

Natural Resources Wales permitting decisions

Enovert South Limited

Decision Document

(Tir John Phase 2 Landfill Site)

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Variation

The application variation number is: **EPR/VP3935AT/V007 (PAN-014650)**

The operator is: **Enovert South Limited**

The Installation is located at: **Tir John Phase 2 Landfill Site, Wern Fawr Road, Off Fabian Way, Swansea, SA7 9XT**

We have decided to issue a variation for Phase 2 Tir John Landfill Site Permit, operated by Enovert South Limited.

We consider in reaching that decision we have taken into account all relevant considerations and legal requirements and that the permit will ensure that the appropriate level of environmental protection is provided.

Purpose of this document

This decision document:

- explains how the application has been determined;
- provides a record of the decision-making process;
- shows how all relevant factors have been taken into account;
- justifies the specific conditions in the permit other than those in our generic permit template.

Unless the decision document specifies otherwise we have accepted the applicant's proposals.

Key issues of the decision

Determination of Minor Non-technical Variation Application

Confidential information

No claim for commercial or industrial confidentiality has been made by the Operator.

Consultation

No consultation has been carried out, as this is a minor non-technical variation, and the site is not registered as a Site of High Public Interest (HPI Site).

The facility

Enovert South Limited operates a non-hazardous landfill site in Swansea, South Wales at National Grid Reference SS 695 936. The whole site comprises an associated landfill gas utilisation plant as well as an older landfill (Permit Number EPR/JP3395FD formerly EAWML/34011) which is situated on the Western portion of the site and referred to as Phase 1. This landfill is closed; no longer accepts waste and is moving towards closure and restoration. The Eastern portion of the site adjoining Phase 1, is referred to as Phase 2. Phase 2 incorporates Cells 5 through to 17. The Phase 2 site is currently accepting and disposing of non-hazardous waste in Cell 15, 16 and 17.

The regulated facility is an installation which comprises the following activities listed in Part 2 of Schedule 1 to the Environmental Permitting Regulations and the following directly associated activities:

- Section 5.2 Part A(1) (a), The disposal of waste in a landfill;
- Directly Associated Activities:
- Leachate Activity Management;
- Landfill Gas Management;

- Water Discharges to Controlled Waters; and
- Historic Waste Management.

This permit applies to only one part of the installation. Enovert South Limited are also the Operators/ Permit Holder of the associated Tir John Landfill Gas Utilisation Plant Compound Permit (EPR/ BP3738LS). Phase 1 Tir John Landfill Site (EPR/ JB3597TN / EAWML/34011) is situated adjacent to the Phase 2 landfill site. The names and permit numbers of the operators of other parts of the installation are detailed in the permit's introductory note.

Legislation

This variation will be issued, under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 (EPR). The Environmental Permitting regime is a legal vehicle which delivers most of the relevant legal requirements for activities falling within its scope.

We address the legal requirements directly where relevant in the body of this document. NRW is satisfied that this decision is consistent with its general purpose of pursuing the sustainable management of natural resources in relation to Wales and applying the principles of sustainable management of natural resources. In particular, NRW acknowledges that it is a principle of sustainable management to take action to prevent significant damage to ecosystems. We consider that, in issuing the variation a high level of protection will continue to be delivered for the environment and human health through the operation of the facility in accordance with the permit conditions.

NRW is satisfied that this decision is compatible with its general purpose of pursuing the sustainable management of natural resources in relation to Wales and applying the principles of sustainable management of natural resources.

Proposed Changes

Enovert South Limited submitted a minor non-technical variation application to NRW on 28 June 2021 to request the inclusion of an additional 15 EWC waste types into the permit. On 7 October 2021 a not duly made letter was sent to Enovert South Limited requesting additional information. Additional information was received on 21 October 2021, and the application was Duly Made the same day.

Waste types to be added

The Operator has applied to add the following 15 waste codes to the permit.

