

Permit Reference Number: BS3905

Operator: Tata Steel UK

Installation: Llanwern Steel Works

Form Number: A1/1

Date of Form: 01/09/09

Reporting of Emissions to Air for the period from 01/01/2016 to 31/03/2016							
Emission Point	Substance / Parameter	Emission Limit Value	Result (mg/Nm3)	Test Method	Sample Date and Times	Accreditation / Certification	Uncertainty (+/- mg/Nm3)
A1* SRF No1	NOx (as NO2)	400 mg/m3	---	Electrochemical Cell - BSEN15058 & BSEN14792	---	Level 2 Mcerts	---
	CO	None	---		---		---
A2* SRF No2	NOx (as NO2)	400 mg/m3	---		---		---
	CO	None	---		---		---
A3* SRF No3	NOx (as NO2)	400 mg/m3	---		---		---
	CO	None	---		---		---
A4* SRF No4	NOx (as NO2)	400 mg/m3	---		---		---
	CO	None	---		---		---
A5* SRF No5	NOx (as NO2)	400 mg/m3	---		---		---
	CO	None	---		---		---
None	Gas oil sulphur	0.2 w/w	---	---	---	---	---

* Emission points not in use during mothball

Signed
(authorised to sign as representative of the Operator)

Date05/04/2016.....

Permit Reference Number: BS3905

Operator: Tata Steel UK

Installation: Llanwern Steel Works

Form Number: A1/2

Date of Form: 01/09/09

Reporting of Emissions to Air for the period from 01/01/2016 to 31/03/2016								
Emission Point	Substance / Parameter		Emission Limit Value	Result (mg/Nm3)	Test Method	Sample Date and Times	Accreditation / Certification	Uncertainty (+/- mg/Nm3)
A11 Zodiac Furnace	NOx (as NO2)		350 mg/m3	95.0	Electrochemical Cell - BSEN15058 & BSEN14792	12/01/2016 11:23-11:38	Level 2 Mcerts	5
	CO		None	1477.7				73.5
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	121.2		12/01/2016 10:21-10:26		4.3
		CO	None	0.0				1.2
		A15 Boiler No2	Gas Oil	NOx (as NO2)		200 mg/m3		---
CO	None			---		---		---
Natural Gas	NOx (as NO2)		140 mg/m3	130.9		12/01/2016 10:40-10:55		4.5
	CO		None	0.0				1.1
	A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3		---		---
CO			None	---		---		---
Natural Gas		NOx (as NO2)	140 mg/m3	---		---		---
		CO	None	---		---		---

Signed
(authorised to sign as representative of the Operator)

Date05/04/2016.....

Permit Reference Number: BS3905

Operator: Tata Steel UK

Installation: Llanwern Steel Works

Form Number: A1/3

Date of Form: 01/09/09

Reporting of Emissions to Air for the period from 01/01/2016 to 31/03/2016 [plus annual info]							
Emission Point	Substance / Parameter	Emission Limit Value	Result (mg/Nm3)	Test Method	Sample Date and Times	Accreditation / Certification	Uncertainty (+/- mg/Nm3)
A6 Pickle Line No1	HCl	10 mg/m3	---	BS EN 1911	---	Level 2 Mcerts	---
A7 Pickle Line No2	HCl	10 mg/m3	4.7		23/02/2016 11:44 – 12:52		1.9
A8 Pickle Line Roof Vent	HCl	5 mg/m3	---				
A9 Cold Mill Oil Mist Vent	Oil mist	15 mg/m3	---				
A10 Zodiac Cleaner	Particulate matter	5 mg/m3	3.1	BS EN 13284	16/02/2016 10:49 – 12:42	Level 2 Mcerts	1.8
A12 Zodiac Chromate	Particulate matter	5 mg/m3	---		---		---
A13 Welder Stack	Particulate matter	5 mg/m3	---		---		---
A17 Pickle Line Scalemaster	Particulate matter	5 mg/m3	2		10/02/2016 10:32 – 12:11		1.2

Signed
(authorised to sign as representative of the Operator)

Date05/04/2016.....

Permit Reference Number: BS3905

Operator: Tata Steel UK

Installation: Llanwern Steel Works

Form Number: W1

Date of Form: 01/09/09

Reporting of Emissions to Water for the period from 01/01/2016 to 31/03/2016			
Parameter	Limit	Daily Max	Daily Mean
Flow Rate	28000 m3/day (dry weather)	---	4211.1
pH min	6	7.9	10.5
pH max	12	11.6	
Total Hydrocarbon Oil	5 mg/l	2.9	0.8
Suspended solids	100 mg/l	180	43.7
Dissolved iron	10 mg/l	0.28	0.05
Total chromium	0.2 mg/l	0.1	0.02
Dissolved nickel	0.2 mg/l	0.07	0.02
Zinc	2 mg/l	0.86	0.08
Copper	0.1 mg/l	0.01	0.01
Lead	0.8 mg/l	0.08	0.02
Cadmium	0.05 mg/l	0.01	0.01
Mercury	0.05 mg/l	0.01	0.01
Ammoniacal Nitrogen	None	0.9	0.2

Signed 
(authorised to sign as representative of the Operator)

Date05/04/2016.....