



Fenestration Recycling Company Ltd
ENVIRONMENTAL PERMIT VARIATION

Controlled Document No.	
Issue	v1.0
Date:	29/02/16

SD6 - Non-Technical Summary

Environmental Permit **PERMIT NUMBER EPR/HP3938RN/T001**

Fenestration Recycling Company Ltd
(t/a The National Window Recycling Company)
Neath Abbey Wharf
Neath Abbey
Neath Port Talbot
SA10 6BL

Document Revision

Version	Date	Author	Checked / App'd	Revision
DRAFT	25/02/16	SW	SH	FOR APPROVAL
1.0	29/02/16	SW	SH	RELEASE VERSION



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The Applicant

This application to vary an existing Environment Permit (EP) is made by Fenestration Recycling Company Ltd. The company trades under the name The National Window Recycling Company.

The company operates a waste transfer station recycling uPVC window and doors frames at Neath Abbey Wharf, Neath Abbey, Neath Port Talbot, SA10 6BL (National Grid Reference SS 72767 96345). This site is the subject of this application to vary an existing Environmental Permit.

The Permit and This Application

The site is currently permitted as a Waste Transfer Station under permit number EPR/HP3938RN/T001.

The Site Operator is making this application to vary their current Environmental Permit to add physical treatment of waste to the activities undertaken, to increase the area of the permitted site, to add EWC codes to the list of accepted wastes for wastes similar to those already permitted onsite and to increase the tonnage of wastes stored on-site. A request to consolidate the permit to a modern permit template and conditions has also been requested.

This variation does not seek to increase capacity beyond the 24,999 tonnes per annum already permitted.

The site has planning consent to carry out the proposed activities.

Site Description

The site is located approximately 2.5km west of Neath town centre in an area that has been developed extensively for wharf-side commercial and industrial use. Waste management and Asphalt manufacturing/aggregate supply businesses represent the site's immediate neighbours. The closest occupied building (at the Waste Management facility) is located around 90m from the site boundary.

The nearest residential housing is situated in Pen-yr-Heol approximately 145m north west of the site at an elevation of approximately 15m above the site.

The site occupies an area of ~0.7 hectares (~1.7 acres) and comprises two open yard areas separated by a railway embankment. The rectangular northern part of the site has an approximate area of 0.41ha and the southern roughly triangular area, 0.29ha. The site is bounded on the western side by a second railway embankment and to the east by the Tennant Canal.

The layout (describing the site in an approximate north east to south west direction) comprises the following primary areas:

- Northern Area
 - The site entrance with separate access for HGV and staff/visitor vehicles;
 - A weighbridge, weighbridge office, administrative offices and staff welfare facility (including kitchen and toilet facilities), staff and visitor parking;
 - A processing area with buildings/enclosures containing processing equipment (hammer mill, metal sorting);
 - Areas for reception, inspection and storage of accepted wastes awaiting processing;
 - Areas for manual sorting, segregation, screening and storage of sorted wastes;
 - Areas for storage of non-hazardous residual waste;



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- Designated storage areas for plant and vehicles; and
- An area for the storage of quarantined wastes.
- Southern Area:
 - External storage areas for processed wastes awaiting dispatch;
 - A building for processing (granulation and automated sorting) of wastes;
 - A temporary/mobile office building; and
 - A bunded storage area for fuels and caged storage of gas.

The current Environmental Permit covers only the northern area of the site. This application seeks to extend the site boundary to incorporate the southern area of the site.

Waste Processing

The facility is designed to store and separate wastes, such that the wastes may be segregated and recycled in accordance with the Waste Hierarchy. The principal objective of the facility is and will remain the recovery of recyclables from source segregated and mixed waste streams.

The facility is currently permitted to undertake physical sorting or separation of waste into different components, physical mixing or bulking of solid wastes of the same or different types, repackaging of wastes (compaction and baling) and storage pending disposal or recovery.

