Non-Technical Summary

TeleCycle Europe Ltd

wiser environment

Helping clients prosper through compliance

SITE DETAILS

TeleCycle Europe Ltd

Unit 15 Drome Rd

Deeside Industrial Park,

Sealand Garden City

Flintshire

CH5 2NY

OPERATOR DETAILS

TeleCycle Europe Ltd

450 Brook Drive,

Green Park,

Reading,

Berkshire,

RG2 6UU

APPLICATION REFERENCE

PPN-00750

DOCUMENT REFERENCE

K419.1~09~001

ISSUE DATE

30/06/2022

Wiser Environment Ltd, Suite 11 Manor Mews, Bridge Street, St Ives, PE27 5UW
94 Xuan Thuy, Thao Dien Ward, District 2, Ho Chi Minh City, 713385
+44 1480 462 232 | www.wiserenvironment.co.uk | info@wisergroup.co.uk

DOCUMENT CONTROL

DOCUMENT TITLE:	Non-Technical Summary
REFERENCE:	K419.1~09~001
CLIENT:	TeleCycle Europe Ltd
REPORTED BY:	Wiser Environment Limited
STATUS:	Final
ISSUE:	01
ISSUE DATE:	30/06/2022
AUTHOR:	Wiser Environment Limited
APPROVED BY:	TeleCycle Europe Ltd

REVISION HISTORY

REFERENCE	DATE	ISSUE:	REVISION SUMMARY
K419.1~09~001	13/05/2022	D1	For client review.
K419.1~09~001	13/05/2022	D2	Following client feedback.

QUALITY CONTROL

ACTION	DATE	NAME
Prepared	05/05/2022	Andrea Petrolati
Checked	13/05/2022	Elliott Howard
Approved	16/06/2022	Andrea Petrolati

CONTENTS

DRAWINGS

REFERENCE	TITLE
K419.1~20~001	Permit Boundary Plan
K419.1~20~002	Sensitive Receptors Plan

FIGURES

FIGURE	TITLE
Figure 1	Aerial view of the site (capture date: 05/05/2022)

1 INTRODUCTION

This Non-Technical Summary (NTS) accompanies the application for a Bespoke Environmental Permit for a Waste Operation.

The site is operated by TeleCycle Europe Ltd and is located at Unit 15 Drome Rd, Deeside Industrial Park, Sealand Garden City, Flintshire, CH5 2NY. The location is shown on Permit Boundary Plan (K419.1~20~001) in Section 08 of this application pack.

The national grid reference for the site is SJ 33521 70505. It is found some 8 km northwest of Chester and 8 km northeast of the town of Buckley. The site lies in an industrial estate off the A494 a short distance from the England/Wales border; for a full breakdown of surrounding land use please see the Sensitive Receptors Plan (K419.1~20~002), the Site Setting Plan (K419.1~09~003) and the Sensitive Receptors table (Appendix A).

The application has been prepared by WISER Environment Limited on behalf of the applicant and operator TeleCycle Europe Ltd.

2 APPLICATION

This application is for a Bespoke Environmental Permit and has been prepared under the Environmental Permitting (England and Wales) Regulations 2016 (as amended) for a Waste Operation to be submitted to Natural Resources Wales (NRW) (REF: PPN-00750).

Permitted activities are restricted to the physical treatment (including temporary storage) of <10 tonnes/day hazardous and non-hazardous waste consisting of:

- Sorting, separation, grading and shearing of catalytic converters into different components and milling of catalytic converters ceramic cores (non-hazardous).
- Sorting, separation, grading and shearing of WEEE, mainly printed circuit boards

Under the following recovery codes:

- R4: Recycling/reclamation of metals and metal compounds; and
- R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).

2.1 Site Location

The site is located at Unit 15 Drome Rd, Deeside Industrial Park, Sealand Garden City, Flintshire, CH5 2NY. The site, which is approximately 0.07 ha, is centred on National Grid Reference (NGR) 333521, 370505 (SJ 33521 70505). It is found some 8 km northwest of Chester and 8 km northeast of the Town of Buckley.

