Emissions to air, water and land (Part C4 question 2)

3.2.1 The only point source emissions from the site are via the drainage system to surface water and foul sewer.

3.2.2 The site surfacing will be a mixture of: -

- permeable ground within areas of landscaping or other non-waste activities ,
- areas impermeable pavement/roofs which drain to surface water via a 3 stage interceptor, and
- areas of impermeable pavement which drain to foul sewer via a 3 stage interceptor.

3.3 Technical standards (Part C4 question 3a)

3.3.1 The proposed main activities to be carried out at the site are:

- Treatment consisting of compaction¹ and physical sorting or separation of waste into different components for disposal, recycling or reclamation.
- Storage of waste prior to disposal, recycling or reclamation

3.3.2 Technical standards to be employed include:

- FCC's Management System.
- New Inn Transfer Station & Recycling Facility Working Plan - August 2015. Version 1
- Tables 1 to 4 within section 2.5 of the 'H1 Amenity and Accident Risk Assessment', document reference 2507.04.FCC.AGS.LS.A0 also sets out the technical standards proposed for this activity.

3.3.3 Technical standards are detailed within the existing management system for the site. A summary of the management system is contained within Appendix 1. A revised layout plan 2507.VAR.02 is included within this document.

3.3.4 References to the relevant technical guidance and the specific technical standards documents for the waste operations at this site are summarised in Table 2 below.

Table 2: Technical standards documents for waste operations

Description of waste operation	Relevant technical guidance note	Reference to document setting out technical standards for each activity
Household waste recycling site	EPR 1.00: How to comply with your environmental permit. H6 Environmental Management Systems.	Supporting Document & Site Management System and Working Plan.

3.4 General requirements for fugitive emissions, odours and noise (Part C4 question 3b)

- 3.4.1 None of the proposed changes which are being applied for (as outlined in section 2.2 above) will result in any additional risk of fugitive emissions, odour and noise.
- 3.4.2 Current measures for the management of fugitive emissions, odours and noise are detailed within the Site Management System.
- 3.4.3 There is an existing Odour Management Plan covering operations at the Site

3.5 Part C4 – Part 3c Information for Specific Sectors

- 3.5.1 For certain sectors, information related to how the criteria of the relevant sector guidance notes for those sectors should be provided. The specified sectors requiring more information includes sectors that may be relevant to this variation.
- 3.5.2 The specific questions for facilities that accept hazardous waste have been completed within Appendix 2 of the Application Form.
- 3.5.3 The management plan will detail waste storage/treatment arrangements and procedures.
- 3.5.4 A proposed site layout plan is included within this application.
- 3.5.5 No hazardous waste treatment activities are proposed.

3.6 Monitoring (Part C4 question 4a)

- 3.6.1 There are two point source emissions from the site from the drainage system at the point where it is discharging to foul sewer. There is an additional emission point to surface water.
- 3.6.2 Monitoring of the discharges is not proposed as both discharges will be protected by 3 stage interceptors, inspections of the interceptors are required which is carried out by the site foreman.

4.0 REFERENCES

1. Environment Agency (2013): How to comply with your environmental permit. Version 6 - June 2013.
2. Natural Resources Wales (2013). Application for an environmental permit – Part C2 – General – varying a bespoke permit. EPC2 Version 7, February 2013.
3. Natural Resources Wales (2013). Application for an environmental permit – Part C4 – Varying a bespoke waste operation permit. EPC4 Version 7, February 2013.



DRAWINGS



APPENDIX 1



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