

22nd January 2025

Mrs E A Parr
PPC Compliance Assistant
Natural Resources Wales
Rivers House
St Mellons Business Park
St Mellons
CARDIFF
CF3 0EY

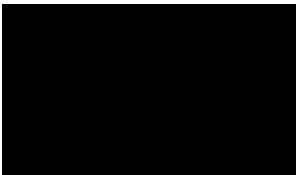
Dear Mrs Parr,

RE: Melt Shop EPR Permit TP3639BH Annual Returns 2024

In accordance with CELSA Manufacturing UK Ltd Environmental Permitting Regulations (EPR) Melt Shop Permit TP3639BH, please find forms E1, PI1 and R1 duly completed for the annual reporting period 2024.

Should you require any further information regarding these works please do not hesitate to contact me.

Yours sincerely,



Environment Manager

Permit Reference Number: TP3639BH

Operator : CELSA Manufacturing (UK) Ltd

Installation: Tremorfa New Melt Shop

Form Number: E1 [11/05/05]

Reporting of Energy Usage for the year2024.....

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy	
Electricity	MWh	932,563.2*	80,462***
Natural Gas	MWh	19,868.21	3,990**
TOTAL	MWh	952,431.41	84,452

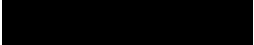
Trends in Energy Usage			
Year	Parameter		
	Primary Energy usage	CO ₂ produced	CO ₂ per unit output
2018	1,124,759	136,109	0.147
2019	1,104,893	127,469	0.132
2020	1,079,248	108,635	0.126
2021	1,133,041	104,114	0.112
2022	1,023,278	87,791	0.105
2023	1,011,057	88,999	0.109
2024	952,431.41	84,452	0.105

* Conversion factor for delivered electricity to primary energy = 2.4

**UK ETS annual submission (pending verification)

*** UK 2024 electricity conversion factor = 0.207074 kgCO₂e/kWh. Invoiced kWh data used in calculation.

Operator's comments:

Signed ... 
(authorised to sign as representative of the Operator)

Date...22nd January 2025

Permit Reference Number : TP3639BH

Operator : CELSA Manufacturing (UK) Ltd

Installation : Tremorfa New Melt Shop

Form Number : PI1 [11/05/05]

Reporting of Performance Indicators for the year2024.....

Annual Production	
Production of liquid steel	803,570 Tonnes liquid steel

Parameter	Quantity	
	Quantity	Units
Electrical energy (delivered)	388,567,908	KWh
Particulates	36,789	Kg
Water	374,283	m ³

Trends in Environmental Performance			
Year	Parameter		
	Electricity consumption (kWh / t LS)	Particulates Released (g / t LS)	Towns / Commercial Water used (m ³ / t LS)
2018	485.01	38.87	0.585
2019	475.40	35.77	0.704
2020	500.17	25.85	0.676
2021	485.38	19.25	0.581
2022	411.74	63.60	0.623
2023	508.126	40.22	0.621
2024	483.552	45.78	0.466

Operator's comments:

Signed 
 (authorised to sign as representative of the Operator)

Date...22nd January 2025


Permit Reference Number: TP3639BH Operator: CELSA Manufacturing (UK) Ltd

Installation: Tremorfa New Melt Shop Form Number: R1 [11/05/05]

Reporting of Waste and By-Product Generation

for the period from 01 January 2024 to 31 December 2024

Parameter (tonnes)	Tonnes sent for off-site disposal as special waste	Tonnes sent for off-site disposal as controlled waste	Tonnes sent for off-site recovery or recycling
EAF Dust Total			12,750
Ferrous metal filings and turnings			88.64
Mill scales Total			10,542
Slag Total			87,390
Oil Contaminated Material			17.86
Waste Oil			45.9
Dry Mixed Recycling			11.92
Food Waste			0.27
General Waste			288.22
Mixed Wood			188.84
Paper and Cardboard			3.1
Green Waste			1.52
Scrap Metal			31,928.84
Heavy waste (Heavy Fraction ASR)			837.06
Light Waste (Light Fraction Fluff)			1,788.41
AL - Shredded Aluminium			21.02
AL - IRONY ALI			14.4
CU - Armatures (Meatballs)			6.04
Zorba			478.96
Zorba (Heavy Fraction 12-40 mm ECS2)			44.16
NI ALLOYS - SS 18/8(304)SOLIDS			18.88
Fines waste			585.50
Fines Waste (Heavy Fraction <12mm)			229.84
Reprocessing Fraction			229.08
Tin Can			285.06
Total Hazardous Waste			12,813.76
Total Non-Hazardous Waste			134,981.76

Signed: 

Date: 22nd January 2025

(authorised to sign a representative of the Operator)