

Permit Reference Number: BS3905

Operator: Tata Steel UK

Installation: Llanwern Steel Works

Form Number: A1/1

Date of Form: 01/10/15

Reporting of Emissions to Air for the period from 01/10/15 to 31/12/15							
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)

Date27/01/2016.....

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 01/10/15 to 31/12/15							
Emission Point	Substance / Parameter		Emission Limit Value	Result (mg/Nm3)	Test Method	Sample Date and Times	Uncertainty (+/- mg/Nm3)
A11 Zodiac Furnace	NOx (as NO2)		350 mg/m3	130.6	Electrochemical Cell - BSEN15058 & BSEN14792	27/10/15 11:56 - 12:11	8.4
	CO		None	57.4		---	4.8
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---		---	---
	Natural Gas	NOx (as NO2)	140 mg/m3	103.5		29/10/2015 10:22 - 10:37	3.6
		CO	None	0.0		---	1.1
A15 Boiler No2	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---		---	---
	Natural Gas	NOx (as NO2)	140 mg/m3	---		---	3.8
		CO	None	---		---	1.1
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---		---	---
	Natural Gas	NOx (as NO2)	140 mg/m3	114.5		29/10/2015 10:47 - 11:02	4.0
		CO	None	0		---	1.1

Signed
(authorised to sign as representative of the Operator)

Date27/01/2016.....

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 01/10/15 to 31/12/15 [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	24.0		15/09/15 11:58 - 13:05		9.6
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	2.3	BS EN 13284	25/03/15 10:37 - 12:27	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	1.0		17/03/15 10:56 - 12:44		0.8

* Emission point not in use during mothball

Signed
(authorised to sign as representative of the Operator)

Date27/01/2016.....

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 01/10/15 to 31/12/15			
Parameter	Limit	Daily Max	Daily Mean
Flow Rate	28000 m3/day (dry weather)	---	22849.8
pH min	6	6.6	9
pH max	12	11.4	
Total Hydrocarbon Oil	5 mg/l	7.5	0.7
Suspended solids	100 mg/l	444	34
Dissolved iron	10 mg/l	0.3	0.03
Total chromium	0.2 mg/l	0.02	0.01
Dissolved nickel	0.2 mg/l	0.47	0.02
Zinc	2 mg/l	0.08	0.02
Copper	0.1 mg/l	0.16	0.01
Lead	0.8 mg/l	0.16	0.02
Cadmium	0.05 mg/l	0.01	0.01
Mercury	0.05 mg/l	0.04	0.02
Ammoniacal Nitrogen	None	2	0.25

* Awaiting on third party report, will be re-submitted when received. See email to NRW subject Permit BS3905IP December Returns 2015. Date 28/01/2016.

Signed 
(authorised to sign as representative of the Operator)

Date27/01/2016.....