

## **European Metal Recycling Ltd.**

# **EMR Silvertown Permit Variation Application Non-Technical Summary & Supporting Information**

Document Ref: 129-002808 Non-Technical Summary  
June 2023

European Metal Recycling Ltd.  
Standard Industrial Estate,  
Factory Road,  
London  
E16 2EJ

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## **1 INTRODUCTION**

### **1.1 Overview**

European Metal Recycling (EMR) currently operate a metal recycling facility at Standard Industrial Estate, Factory Road, London, E16 2EJ under permit EPR/WE1242AA recently transferred from LCM Scrap Company Ltd (LCM).

Following discussions with the EA and in accordance with EA pre-application advice, EMR have applied to vary EPR/WE1242AA from a standard rules permit (SR2015 No.3) to a bespoke permit. See the cover letter enclosed within this application (129-002808 cover letter and priority request) for further details on the background to the application, and a request for priority assessment.

### **1.2 Scope of Document**

This document provides a non-technical summary (NTS) of the proposed operations and additional information to support the application to vary the standard rules permit to a bespoke permit (as advised by the EA) for EMR Silvertown at Unit 6, Standard Industrial Estate, Factory Road, London, E16 2EJ.

This NTS includes a description of the proposed operations.

## **2 DESCRIPTION OF SITE AND INFRASTRUCTURE**

### **2.1 Site Location and Layout**

The EMR Silvertown site is a roughly rectangular portion of land on Factory Road, situated within a large industrial area (Standard Industrial Estate). To the North of the site are residential properties and London City Airport. To the south lies a commercial area before the north bank of the River Thames, downstream of the Thames barrier. To the East and West are various light industrial / commercial units and open / storage spaces.

The site covers an area of approximately 1.26 hectares and the Ordnance national survey grid reference for the centre of the site is TQ 42816 79892. A site location plan is provided (129-001315 Silvertown-plan) detailing the site boundary.

There are no SSSI or RAMSAR sites within 1km of the EMR Silvertown site but the site is located less than 200m (approx. 65m) from the River Thames at its nearest point (due south of the yard). The site is located within an industrial area but the closest residential area is to the North of the site within 1km (approx. 45m due North).

### **2.2 Site Infrastructure and Drainage**

The site is provided with offices, non-ferrous and ELV buildings, a weighbridge, mobile plant and fixed plant for the treatment of a range of ferrous and non-ferrous metals.

All waste storage and waste treatment areas are provided with an impermeable concrete surface and a sealed drainage system.

Surface run-off (from rainwater and snow melt) is directed by the falls of the concrete surface towards a series of drainage gullies and an interceptor, prior to discharge to the main foul drainage system

### 3 PROPOSED OPERATIONS

#### 3.1 Description of Proposed Operations

The activities conducted at the EMR Silvertown metal recycling facility includes the sorting, separation, grading, shearing, shredding, baling, compacting, crushing, granulating and cutting of ferrous metals or alloys and non-ferrous metals for recovery. The site receives a range of ferrous and non-ferrous metals from a variety of industries, the majority from long-standing customers. Once processed, recycled materials will be transferred for export or to an EMR shredder (fragmentiser) site for further processing (ferrous metals) or other sites for further processing / recovery. The site will also accept ELVs for depollution and dismantling and a range of WEEE, namely non-hazardous and hazardous cables, Small Mixed WEEE (SMW) and Large Domestic Appliances (LDA).

#### 3.2 Permitted Area

The permitted area is defined by the green line on the location plan 129-002808 Silvertown-plan.

#### 3.3 LoW codes required for Metal Recycling

The List of Waste (LoW) codes required for the metal recycling activities are listed below:

<b>02</b>	<b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>
<b>02 01</b>	<b>Waste from agriculture, horticulture, aquaculture forestry, hunting and fishing</b>
02 01 10	Waste metal
<b>12</b>	<b>WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS</b>
<b>12 01</b>	<b>Wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
12 01 01	Ferrous metal filings and turnings
12 01 03	Non-ferrous metal filings and turnings
<b>15</b>	<b>WASTE PACKAGING, ABSORBENTS, FILTER MATERIALS, WIPING CLOTHS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
<b>15 01</b>	<b>Packaging (including separately collected municipal packaging waste)</b>
15 01 04	Metallic packaging
<b>16</b>	<b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>

<b>16 01</b>	<b>End-of-life vehicles from different means of transport [including off-road machinery] and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)</b>
16 01 06	End-of-life vehicles containing neither liquids nor hazardous components
16 01 17	Ferrous metal
16 01 18	Non-ferrous metal
16 01 21*	Hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
16 01 22	Discarded components not otherwise specified
<b>16 06</b>	<b>Batteries and accumulators</b>
16 06 01*	Lead batteries
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>
<b>17 04</b>	<b>Metals (including their alloys)</b>
17 04 01	Copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	Iron and steel
17 04 06	Tin
17 04 07	Mixed Metals
17 04 10*	Cables containing oil, coal tar and other substances
17 04 11	Cables other than those mentioned in 17 04 10
<b>17 09</b>	<b>Metals (including their alloys)</b>
17 09 04	Other construction and demolition waste
<b>19</b>	<b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE</b>
<b>19 01</b>	<b>Wastes from incineration or pyrolysis of waste</b>
19 01 02	Ferrous metals removed from bottom ash
<b>19 10</b>	<b>Wastes from shredding of metal containing wastes</b>
19 10 01	Iron and steel waste
19 10 02	Non-ferrous waste
<b>19 12</b>	<b>Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 02	Ferrous metal
19 12 03	Non-ferrous metal
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>

