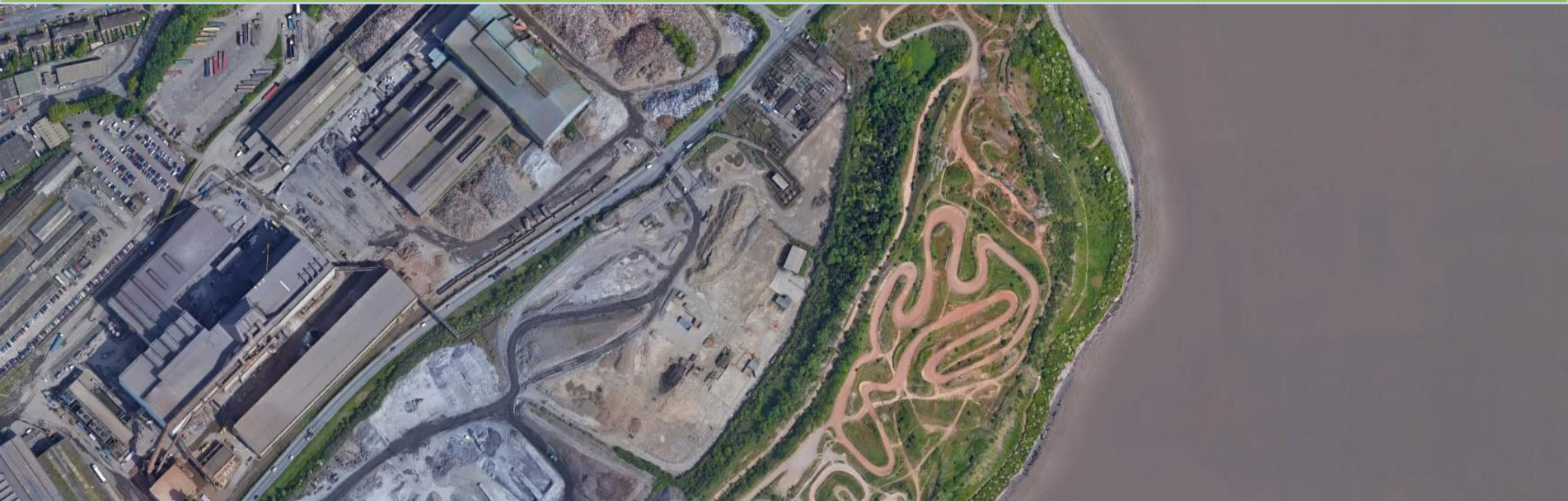


Environmental Permit (Normal Variation and Consolidation) Celsa Manufacturing (UK) Ltd, Tremorfa New Melt Shop. Tremorfa Works, Seawall Road, Cardiff, CF24 5TH Non-Technical Summary (Permit No. EPR/TP3639BH)

018-1620 | May 2019 | Revision 00



This document has been prepared by Celsa Manufacturing (UK) Ltd ("Celsa") and its environmental consultant Earth & Marine Environmental Consultants Ltd ("EAME") in support of a permit consolidation (Regulation 18) and normal variation (Regulation 20) as required under the *Environmental Permitting (England and Wales) Regulations 2016* in relation to current activities and proposed activities to be undertaken at Tremorfa New Melt Shop. Tremorfa Works, Seawall Road, Cardiff, CF24 5TH (Permit No. EPR/TP3639BH).

This application is to vary an existing environmental permit in relation to operations and activities undertaken at the site (*Figure 1*).

The document represents the Non-technical Summary report submitted as part of the variation package to Natural Resources Wales (NRW) (EAME Ref. 018-1620).



Figure 1: Site Location - Ordnance Survey Map Extract (1:50,000)

Ordnance Survey 1: 25,000 scale map with the permission of the Controller of Her Majesty's Stationery Office, Crown Copyright Earth and Marine Environmental Consultants Ltd, Licence No. 100050755

This normal variation (with consolidation) relates to:

