

Permit Reference Number: BS3905
Operator: Tata Steel UK
Installation: Llanwern Steel Works

Form Number: A1/4
Date of Form: 01/09/09

Release for year ending: 2023

Reporting Form A1/4		
Parameter	Limit value (kg)	Annual release
Oxides of nitrogen annual mass emissions (as NO ₂)	None	10.20 tonnes
Carbon Monoxide annual mass emissions	None	17.77 tonnes
Particulate annual mass emissions [*2]	None	0.11 tonnes
Hydrogen Chloride annual mass emissions [*1]	None	0.0916 tonnes
Oil mist annual mass emissions	None	Unquantified. Ref to Imp item Submission 9.9

[*1] HCl values based on actual concentrations and measured flowrates in conjunction with operating hours per annum

[*2] Particulate emissions as above, but includes also an estimation for NG, using an assumed 1 mg/Nm³ concentration factor applied to the Natural Gas usage volume @ 3% O₂

Signed
(authorised to sign as representative of the Operator)

Date 31 January 2024

Permit Reference Number: BS3905
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Installation: Llanwern Steel Works

Form Number: EW1
Date of Form: 01/09/09

Energy and Water Consumption

Consumption for Calendar Year ending: 2023

Reporting Form EW1	
Parameter	Quantity
Delivered Electricity MWh	161104 MWh
Primary electricity (delivered x2.4) MWh	386649.6 MWh
Primary carbon dioxide (primary electricity x 0.166) te	64183.8 MWh
Delivered gas MWh	167781 MWh
Process water used m ³	1,341,899 m ³

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Date 31 January 2024

Permit Reference Number: BS3905
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 Installation: Llanwern Steel Works

Form Number: R1
 Date of Form: 01/09/09
 Reporting of Waste Disposal and Recovery for the year: 2023

Waste Description	Waste	Route	Disposal (tonnes)	Recovery (tonnes)
1) Hazardous Waste				
Named hazardous waste	Contaminated PPE + Spill-Sorb	Off Site Disposal	25.46	Nil
	Oil	Off Site Disposal/Recovery	132,564	Nil
	Passivation Waste	Off Site Disposal	12.5	Nil
	WEEE	Off Site Recovery	Nil	14.98
	Tank & Separator Sludge	Off Site Recovery	Nil	10.46
	Asbestos	Off Site Disposal	0.220	Nil
	Oil removed from Transformers	Off Site Disposal	145,180	Nil
Other hazardous wastes	----	----	----	----
Total hazardous waste			315,924	25.44

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2) Non-Hazardous Wastes			
Named non-Haz waste	Bricks & Rubble	Off Site Recovery	Nil
	Pickle Line ETP Cake	Recovery	Nil
	Wood	Recycling	Nil
	Scrap Metal	Recycling	Nil
	'General' Waste	Off Site disposal/ Recovery	103.71
	Scale	Recycling	Nil
	Paper & Cardboard	Recycling	Nil
	Plastic	Off Site Recovery with mixed recycling	Nil
	Glass	Off Site Recovery	Nil
	Zinc Dross	Off Site Recovery	Nil
	Mixed Recycling	Off Site Recovery	Nil
	Cables	Off Site Recovery	Nil
	Corex	Recycling	Nil
	Welding Waste	Off Site Disposal	13.52
	Mixed Metals	Recycling	Nil
Other non-haz waste			
Total non-haz waste			117.23
TOTAL WASTE			433.154
			58221.27
			58246.71

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Date 31 January 2024

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Form Number: P11 - Environmental Performance Indicators
 Date of Form: 01/09/09

Reporting of Performance Indicators for the year: 2023

Process Area	Water supplied per tonne of rolled steel, litres	Oil used per tonne of rolled steel, litres	Performance Indicator		Waste disposal per tonne of rolled steel (excluding material sent for recovery), kg
			Substances released into the air per tonne of rolled steel, kg	CO2	
Hot Mill	955.10	*Nil	*Nil	*Nil	0.2
Cold Mill		0.21	**Nil		
Zodiac		0.13	.015	49.3	

* Non Operational.
 ** Not Required

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Date 31 January 2024