This application to vary the environmental permit seeks to retain these existing activities and add additional processes to physically treat waste. Subject to approval, the facility would undertake treatment of waste consisting of manual and automated sorting, separation, screening, baling, shredding, crushing, compaction, physical mixing or bulking of waste into different components for disposal or recovery.

The main operations will be observable as:

- Receipt, inspection and unloading of waste from transporter vehicles and transfer to storage using on-site plant;
- Manual sorting and segregation;
- Cutting and crushing (hammer milling and granulation) of waste to reduce its size;
- Screening and automated sorting of waste to separate different fractions;
- Bagging, baling or bulking of waste to facilitate transport;
- Loading and transfer of bagged, baled or loose metals onto articulated or hooklift vehicles for dispatch to recycling facilities for recovery; and
- Loading and transfer of small volumes of residual waste onto hooklift vehicles for dispatch to recycling facilities for recovery or disposal.

Wastes to be Accepted

Although the site is permitted to accept a range of Commercial and Industrial and Construction and Demolition wastes, at present it only accepts and treats uPVC window and door frames (and similar materials). Moving forward the company intends to expand the range of rigid plastics that it accepts and processes for recovery.

The supporting documents accompanying this application to vary the existing permit do not consider the storage and treatment of wastes other than waste plastics and should the operator wish to accept wastes other than those best described as plastics, the documents will be updated to reflect the storage and treatment required



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for these materials and any changes agreed with Natural Resources Wales prior to these wastes being accepted on-site.

Supporting Documents

A package of Supplementary Information (reports, drawings and other documentation) supports this application. These include information required within the Environmental Permit application documents, details of the regulated facility and its environs, and documents that demonstrate how the applicant will comply with the requirements of any issued permit.

Environmental Risk Assessment

An Environmental Risk Assessment (ERA) accompanies this application.

The ERA demonstrates that the proposed facility does not present a significant risk to the environment. In this respect the operational proposals will manage/control any potential risks that should arise by implementing good management practices.

Site Condition Report

As the application includes an extension to the currently permitted area the application includes a Site Condition Report describing the current condition of the site. This includes an Envirocheck desk study, Environmental Report and Site Photographic Record.

Environmental Management System (including Operational Proposals) (EMS)

The facility will be managed to minimise any impacts on the environment. The company proposes to use its own internal Environmental Management System to manage any risk.

The EMS includes a Management System Plan that describes the proposed operations and details proposals to manage/control any potential risks that should arise through site design and implementation of good management practices. It also includes a Site Emergency Plan that identifies environmental hazardous that could arise and the steps to be taken by the operator in the event of such an incident.

The Environmental Management System is a live document that is reviewed and updated regularly and will be maintained for the lifetime of the facility.

The Environmental Management System is an extensive document and for the purposes of providing information to support this application, only the contents page, Management System Plan, Noise Management Plan and Fire Prevention Plan have been submitted.

Noise Management Plan (NMP)

A Noise Management Plan accompanies this application and identifies risks and measures to be taken by the Operator to control these risks. The NMP includes an assessment (carried out to BS4142) of the noise emissions from site and their likely impacts at nearby receptors (including residential properties).

Fire Prevention and Mitigation Plan (FPP)

A Fire Prevention and Mitigation Plan accompanies this application and identifies risks and measures to be taken by the Operator to control these risks.

Drawings and Plans

A number of drawings and plans accompany this application (document SD4a). Three additional plans have been submitted (in document SD4b) to highlight proposals made by the Operator in the Environmental Management System Plan and Fire Prevention Plan to make improvements to the site's existing drainage and storage arrangements. Subject to these being approved by NRW, the Operator will agree timescales with NRW for these changes to be implemented.



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OPRA Assessment

As a Tier 3 facility an OPRA Assessment has been carried out and spreadsheets considering the existing and proposed operations of the facility submitted with this application. The OPRA Assessment is used by Natural Resources Wales to assess the risk to the environment from sites they regulate and allows them to target their resources at facilities that pose the greatest risk to the environment.