- **Variation Section 01** – Consolidation of the waste process (Permit Ref. PAN-002220, Waste Returns Ref. EPR/DP3699FM) on the Rover Way site into the New Melt Shop permit (Ref. EPR/TP3639BH). This will involve no process changes. It is a simple consolidation of two separate permits into one permit document.
- **Variation Section 02** – Variation to include a new integrated scrap metal recycling centre (incorporating oversize material processing, material processing via vibro-flume and material processing via Eddy Current Separation (ECS) on the Rover Way site (*Figure 2*).
- **Variation Section 03** – Variation to remove Carbon monoxide limit from New Melt Shop permit (Ref. EPR/TP3639BH) in relation to emission point A1 (100 mg/m³, hourly average, continuous monitoring) in-line with current BAT reference documents (BREF). This is a request to bring the current permit in-line with other steel operators across the UK. It would not effect emissions from the current process.
- **Variation Section 04** – Variation of the boundary of the current New Melt Shop permit (Ref. EPR/TP3639BH) to include the existing waste process (Permit Ref. PAN-002220) and the proposed new integrated scrap metal recycling centre. This is an extension of the permit boundary to include the new integrated scrap centre and the existing waste process (Permit Ref. PAN-002220).



Figure 2: View across Celsa's Rover Way site

Date: 15 January 2019

S03 New Integrated Scrap Metal Processing Centre

It is proposed that an integrated scrap metal recycling centre will undertake storage of waste pending the recycling/reclamation of metals and metal compounds within a new standalone processing centre at the northern end of the Rover way site (*Figure 3*).

The processing of the scrap metals will be undertaken wholly within a newly designed and constructed steel portal frame building (approximately 45.8 metres by 31.3 metres) clad in Euroclad 1000/32 single skin steel profiles (colour white - RAL 9401).

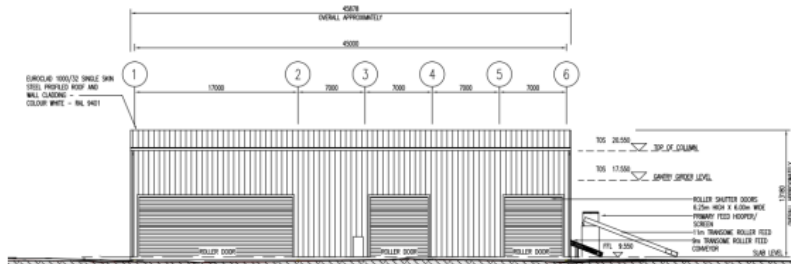


Figure 4: Building profile of proposed scrap processing centre

James Nicholas (2018). New Haith Scrap Sorter, Tremorfa Works, Celsa, proposed elevations, Job No. 18.41, DWG PO2 (19/08/18)

On the south-east elevation of the building will be the primary feed hopper/screen that feeds unprocessed scrap into the building. All scrap metal processing operations will be undertaken wholly within the building apart from vehicle movements to and from the building to the external unprocessed and processed stockpiles.



Figure 3: Location of proposed scrap processing centre

Google Earth Imaging with the permission of Google – Licensed to Earth and Marine Environmental Consultants Ltd.

Environmental Management

Celsa Manufacturing (UK) Ltd has implemented and maintains an Environmental Management System (EMS) that is certified to ISO14001:2015 (Certificate No. ES081434) and EMAS (Reg. No. UK-000178). The EMS continues to be maintained and is externally audited (by Bureau Veritas) whilst delivering all indicative Best Available Technique (BAT) requirements for an effective management system. The current management systems will be updated to include the proposed operations at this site.

Emissions to Air

There will be no new point source emissions to air from stacks or chimneys.

Emissions to Surface Water

There are no new point source emissions to surface water from the installation.

Emissions to Sewer

All drainage systems (including the wastewater treatment plant) are to be connected to the Welsh Water foul sewer (where required). A discharge consent will be held in relation to this emission.

Emissions to Groundwater

There are no emissions to groundwater from the installation.

Emissions to Land

The integrated scrap centre includes a roof rainwater harvesting system that features a soakaway when the maximum storage volumes of rainwater have been exceeded. The discharge to ground will only consist of harvested rainwater and rainwater from the roof level gutters (when not harvested).

Fugitive Dust Emissions

Dust emissions occur at several points in the storage cycle, such as material loading onto the pile, disturbances by strong wind currents, and loadout from the pile. The movement of trucks and loading equipment in the storage pile area is also a source of dust. Best Available Techniques (BAT) will be applied to ensure dust emissions are minimised and controlled at source.

Fugitive Emissions to Land, Surface Water, Sewer and Groundwater

All storage areas will be subject to regular visual inspection. If leaks or spills occur they shall be cleaned up using the current emergency procedures.

Based on the environmental assessment the proposed change will not have a significant change on the environmental impact or environmental risk of the permitted installation.

Further details are provided in the full application document held by NRW.



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