

28th January 2022

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

Our Ref: W:\Environmental\IPPC/Environment Agency Reporting\Permit Reporting\Rod and Bar Mill\Returns\EA\Annual\2021

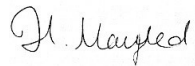
Dear Mrs Parr,

RE: Rod and Bar Mill EPR Permit BV0759IC Annual Returns 2021

In accordance with CELSA Manufacturing UK Ltd Environmental Permitting Regulations (EPR) Rod and Bar Mill Permit BV0759IC, please find forms A2, EW1, R1 and PI1 duly completed for the annual reporting period 2021.

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

Yours sincerely



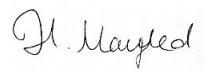
Hannah Mayled
Environmental Advisor

Form Number: A2

Permit Reference Number: **EPR/BV0759IC**
Operator: CELSA Manufacturing (UK) Ltd
Installation: Cardiff Rod and Bar Mill

Release for year ending:	2021
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Reporting Form A2		
Parameter	Limit value (kg)	Annual release (kg)
Oxides of nitrogen annual mass emissions (as NO ₂)	No applicable limit	34,426.65
Oxides of sulphur annual mass emissions (as SO _x)	No applicable limit	Not required – monitoring removed from permit
Carbon Monoxide annual mass emissions	No applicable limit	Not required – monitoring removed from permit
Particulate annual mass emissions	No applicable limit	Not required – monitoring removed from permit

Signed on behalf of the Operator	
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Date	28 January 2022
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Form Number: EW1

Permit Reference Number: **EPR/BV0759IC**

Operator: CELSA Manufacturing (UK) Ltd

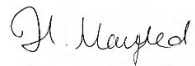
Installation: Cardiff Rod and Bar Mill

Energy and Water Consumption

Release for Calendar Year ending: ...2021

Reporting Form EW1	
Parameter	Quantity
Delivered Electricity MWh	55,404
Primary electricity (delivered x 2.4) MWh	128,170
Primary carbon dioxide (primary electricity x 0.166) te	21,276
Delivered gas MWh	267,224
Process water used m ³	95,663

Signed on behalf of the Operator



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Date ...28 January 2022

Date of Form: 29/01/21

Form Number: R1

Permit Reference Number: **EPR/BV0759IC**
 Operator: CELSA Manufacturing (UK) Ltd
 Installation: Cardiff Rod and Bar Mill

Reporting of Waste Disposal and Recovery for the year2021.....

Waste Description	Disposal			Recovery
	Waste	Route	Tonnes	Tonnes
1) Hazardous Wastes	Used oils / Grease / Oil Filters	Recovery		17.42
Named hazardous waste	Oils / Rags / Filters / Chemicals	Recovery		18.84
	Mineral-based non-chlorinated hydraulic oils			0
	Oil from oil/water separators			0
Other hazardous wastes	Hoses	Recovery		1.5
	Paint Tins	Recovery		0
	Oil & Water			0
	Contaminated scale	Recovery		0.75
	Fluorescent tubes	Recovery		0.215
Total hazardous waste			0.00	38.725
2) Non-Hazardous Wastes	Gen Waste	Recycling		89.620
Named non-haz. Waste	Scrap Metal	Recovery		8,252.86
Other non-hazardous wastes	Mill Scale	Recovery		11,781.19
	Dry Mixed Recycling	Recycling		10.05
	Organic Waste	Recovery		0.07
	Wood	Recycling		100.22
	WEEE	Recycling		6.92
	Green Waste	Recycling		0.64

Date of Form: 29/01/22

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Total non-hazardous waste			0.00	20,241.57
TOTAL WASTE			0.00	20,280.30

Operator's comments:

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

Date...28 January 2022

Form Number: PI1 - Environmental Performance Indicators

Permit Reference Number: **EPR/BV0759IC**

Operator: CELSA Manufacturing (UK) Ltd

Installation: Cardiff Rod and Bar Mill

Reporting of Performance Indicators for the year ...2021.....

Parameter	Annual Average	Units
Delivery of Raw Billet	710,946	Steel delivered [tonnes]
Production of rolled steel product	694,692	Steel produced [tonnes]
Water Usage	137.71	Water supplied per tonne of rolled steel [litres]
Usage of oils	0.42	Oil usage per tonne of rolled steel [litres]
NOx production	0.050	NOx release per tonne of steel rolled [kg]
SOx production	N/A	SOx release per tonne of steel rolled [kg]
Waste Hazard Score		
Waste Disposal Score		

Year	Delivery of Raw Billet	Production of rolled steel product	Water supplied per tonne of rolled steel [litres]	Oil usage per tonne of rolled steel [litres]	NOx production per tonne of rolled steel [kg]	SOx production per tonne of rolled steel [kg]	Waste Hazard Score	Waste Disposal Score
2011	710,654	681,479	139	0.458	0.098	N/A		
2012	742,452	716,378	132	0.296	0.053	N/A		
2013	679,314	660,150	138.4	0.271	0.078	N/A		
2014	677,881	656,948	128.91	0.248	0.066	N/A		
2015	779,027	713,941	163.84	0.272	0.082	N/A		
2016	733,006	711,180	163.29	0.261	0.069	N/A		
2017	685,262	665,837	193.44	0.340	0.033	N/A		
2018	706,583	685,973	207.46	0.348	0.09	N/A		

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2019	714,746	695,199	188.0	0.456	0.055	N/A		
2020	645,391	627,514	93.17	0.310	0.081	N/A		
2021	710,946	694,692	137.71	0.420	0.050	N/A		

Operator's comments :

Signed *H. Mayfield*

Date.....28 January 2022