

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: 2020

Reporting Form A1/4		
Parameter	Limit value (kg)	Annual release
Oxides of nitrogen annual mass emissions (as NO ₂)	None	20.21 tonnes
Carbon Monoxide annual mass emissions	None	4.72 tonnes
Particulate annual mass emissions [*2]	None	0.13 tonnes
Hydrogen Chloride annual mass emissions [*1]	None	6.03 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  **Andrew Townsend** Date26th February 2021.....
(authorised to sign as representative of the Operator)

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: 2020

Reporting Form EW1	
Parameter	Quantity
Delivered Electricity MWh	115962
Primary electricity (delivered x2.4) Mwh	278309
Primary carbon dioxide (primary electricity x 0.166) te	46199
Delivered gas MWh	145817 (525 TJ)
Process water used m ³	1504645

Signed



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Permit Reference Number: BS3905

Operator: Tata Steel UK

Installation: Llanwern Steel Works


Form Number: R1

Date of Form: 01/09/09

Reporting of Waste Disposal and Recovery for the year: 2020

Waste Description	Waste	Route	Disposal (tonnes)	Recovery (tonnes)
1) Hazardous Waste				
Named hazardous waste	(1) Drums Contam PPE + Spill-Sorb	(1) Off Site Recovery		27.3
	(2) Oil	(2) Off Site Recovery		127.45
	(3) Chromate Waste	(3) Off Site Disposal	0	
	(4) WEEE	(4) Off Site Recovery		0
	(8) Tank & Separator Sludge	(8) Off Site Disposal	32.61	
	(9) Batteries	(9) Off Site Recovery		0.0
	(10) Fluoro Tubes	(10) Off Site Recovery		0.66
	(11) Contaminated Hoses	(12) Off Site Recovery		0
Other hazardous wastes	---	---	---	---
Total hazardous waste				188.02

Signed



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2) Non-Hazardous Wastes			
Named non-Haz waste	(1) Bricks & Rubble	(1) Off Site Recovery	8.24
	(2) Pickle Line ETP Cake	(2) PT Landfill	142.06
	(3) Wood	(3) Recycling	146.96
	(4) Scrap Metal	(4) PT BOS / 3rd Party	47820
	(5) 'General' Waste	(5) Off Site Landfill/ Recovery	236.60
	(7) Hot Mill Scale & Cake	(7) Off Site Treatment	0
	(8) Paper & Cardboard	(8) Recycling	30.2
	(9) Plastic	(9) Off Site Recovery	21.7
	(10) Paint Tins	(10) Off Site Recovery	0.00
	(11) Zinc Dross	(11) Off Site Recovery	0
	(12) Mixed Recycling	(12) Off Site Recovery	5.32
	(13) Cables	(12) Off Site Recovery	0.00
	(14) Corex	(14) Recycling	14.45
	(15) Welding Waste	(15) Off Site Disposal	36.83
	Other non-haz waste	---	---
Total non-haz waste			415.49
TOTAL WASTE			64,045.09
Operator's comments: All waste data compiled from: Waste Management Contractors, and Accounting function(s)			

Signed



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Form Number: PI1 - Environmental Performance Indicators

Date of Form: 01/09/09


Reporting of Performance Indicators for the year: 2020

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		_*	_*	*_	
Cold Mill	1,679	0.27			0.8
Zodiac		0.34	0.039	57.2	

* Non Operational.

Operator's comments:

- Only 'total' water usage KPI values available
- Total water = 2,014,741 m³ (Process) + 27,191 m³ (Domestic) = 2,041,932 m³
- Galv tonnage 476,143t, HRP tonnage 0t, CRP tonnage 739,746t
- Oil usage data: HRP 0 litres, CRP 172,289 litres , Zodiac 160,025 litres

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