

Permit Reference Number: BS3905

Operator: Tata Steel UK

Installation: Llanwern Steel Works

Form Number: A1/4

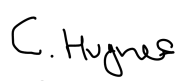
Date of Form: 01/09/09

Release for year ending: 2021

Reporting Form A1/4		
Parameter	Limit value (kg)	Annual release
Oxides of nitrogen annual mass emissions (as NO ₂)	None	23.88 tonnes
Carbon Monoxide annual mass emissions	None	5.51 tonnes
Particulate annual mass emissions [*2]	None	0.13 tonnes
Hydrogen Chloride annual mass emissions [*1]	None	0.21 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. Chromate 2014 figures used for calculation.

[*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  **Calum Hughes**
(authorised to sign as representative of the Operator)

Date04 February 2021.....

Permit Reference Number: BS3905

Operator: Tata Steel UK

Installation: Llanwern Steel Works

Form Number: EW1

Date of Form: 01/09/09

Energy and Water Consumption

Consumption for Calendar Year ending: 2021

Reporting Form EW1	
Parameter	Quantity
Delivered Electricity MWh	144,091 MWh
Primary electricity (delivered x2.4) MWh	345,818.4 MWh
Primary carbon dioxide (primary electricity x 0.166) te	57,405.9 MWh
Delivered gas MWh	171,180 MWh
Process water used m ³	1,754,000 m3

Signed



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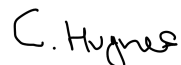
Form Number: R1

Date of Form: 01/09/09

Reporting of Waste Disposal and Recovery for the year: 2021

Waste Description	Waste	Route	Disposal (tonnes)	Recovery (tonnes)
1) Hazardous Waste				
Named hazardous waste	Drums Contam PPE + Spill-Sorb	Off Site Disposal	44.56	*Nil
	Oil	Off Site Recovery	*Nil	136.14
	Passivation Waste	Off Site Disposal	13.6	*Nil
	WEEE	Off Site Recovery	*Nil	8
	Tank & Separator Sludge	Off Site Disposal	9.56	*Nil
	Batteries	Off Site Recovery	*Nil	0
	Fluoro Tubes	Off Site Recovery	*Nil	0
	Contaminated Hoses	Off Site Recovery	22	*Nil
Other hazardous wastes	---	---	---	---
Total hazardous waste			89.72	144.14

*Different disposal/recovery route

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2) Non-Hazardous Wastes				
Named non-Haz waste	Bricks & Rubble	Off Site Recovery	*Nil	113.9
	Pickle Line ETP Cake	PT Landfill	161.9	*Nil
	Wood	Recycling	*Nil	140.1
	Scrap Metal	PT BOS / 3rd Party	*Nil	60388.4
	'General' Waste	Off Site Landfill/ Recovery	*Nil	269.25
	Scale	Recycling	*Nil	26.4
	Paper & Cardboard	Recycling	*Nil	9.7
	Plastic	Off Site Recovery	*Nil	0
	Paint Tins	Off Site Disposal	4.1	*Nil
	Zinc Dross	Off Site Recovery	*Nil	1039.6
	Mixed Recycling	Off Site Recovery	*Nil	8.4
	Cables	Off Site Recovery	*Nil	0
	Corex	Recycling	*Nil	14.8
	Welding Waste	Off Site Disposal	9.1	*Nil
Other non-haz waste	Mixed Metals	Recycling	*Nil	12.75
Total non-haz waste			175.1	62023.3
TOTAL WASTE			265.27	62167.44

* Different disposal/recovery route

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Form Number: PI1 - Environmental Performance Indicators

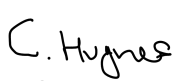
Date of Form: 01/09/09

Reporting of Performance Indicators for the year: 2021

Process Area	Performance Indicator				
	Water supplied per tonne of rolled steel, litres	Oil used per tonne of rolled steel, litres	Substances released into the air per tonne of rolled steel, kg		Waste disposal per tonne of rolled steel (excluding material sent for recovery), kg
			NOx (as NO2)	CO2	
Hot Mill	1321.7	*Nil	*Nil	*Nil	0.2
Cold Mill		0.08	**Nil		
Zodiac		0.2	.034	48.8	

* Non Operational.

** Not Required

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Date04 February 2021.....