

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: 2018

Reporting Form A1/4		
Parameter	Limit value (kg)	Annual release
Oxides of nitrogen annual mass emissions (as NO ₂)	None	29.4 tonnes
Carbon Monoxide annual mass emissions	None	6.91 tonnes
Particulate annual mass emissions [*2]	None	0.73 tonnes
Hydrogen Chloride annual mass emissions [*1]	None	0.89 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 **Michael Launder**
(authorised to sign as representative of the Operator)

Date31 January 2019.....

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: 2018

Reporting Form EW1	
Parameter	Quantity
Delivered Electricity MWh	121,337
Primary electricity (delivered x2.4) Mwh	291,210
Primary carbon dioxide (primary electricity x 0.166) te	48,340
Delivered gas MWh	212,125 (763 TJ)
Process water used m ³	2,549,663

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(authorised to sign as representative of the Operator)

Date31 January 2019.....

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: 2018

Waste Description	Waste	Route	Disposal (tonnes)	Recovery (tonnes)
1) Hazardous Waste				
Named hazardous waste	(1) Drums Contam PPE + Spill -Sorb	(1) Off Site Recovery		43.96
	(2) Oil	(2) Off Site Recovery		127.45
	(3) Chromate Waste	(3) Off Site Disposal	53	
	(4) WEEE	(4) Off Site Recovery		11.12
	(8) Tank & Separator Sludge	(8) Off Site Disposal	10	
	(9) Batteries	(9) Off Site Recovery		0.72
	(10) Fluoro Tubes	(10) Off Site Recovery		0.00
	(11) Contaminated Hoses	(12) Off Site Recovery		13.64
Other hazardous wastes	---	---	---	---
Total hazardous waste			63	196.86

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2) Non-Hazardous Wastes			
Named non-Haz waste	(1) Bricks & Rubble	(1) Off Site Recovery	93.98
	(2) Pickle Line ETP Cake	(2) PT Landfill	272.54
	(3) Wood	(3) Recycling	83.72
	(4) Scrap Metal	(4) PT BOS / 3rd Party	66,689
	(5) 'General' Waste	(5) Off Site Landfill/ Recovery	320.45
	(7) Hot Mill Scale & Cake	(7) Off Site Treatment	1,801
	(8) Paper & Cardboard	(8) Recycling	63.88
	(9) Plastic	(9) Off Site Recovery	0
	(10) Paint Tins	(10) Off Site Recovery	6.04
	(11) Zinc Dross	(11) Off Site Recovery	0
	(12) Mixed Recycling	(12) Off Site Recovery	16.30
	(13) Cables	(12) Off Site Recovery	0.00
	(14) Corex	(14) Recycling	21.48
	(15) Welding Waste	(15) Off Site Disposal	11.43
	Other non-haz waste	---	---
Total non-haz waste			610.46
TOTAL WASTE			673.46
Operator's comments: All waste data compiled from: Waste Management Contractors, and Accounting function(s)			

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Form Number: PI1 - Environmental Performance Indicators

Date of Form: 01/09/09

Reporting of Performance Indicators for the year: 2018

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	1,829	0.07			0.48
Zodiac		0.25	0.0164	24.1	

* Non Operational.

Operator's comments:

- Only 'total' water usage KPI values available
- Total water = 2,509,677 m³ (Process) + 39,986 m³ (Domestic) = 2,549,663m³
- Galv tonnage 516,596t, HRP tonnage 0t, CRP tonnage 877,395t
- Oil usage data: HRP 0 litres, CRP 64,950 litres , Zodiac 127,675 litres

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