

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 01/07/2016 to 30/09/2016							
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)

Date26/10/2016.....

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 01/07/2016 to 30/09/2016								
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	118	Electrochemical Cell - BSEN15058 & BSEN14792	22/09/2016	Level 2 Mcerts	6.1
	CO		None	125		11:09-11:25		6.4
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	---		---		---
	CO		None	---		---		---
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	117		11/08/2016 10:51-11:06		4.1
		CO	None	0.0				1.1

*Only one boiler operational during time of sampling.

Signed
(authorised to sign as representative of the Operator)

Date26/10/2016.....

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 01/07/2016 to 30/09/2016 [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	9.6		15/09/2016 10:53 – 11:23		0.3
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	---		---		---
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

Signed
(authorised to sign as representative of the Operator)

Date26/10/2016.....

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 01/07/2016 to 30/09/2016			
Parameter	Limit	Daily Max	Daily Mean
Flow Rate	28000 m3/day (dry weather)	---	713
pH min	6	7	9.7
pH max	12	11.6	
Total Hydrocarbon Oil*	5 mg/l	15.5	1.9
Suspended solids**	100 mg/l	2398	9.5
Dissolved iron	10 mg/l	0.14	0.03
Total chromium	0.2 mg/l	0.04	0.01
Dissolved nickel	0.2 mg/l	0.11	0.04
Zinc	2 mg/l	0.37	0.07
Copper	0.1 mg/l	0.04	0.01
Lead	0.8 mg/l	0.07	0.02
Cadmium	0.05 mg/l	0.01	0.01
Mercury	0.05 mg/l	<0.001	<0.001
Ammoniacal Nitrogen	None	0.30	0.13

* See notification 2016 08 30 URA Oil

** See notification 2016 08 09 URA Suspended Solids

Signed 
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Date26/10/2016.....