The site is situated in the Deeside Industrial Park and is surrounded by business properties. The closest residential properties are along Green Lane, Sealand approx. 895 m southeast of the site.

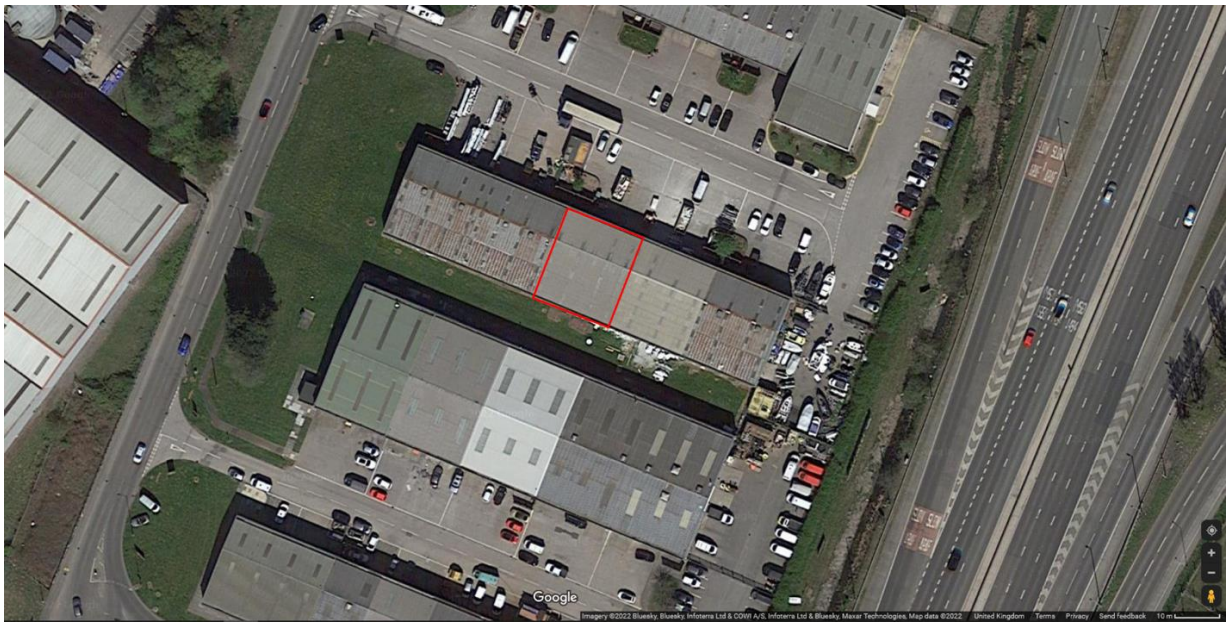

Figure 1. *Aerial view of the site (capture date: 05/05/2022)*

2.1 Environmental Settings

The environmental setting of the site is summarised in the table below; a more detailed site setting can be found in the *Environmental Risk Assessment* (K419.1~09~005) in Section 07 of this application:

RECEPTOR	DESCRIPTION AND LOCATION
Humans and Property	The site is surrounded by other business units with several other companies operating out of the same Industrial Estate. The closest sites of permanent residential property are located approx. 895 m southeast of the site.
Surface Water	There are no permanent surface water features within 100 m of the site.
Groundwater	The site does not overlie a Groundwater Protection Zone and is underlain by a 'Principal' aquifer in the bedrock.
Designated Sites	There are no European Sites or Ramsar Sites within 2 km of the site. The closest site protected by statute is the Dee Estuary SSSI which is designated as 'major wildlife area and one of the most important estuaries in Britain, amongst the most important in Europe for its populations of waders and wildfowl'.
Geology	The site is underlain by the Kinnerton Sandstone Formation - Sandstone formed approximately 247 to 252 million years ago in the Triassic Period.

