

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 01/01/2017 to 31/03/2017							
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  **Jason Heatman**
 (authorised to sign as representative of the Operator)

Date24/04/2017.....

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 01/01/2017 to 31/03/2017								
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	105.3	Electrochemical Cell - BSEN15058 & BSEN14792	29/03/2017 12:25-12:40	Level 2 Mcerts	6.7
	CO		None	64.9				4.8
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	(i)				4.0
		CO	None	(i)				1.1
A15 Boiler No2	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	127.8		28/03/2017 12:01-12:17		4.4
		CO	None	0.0				0.9
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	117.0		28/03/2017 11:44-11:59		4.1
		CO	None	0.0				1.2

(i) Non-operational during sampling

Signed  **Jason Heatman**
(authorised to sign as representative of the Operator)

Date24/04/2017.....

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 01/01/2017 to 31/03/2017 [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	4.6		29/03/2017 10:41-11:48		0.4
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	---	BS EN 13284	---	Level 2 Mcerts	---
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	---		---		---

*Non operational

R – annual sample previously reported

Signed  Jason Heatman
(authorised to sign as representative of the Operator)

Date24/04/2017.....

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 01/01/2017 to 31/03/2017			
Parameter	Limit	Daily Max	Daily Mean
Flow Rate	28000 m ³ /day (dry weather)	---	23,530*
pH min	6	7.7	10.3
pH max	12	11.9	
Total Hydrocarbon Oil*	5 mg/l	4.7	1.18
Suspended solids**	100 mg/l	80	34.8
Dissolved iron	10 mg/l	0.1	0.04
Total chromium	0.2 mg/l	0.041	0.02
Dissolved nickel	0.2 mg/l	0.047	0.025
Zinc	2 mg/l	0.12	0.053
Copper	0.1 mg/l	0.042	0.018
Lead	0.8 mg/l	0.068	0.024
Cadmium	0.05 mg/l	0.020	0.009
Mercury	0.05 mg/l	0.002	<0.0004
Ammoniacal Nitrogen	None	1.4	0.37

*Includes wet flow conditions

Signed  **Jason Heatman**
(authorised to sign as representative of the Operator)

Date24/04/2017.....