

Permit Reference Number: BS3905
 Operator: Tata Steel UK
 Installation: Llanwern Steel Works
 Form Number: A1/1
 Date of Form: 01/09/09

26 JAN 2015

Reporting of Emissions to Air for the period from 01/10/14 to 31/12/14							
Emission Point	Substance / Parameter	Emission Limit Value	Result (mg/Nm ³)	Test Method	Sample Date and Times	Accreditation / Certification	Uncertainty (+/- mg/Nm ³)
A1 SRF No1	NOx (as NO ₂)	400 mg/m ³	172.2	Electrochemical Cell - BSEN15058 & BSEN14792	11/12/14 12:59 - 13:15	Level 2 Mcerts	5.8
	CO	None	0.0		---		1.0
A2 SRF No2	NOx (as NO ₂)	400 mg/m ³	---		---		---
	CO	None	---		---		---
A3 SRF No3	NOx (as NO ₂)	400 mg/m ³	---		---		---
	CO	None	---		---		---
A4 SRF No4	NOx (as NO ₂)	400 mg/m ³	---		---		---
	CO	None	---		---		---
A5 SRF No5	NOx (as NO ₂)	400 mg/m ³	259.9		11/12/14 13:19 - 13:34		8.7
	CO	None	0.0		---		1.1
None	Gas oil sulphur	0.2 w/w	---	---	---	---	---

Signed
 (authorised to sign as representative of the Operator)
 Date26/01/2015.....

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 01/10/14 to 31/12/14								
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	141.2	Electrochemical Cell - BSEN15058 & BSEN14792	03/12/14	Level 2 Mcerts	8.3
	CO		None	87.0		13:00 - 13:16		7.1
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	133.0		20/10/14		4.5
		CO	None	0.6		14:51 - 15:07		1.1
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	109.9		20/10/14		3.9
		CO	None	0.3		14:29 - 14:45		1.3

Signed  **Date** 26/01/2015
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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 01/10/14 to 31/12/14 [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	7.9		14/11/14 10:33 - 12:15		3.2
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	0.2		20/02/2014 10:55 - 12:40	Level 2 Mcerts	1.2
A12 Zodiac Chromate	Particulate matter	5 mg/m3	4.4		03/12/14 10:35 - 12:33		2.2
A13 Welder Stack	Particulate matter	5 mg/m3	0.7		18/03/14 11:20 - 13:28		0.6
A17 Pickle Line Scalemaster	Particulate matter	5 mg/m3	0.7		13/02/14 11:09 - 13:03		0.7

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Date26/01/2015.....

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 01/10/14 to 31/12/14				
Parameter	Limit	Daily Max	Daily Mean	
Flow Rate	28000 m3/day (dry weather)	---	29,348	
pH min	6	6.5	8.3	
pH max	12	11.0		
Total Hydrocarbon Oil	5 mg/l	3.4	0.5	
Suspended solids	100 mg/l	136	34.5	
Dissolved iron	10 mg/l	0.2	0.03	
Total chromium	0.2 mg/l	0.02	0.01	
Dissolved nickel	0.2 mg/l	0.03	0.01	
Zinc	2 mg/l	0.05	0.02	
Copper	0.1 mg/l	0.03	0.01	
Lead	0.8 mg/l	0.04	0.02	
Cadmium	0.05 mg/l	0.01	0.01	
Mercury	0.05 mg/l	0.0001	0.0001	
Ammoniacal Nitrogen	None	1.1	0.36	

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