20 01	Separately collected fractions (except 15 01)
20 01 33*	Lead batteries
20 01 34	Nickel metal hydride and lithium-ion vehicle batteries only
20 01 39	Plastics
20 01 40	Metals

### 3.3.1 Metal Recycling Activities (including WFD Annex I and II Operation Codes)

The metal wastes will be submitted to the following treatment activities dependant on grade. The relevant Recycling Codes taken from the Waste Framework Directive (WFD) Annex I and II are:

***Sorting, separation, grading, shearing, shredding, baling, compacting, crushing, granulating and cutting , screening, grading, baling, shearing, compacting, crushing, granulation, repair or refurbishment, or cutting of ferrous metals or alloys and non-ferrous metals into different components for recovery.***

The relevant Recycling Codes taken from the Waste Framework Directive (WFD) Annex I and II are:

R4: Recycling/ reclamation of metals and metal compounds

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).

### 3.4 LoW codes required for ELV ATF

The List of Waste (LoW) codes required for the end-of-life vehicle activity are listed below;

16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
<b>16 01</b>	<b>End-of-life vehicles from different means of transport...</b>
16 01 03	End-of-life tyres
16 01 04*	End-of-life vehicles
16 01 06	End-of-life vehicles (containing neither liquids nor other hazardous components)
16 01 21*	Hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
16 01 22	Catalytic converters not containing RCF matting
<b>16 06</b>	<b>Batteries and accumulators</b>
16 06 01*	Lead batteries
16 06 05	Other batteries and accumulators

### 3.4.1 ELV Activities (including WFD Annex I and II Operation Codes)

The End-of-Life Vehicle Authorised Treatment Facility will involve the following treatment activities:

***Depollution of waste motor vehicles and sorting, separation, grading, baling, shearing, compacting, crushing or cutting of waste into different components for recovery.***

The relevant Recycling Codes taken from the Waste Framework Directive (WFD) Annex I and II are:

R4: Recycling/ reclamation of metals and metal compounds

R5: Recycling/ reclamation of other inorganic materials

D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)

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)

### 3.5 LoW codes required for WEEE ATF

The List of Waste (LoW) codes required for the WEEE activities are listed below.

All requested WEEE LoW codes are currently accepted under permit EPR/WE1242AA which has been transferred from LCM.

The site will not accept WEEE containing Ozone Depleting Substances (ODS).

<b>16</b>	<b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>
<b>16 02</b>	<b>Wastes from electrical and electronic equipment</b>
16 02 13*	Discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 14	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 15*	Hazardous components removed from discarded equipment
16 02 16	Components removed from discarded equipment other than those mentioned in 16 02 15
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
<b>20 01</b>	<b>Separately collected fractions (except 15 01)</b>
20 01 35*	Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

### **3.5.1 WEEE Activities (including WFD Annex I and II Operation Codes)**

The WEEE Authorised Treatment Facility will involve the following treatment activities:

*Sorting, dismantling, separation, shredding, screening, grading, baling, shearing, compacting, crushing, granulation, repair or refurbishment, or cutting of waste into different components for recovery.*

The relevant Recycling Codes taken from the Waste Framework Directive (WFD) Annex I and II are:

R3: Recycling/ reclamation of organic which are not used as solvents

R4: Recycling/ reclamation of metals and metal compounds

R5: Recycling/ reclamation of other inorganic materials

D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)

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)

### **3.6 Site Capacity and Throughput**

EMR Silvertown will accept a maximum of 150,000 tonnes of waste per year. Of the 150,000 tonnes, a maximum of 3,500 tonnes will consist of ELVs.

No more than 50 tonnes of hazardous wastes will be stored on site at any one time.

## **4 ADDITIONAL APPLICATION DOCUMENTS**

### **4.1 Environmental Management System and Risk Assessment**

The EMR Silvertown site is managed in accordance with a customised in-house environmental management system (see 129-002808 EMR Silvertown EMP). This will include environmental protection procedures and emergency plans, which will be communicated to the relevant employees.

An environmental risk assessment has been prepared for the purpose of the permit application (129-002808 EMR Silvertown ENV RA).

### **4.2 Fire Prevention Plan**

EMR Silvertown is also operated in accordance with a Fire Prevention Plan (FPP), which will be approved by the Environment Agency prior to issue of the Environmental Permit. The purpose of the FPP is to reduce the likelihood of fire and reduce the impact of neighbours if there was a fire (see 129-002808 EMR Silvertown FPP).

### **4.3 Operator Competence**

The EMR Silvertown site is provided with an appropriate competent operator, as defined by the relevant CIWM/WAMITAB scheme. The Technically Competent Manager (TCM) will



demonstrate the minimum required number of hours of TCM cover has been met by signing in on arrival and recording their hours of attendance. The relevant WAMITAB certificates have been provided with the permit application.