

HARCOURT FIBER RECYCLING FACILITY

Non-Technical Summary

Environmental Permit Application

Prepared for: OSO Fiber UK Limited

Environmental Permit Ref: EPR/KB3307LA/A001

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1.0 Introduction

OSO Fiber UK Limited (OSO Fiber) has instructed SLR Consulting Limited (SLR) to prepare an Environmental Permit (EP) application for a proposed Fiber Recycling Facility in Halesfield under the Environmental Permitting (England and Wales) Regulations 2016 (as amended).

This document provides a Non-Technical Summary (NTS) of application including:

- An explanation of what is being applied for;
- A summary of the regulated facilities; and
- A summary of the key technical standards and control measures relating to the site.

1.1 Pre-Application Advice

The basic pre-application advice service was applied for on 7th April 2021. The advice report (Ref: EPR/KB3307LA/A001) confirmed that a bespoke application was required and classified the site as a Material Recycling Facility (MRF). Enhanced pre-application advice was applied for to determine whether a Noise Impact Assessment and Management Plan was required as part of the application. On 17th May the pre-application team confirmed that neither documents were required.

1.2 The Site

The site is centred on National Grid Reference SJ 71143 04637 on Halesfield 15, Telford, TF7 4LE and lies approximately 3km east of Ironbridge and 5km southeast of Telford. The site is accessed via Halesfield 15 Road, which leads to the A442 south west of the site.

The site is located in the Halesfield Industrial Estate and is surrounded on all sides by commercial/industrial premises, deciduous woodland and small areas of open ground. Residential areas located within Telford are located to the west of the site.

The site location is illustrated on Drawing 001. The site boundary is shown on Drawing 002, and the local receptors and cultural and natural heritage receptors are illustrated on Drawing 003.

2.0 Proposed Activities

2.1 Process Description

OSO Fiber propose to operate a new Fiber Recycling Facility in Halesfield, Telford. The proposed activities will comprise the storage and physical treatment of cardboard waste by sorting, separation, shredding and baling to create a feedstock suitable for onward recovery in papermills. The input cardboard waste is obtained from commercial and industrial businesses and will have less than 2% contamination.

Bales of cardboard will be loaded into a de-wiring machine then along a conveyor belt to a trommel. From here material is conveyed to the primary shredder, through a magnetic separator and a Near Infrared (NIR) sorter. Material then passes through a secondary shredder, an eddy current separator and into a tertiary shredder. The treated material is then baled and sent off site for further recovery.

2.2 Specific Waste Management Activities

The activities that will be carried out at the site as defined under Annex II of the Waste Framework Directive can be summarised as follows:

- **R3:** Recycling/reclamation of organic substances which are not used as solvents; and
- **R13:** Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).

2.3 Waste Types and Storage Times

The site will accept up to 250,000 tonnes per annum (tpa) of waste.

Up to 3,500 tonnes of waste will be stored on site at any one time and the site will be capable of treating up to 720 tonnes per day.

Waste will be stored on site for a maximum of 1 month.

The proposed waste list is shown in Table 2-1 below.

Table 2-1
Proposed Waste List

EWC Code	Description
15	WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	Packaging (including separately collected municipal packaging wastes)
15 01 01	paper and cardboard packaging
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 12	Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard
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 01	paper and cardboard

3.0 Application Contents

To support this application for an EP, the following documentation is submitted in addition to this NTS:

- Application Forms (Parts A, B2, B4 and F1);
- An Environmental Risk Assessment (ERA);
- A Site Condition Report (SCR);
- An Operating Techniques and Management System (OT) document;
- A Fire Prevention Plan (FPP);
- A Dust and Emissions Management Plan (DEMP); and
- Associated Drawings.

3.1 Environmental Risk Assessment

An ERA has been produced to assess the environmental risk posed by the proposed activities on site.

Table 3-1 highlights the main potential risks on site and the associated risk assessment and/or management plan.

Table 3-1
Summary of Environmental Risk Assessment

Potential Emission Risk	Risk Assessment /Management Plan
To Water	All waste will be stored and treated on impermeable surfacing within the building. Water is not required for the operation of the treatment plant therefore there is no drainage network within the building. There will be no contaminated run off generated under normal operating conditions.
Fire	The Site will be managed in accordance with the approved Fire Prevention Plan (416.11821.00001/FPP).
Noise	The Site is located within an area dominated by industrial/commercial premises. The nearest residential receptor is located 400m west of the Site. All treatment of waste will occur within the building. Acoustic enclosures will be constructed around all shredders within the building. The enclosures will be constructed with a steel frame and rock wool board surrounded by iron.
Odour	Waste accepted on Site will consist only of cardboard with no putrescible or readily degradable residues. All storage and treatment of waste will take place within the building. The building benefits from roller shutter doors that will remain closed unless a delivery is taking place.
Pests	Only cardboard will be accepted onto Site which is not likely to attract birds, vermin and pests. All waste will be stored and treated on impermeable surfacing within the building.
Dust	The Site will be managed in accordance with the approved Dust Emission Management Plan (416.11821.00001/DEMP).

3.2 Site Condition Report

A SCR has been prepared as part of this application to establish the baseline environmental conditions within the proposed permit boundary. The SCR has been prepared in accordance with EA guidance H5 (version 3), April 2013.

The facility will operate with due regard to the conditions of the EP and all relevant environmental legislation to ensure that the site does not pose a significant risk to the surrounding human and natural environment.

3.3 Operating Techniques and Management System

The site will be operated in accordance with the operating techniques and management system to ensure compliance with the conditions of the EP.

The document includes the detailed process description and relevant roles and responsibilities to ensure the safe and effective management of the site to keep it in compliance with the EP.

The document includes the following information;

- Management;
- Site operations;
- Process Controls;
- Emissions; and
- Information.

Operational management procedures will ensure that:

- The risks that the activities pose to the environment are identified;
- The measures that are required to minimise the risks are identified;
- The activities are managed in accordance with the management system and the OT;
- Performance against the management system is audited at regular intervals; and
- The EP is complied with.

4.0 Technical Standards and Control Measures

The key technical standards laid out in the following documents govern the design and operation of the site:

- The Environmental Permitting (England and Wales) Regulations 2016 (as amended);
- Developing a management system: environmental permits;
- Controlling and monitor your emissions for an environmental permit;
- Non-hazardous and inert waste: appropriate measures for permitted facilities; and
- Relevant EA Guidance e.g. Environmental Risk Assessment's, Fire Prevention Plans, Dust Management Plans and Site Condition Reports.

The control measures relevant to the proposed activities are described in the OT submitted with this application.

The proposals have been assessed against these standards and are all considered to meet the relevant technical standards.

The overall conclusion is that there is unlikely to be a significant environmental impact as a result of the proposed activities on site.

OSO Fiber are fully committed to ensuring the highest standards are met and will undertake its activities in a manner consistent with best industrial practices and in accordance with the company's EMS.

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