

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 01/04/2016 to 30/06/2016							
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)

Date18/07/2016.....

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 01/04/2016 to 30/06/2016								
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	108	Electrochemical Cell - BSEN15058 & BSEN14792	18/04/2016 14:09-14:25	Level 2 Mcerts	5
	CO		None	177				8.6
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	---		---		---
		CO	None	---		---		---
A15 Boiler No2	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	131		18/04/2016 12:54-13:10		4.6
		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	127		18/04/2016 13:18-13:34		5.9
		CO	None	0.0				11.6

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Date18/07/2016.....

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 01/04/2016 to 30/06/2016 [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	0.3		15/06/2016 10:42 – 11:40		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	R ---	Level 2 Mcerts	---
A12 Zodiac Chromate	Particulate matter	5 mg/m3	2.2		08/04/2016 13:10 - 14:27		1.0
A13 Welder Stack	Particulate matter	5 mg/m3	---		---		---
A17 Pickle Line Scalemaster	Particulate matter	5 mg/m3	---		R ---		---

*Non operational

R – annual sample previously reported

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Date18/07/2016.....

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 01/04/2016 to 30/06/2016			
Parameter	Limit	Daily Max	Daily Mean
Flow Rate	28000 m3/day (dry weather)	---	1494.8
pH min	6	8.4	10.3
pH max	12	11.2	
Total Hydrocarbon Oil*	5 mg/l	6.6	1.3
Suspended solids	100 mg/l	96.0	29.7
Dissolved iron	10 mg/l	0.20	0.02
Total chromium	0.2 mg/l	0.01	0.01
Dissolved nickel	0.2 mg/l	0.10	0.02
Zinc	2 mg/l	0.21	0.03
Copper	0.1 mg/l	0.01	0.01
Lead	0.8 mg/l	0.01	0.01
Cadmium	0.05 mg/l	0.01	0.01
Mercury	0.05 mg/l	0.01	0.01
Ammoniacal Nitrogen	None	0.4	1.0

*Level not reportable due to note 3 on page 6 within the permit.

Signed
(authorised to sign as representative of the Operator)

Date18/07/2016.....