RECEPTOR	DESCRIPTION AND LOCATION
	The superficial deposits underlying the site is Tidal Flat Deposits - Clay, Silt and Sand, formed up to 2 million years ago in the Quaternary Period.
Flooding	The site is located within a low flood risk zone from the Sea.

3 PERMITTED OPERATIONS

3.1 Waste Acceptance

On arrival, vehicle details will be recorded in the site diary or similar document. The driver must also present copies of the waste carrier's licence appertaining to the transport company concerned and the relevant Waste Transfer/Consignment Note.

All loads are inspected for non-permitted wastes, quality and conformance with Environmental Permit requirements. Non-conforming loads are refused entry and details are recorded.

All drivers must be wearing appropriate PPE, prior to commencing the unloading process.

Waste loads will be unloaded using a forklift truck or pallet truck. Smaller packaged items may be unloaded manually.

Wastes are stored in individual storage containers, e.g. bulk bags, crates and drums. All wastes are accepted as pre-booked orders and are allocated a job number specific to the client and instruction. All wastes are stored and processed as batches, passing through the processes consecutively, which removes the risk of long-term waste storage and ensures turnover of waste.

3.2 Waste Processing

3.2.1 Shearing of catalytic converters

The catalytic converters are removed from the rest of the exhaust system by hydraulic shearing (so-called 'top and tailing' a recognised industry standard treatment method), where not already removed by the waste producer. Catalytic converters are subject to the same hydraulic shearing process to open up the metal casing and extract the ceramic monolith (containing the precious metal catalyst) and the metal or RCF (refractory ceramic fibre) matting which provides thermal insulation and physical support to the ceramic monolith. The equipment is allied to a certified Local Exhaust Ventilation (LEV) system to extract and collect any dust/fibres released.

Metal casings, ceramic monolith and RCF matting are segregated and stored on the concrete floor in appropriate containers in designated areas within the enclosed building. Only clean, uncontaminated scrap metal may be stored outside during the working day.

3.2.2 Milling of ceramic monolith

Ceramic monolith is accepted with and without RCF matting attached. RCF matting is removed by hand and mechanically milled in a ball mill (a recognised industry standard treatment method) within the enclosed building allied to a certified LEV system. Any remaining fragments of RCF are again removed by hand before being bagged (using 400-gauge polyethylene) and stored in the adjacent designated storage area prior to recovery. Dust extracted and collected from LEV systems allied to the shearing and milling processes is added to the bulk bags for each batch/consignment.

3.2.3 WEEE processing

No processing of WEE is carried out in site. The waste received is stored in individual storage containers, e.g. bulk bags, crates and drums

3.3 Site Management

A Technically Competent Manager (TCM) manages the operation and regularly attends site in compliance with the defined attendance requirement. A site supervisor is responsible for the ongoing operation and may also undertake office and plant operation duties.

During hours of operation there will be a minimum of one member of staff on site, who will be fully conversant with the requirements of the Permit and the Management System regarding the following:

- waste acceptance and control procedures;
- operational controls and environmental monitoring;
- maintenance;
- record keeping;
- emergency action plans; and
- notifications to Natural Resource Wales.

4 RISK ASSESSMENT AND MANAGEMENT

An *Environmental Risk Assessment* (K419.1~09~005) is included in Section 07 of the application pack. The risk assessment details the key management measures for the protection of the environment with regards to noise and fugitive emissions (such as dust and particulate matter).

The site is operated by TeleCycle Europe Ltd and a Management System has been developed to reflect and control site operations. The Management System defines operational and maintenance procedures and details requirements in the event of an accident or incident.

wiser
environment

Helping clients prosper through compliance

Suite 11 Manor Mews, Bridge Street, St Ives, PE27 5UW
01480 462 232 | www.wiserenvironment.co.uk | info@wisergroup.co.uk