Waste code	Description	Entry Type
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD	
03 03	Wastes from pulp, paper and cardboard production and processing	
03 03 10	Fibre rejects, fibre-, filler- and coating-sludges from mechanical separation	AN
10	WASTES FROM THERMAL PROCESSES	
10 01	Wastes from power stations and other combustion plants (except 19)	
10 01 01	Bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)	AN
10 01 02	Coal fly ash	AN
10 01 03	Fly ash from peat and untreated wood	AN
10 03	Wastes from aluminium thermal metallurgy	
10 03 20	Flue-gas dust other than those mentioned in 10 03 19	MN
10 09	Wastes from casting of ferrous pieces	
10 09 08	Casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07	MN
10 10	Wastes from casting of non-ferrous pieces	
10 10 03	Furnace slag	AN

10 10 06	Casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05	MN
10 10 08	Casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07	MN
15	WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	
15 01	Packaging (including separately collected municipal packaging waste)	
15 01 06	Mixed packaging	AN
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)	
18 01	Wastes from natal care, diagnosis, treatment or prevention of disease in humans	
18 01 04	Wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)	AN
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTEWATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	
19 01	Wastes from incineration or pyrolysis of waste	
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11	MN
19 02	Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)	
19 02 06	Sludges from physico/chemical treatment other than those mentioned in 19 02 05	MN
19 08	Wastes from wastewater treatment plants not otherwise specified	
19 08 01	Screenings	AN
19 13	Wastes from soil and groundwater remediation	
19 13 02	Solid wastes from soil remediation other than those mentioned in 19 13 01	MN

There are no changes to be made to the permitted annual capacity, waste handling and storage, or waste storage volumes as a result of this variation.

All of the additional waste types requested by the Operator to be added to the permit are considered as suitable for acceptance at non-hazardous landfill sites, and are

referenced within NRW's non-hazardous landfill permit template, subject to appropriate waste acceptance and control measures being in place.

The Operator has confirmed that the additional 15 waste types to be added do not alter the nature of the facility's operation, nor would their acceptance onto site increase the overall environmental risks posed by the facility.

The acceptance of these new waste types at the landfill site would require no additional engineering or handling procedures to be in place. Some of the additional waste types do however require more rigorous pre-acceptance and on-site waste acceptance checks to be in place, to ensure that the wastes received at the site are correctly coded, and that only permitted wastes are accepted and deposited at the site. These measures are described in more detail below.

Clarification was sought from the Operator in relation to the waste type EWC 19 02 06, as the description of the waste stated within their variation application differed from the standard waste description as stated within WM3 Guidance. The Operator confirmed that the waste types to be brought onto site under this code would be accepted under the description of "*Sludges from physico/chemical treatment other than those mentioned in 19 02 05*" and that these would be accepted as Minor Entry Non-hazardous Waste only.

Operating techniques

Seven of the new waste types to be added to the permit are listed within Waste Classification Technical Guidance WM3 as Mirror non-hazardous entries (MN), and therefore have the potential to be classified as Mirror hazardous entries (MH). Furthermore, the waste types 15-01-06 (packaging waste) and 18-01-04 (non-

infectious clinical) will also require additional pre-acceptance checks to be in place prior to the Operator accepting these waste streams onto site.

In support of their application, Enovert South Limited submitted a copy of their pre-acceptance and on-site waste acceptance procedures, which describes in detail the procedures in place to ensure materials accepted and deposited at the site are non-hazardous in nature and fall within a permitted waste type. Once confirmed acceptable, the non-hazardous materials would be accepted and handled in much the same way as the wastes which are already included in the permit.

Section 3.4.2 of the Operators document titled “**Waste Acceptance and Control – SHE-OP-200**” specifically describes additional waste acceptance and control measures to be in place for 18-01-04 (non-infectious clinical) wastes. The document also confirms that all wastes to be accepted onto site will be assessed by a suitably qualified waste assessor against WM3 guidance, as well as any other current legislation to determine if the characteristics of the wastes meet with permit requirements.

We have reviewed the pre-acceptance and waste acceptance techniques used by the operator and have compared these with relevant guidance notes (Waste Classification Technical Guidance WM3). We consider that their procedures are in line with this guidance and that they represent appropriate techniques for the additional waste types to be accepted onto site.

The “**Waste Acceptance and Control – SHE-OP-200**” Rev.4.2 has been added to Table S1.2 Operating Techniques within the permit.

Reporting

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There are no changes to reporting requirements as a result of this variation.

Opra

There are no changes to the Opra score for the site, as a result of this variation. The Opra score at permit issue remains 146.