

EPR/GP3337KD Unit 5 Tafarnaubach Industrial Estate, Tredegar, NP22 3AA

Permit Condition 4.2.2 a) review of the results of the monitoring and assessment carried out in accordance with the Permit including an interpretive review of that data.

Introduction

This report is provided to meet the requirements of Permit GP3337KD condition 4.2.2a). The Tafarnaubach facility receives waste solely from the EnviroWales Ltd. Lead thermal metallurgical process located at Rassau Industrial Estate. The furnace waste is stored, processed by physical means and then dispatched to its final destination from the Tafarnaubach waste Facility & none of the other activities listed on the permit are currently carried out there.

Performance review 2022

There are no emissions to air, land, water or sewer from the facility and therefore no requirement in the permit to carry out emissions monitoring. Performance is measured annually in terms of material treated, water and energy used (electricity and diesel only).

Between 2021 and 2022 the process has not altered, and the quantity of material processed is similar due to the consistent nature of the furnace processes at EnviroWales. There has been no additional equipment installed and the energy usage is similar between 2022 and 2021. Consequently the performance between 2021 and 2022 is stable and not significantly different.

Due to the simple mechanical nature of the process (mostly bulk transfer with some crushing and bagging) there are limited opportunities for energy saving but electrical equipment and lighting is always switched off when not in use.

Water used is solely for hygiene purposes and welfare of the staff, and is not used in the Permitted process.

No other raw materials are used in the process and there are no residual wastes produced as all treated waste leaves site in the same chemical form.

Table of comparison 2021 - 2022

Parameter	2021	2022
Slag crushed and removed from site (t)	7028	8151
Slag crushed/tonnes of slag arrived on site %	79%	89%
Total raw material used (t)	0	0
Total amounts of waste treated (t)	7028	8151
Generation of residue waste (t)	0	0
Generation of waste water (t)	0	0
Electricity Usage (kWh)	61,404	61,407
Primary Electricity Usage (MWh)	147.37	147.38
Specific Energy Usage (MWh/t)	0.021	0.018
Water Usage (m ³ /yr)	294	317
Specific Water Usage (m ³ /t)	0.042	0.039
Diesel Usage (litres/yr)	11,100	10,200
Specific Diesel Usage (litres/t)	1.58	1.25

Terri Williams / Brian Kelly 17/02/2023