

Permit Reference Number: CP3333BQ

Operator: Tata Steel UK Ltd

Installation: Orb Works, Newport

Form Number: E1

Reporting of Energy Usage for the Year 2018

Delivered Electricity MWh	89,952
Primary electricity MWh	215,885
Primary carbon dioxide, tonnes	35,837
Delivered gas MWh	100,753
TOTAL ENERGY USE, MWh	190,705

Conversion factor for delivered electricity to primary electricity = Delivered x 2.4

Conversion factor for primary carbon dioxide = Primary electricity x 0.166 tonnes

	Primary Energy usage	CO ₂ produced	CO ₂ per unit output Tonnes CO ₂ / tonne steel
2005	321,537	53,375	0.36
2006	337,919	56,095	0.40
2007	330,699	54,896	0.44
2008	325,169	53,978	0.57
2009	234,164	38,870	0.66
2010	298,176	49,497	0.66
2011	305,724	50,750	0.67
2012	281,652	46,754	0.62
2013	279,958	46,473	0.62
2014	267,278	44,368	0.64
2015	253,634	42,103	0.64
2016	220,500	36,603	0.66
2017	239,506	39,758	0.67
2018	190,705	35,837	0.70

Operator's comments :

50,985 tonnes of steel produced during the year.

Signed N. Webb.....
(Authorised to sign as representative of the Operator)

Date...05/02/19.....

Permit Reference Number: CP3333BQ

Operator: Tata Steel UK Ltd

Installation: Orb Works, Newport

Form Number: WU1

Release for year: 2018

Reporting Form WU1					
Activity	Use	Amount (m ³)	% of total	Amount used for previous year (m ³ /yr)	% change
Mains water received	Supply	402,216	100.0	478,924	-16.0
Other	Domestic	0			
	Total Water Use	402,216			

Operator's comments :

14th year of reported figures.

Signed N. Webb.....
(Authorised to sign as representative of the Operator)

Date.....05/02/19.....

Permit Reference Number: CP3333BQ

Operator: Tata Steel UK Ltd

Installation: Orb Works, Newport

Form Number: R1

Reporting of Waste Disposal and Recovery for the Year 2018

	Route	Disposal Tonnes	Recovery Tonnes
	Tonnes		
Hazardous Wastes			
Named hazardous wastes	824.64	824.64	
Other hazardous wastes			
Total hazardous waste			
Non-Hazardous Wastes			
Named non-hazardous wastes	3,050.82	715.84	2,334.98
Other non-hazardous wastes			
Total non-hazardous waste			
TOTAL WASTE	3,875.46	1,540.48	2,334.98

Year	Parameter		
	Named Waste	Total Waste	Waste per unit output Tonnes waste / tonne steel
2005	6,916.82	6,916.82	0.047
2006	7,514.45	7,514.45	0.053
2007	6,586.55	6,586.55	0.053
2008	6,991.53	6,991.53	0.073
2009	6,385.12	6,385.12	0.108
2010	7,360.47	7,360.47	0.098
2011	7,085.22	7,085.22	0.094
2012	4,784.81	4,784.81	0.063
2013	5,804.56	5,804.56	0.077
2014	4,394.30	4,394.30	0.063
2015	4,013.18	4,013.18	0.049
2016	3,261.53	3,261.53	0.059
2017	3,404.52	3,404.52	0.057
2018	3,875.46	3,875.46	0.076

Operator's comments : Recovery tonnes increased by ~1,700 tonnes

Signed N. Webb.....
(Authorised to sign as representative of the Operator)

Date...05/02/19.....

Permit Reference Number: CP3333BQ

Operator: Tata Steel UK Ltd

Installation: Orb Works, Newport

Form Number: MR1

Reporting Mercury for the Year 2018

Parameter Mercury & its compounds	Limit	kg	mg/l ⁻¹
Theoretical Max value Mercury	N/a	0.167	0.0006

	Mercury / kg	Mercury / mg/l ⁻¹	
2005	3.36		
2006	0.49		
2007	0.49		
2008	0.64		
2009	0.44		
2010	0.53		
2011	0.54		
2012	0.30		
2013	0.22		
2014	0.21	0.0009	
2015	0.18	0.0007	
2016	0.13	0.0005	
2017	0.16	0.0007	
2018	0.17	0.0006	

Operator's comments :

Result is the maximum figure based upon Hydrochloric Acid supplier's stated mercury concentration of 0.1mg/kg max. and all mercury discharged to river.

Signed N. Webb.....
(Authorised to sign as representative of the Operator)

Date...05/02/19.....

Date of Form: 05/10/2004