

Permit Reference: BS 3905IP
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 01/04/2018 to 30/06/2018							
Emission Point	Substance / Parameter	Emission Limit Value	Result (mg/Nm3)	Test Method	Sample Date and Times	Accreditation / Certification	Uncertainty (+/- mg/Nm3)
A1*	NOx (as NO2)	400 mg/m3	---	Electrochemical Cell - BSEN15058 & BSEN14792	---	Level 2 Mcerts	---
SRF No1	CO	None	---				---
A2*	NOx (as NO2)	400 mg/m3	---		---		---
SRF No2	CO	None	---				---
A3*	NOx (as NO2)	400 mg/m3	---		---		---
SRF No3	CO	None	---				---
A4*	NOx (as NO2)	400 mg/m3	---		---		---
SRF No4	CO	None	---				---
A5*	NOx (as NO2)	400 mg/m3	---		---		---
SRF No5	CO	None	---				---
None	Gas oil sulphur	0.2 w/w	---	---	---	---	---

*- Emission points not in use during mothball of Hot Mill

Signed: 
 (authorised to sign as a representative of the operator)

Date: 13/08/2018

Permit Reference: BS 3905IP
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 01/04/2018 to 30/06/2018								
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	89.3	Electrochemical Cell - BSEN15058 & BSEN14792	12:17 - 12:32	Level 2 Mcerts	4.9
	CO		None	0		04/04/2018		2.3
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	95.1		10:58 - 11:13		3.3
		CO	None	0		04/04/2018		1.2
A15 Boiler No2	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	111.6		11:18 - 11:34		3.8
		CO	None	0		04/04/2018		1.2
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	104.2		11:42 - 11:57		3.6
		CO	None	0		04/04/2018		1.2

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Date: 13/08/2018

Permit Reference: BS 3905IP
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 01/04/2018 to 30/06/2018							
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	0.1		24/04/2018 12:28 - 13:32		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

+ Annual sample result reported during Q1

Signed: 
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Date: 13/08/2018

Permit Reference: BS3905IP
Operator: Tata Steel UK
Installation: Llanwern Steelworks

Form number: W1

Date of form: 01/09/09

Reporting of Emissions to Water for the period from 01/04/2018 to 30/06/2018			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	37,103	19,693
pH min	6	8.4	10.6
pH max	12	12.1	
Total Hydrocarbon Oil*	5 mg/l	14.4	1.16
Suspended solids**	100 mg/l	150	36
Dissolved iron	10 mg/l	0.362	0.808
Total chromium	0.2 mg/l	0.074	0.38
Dissolved nickel	0.2 mg/l	0.068	0.04
Zinc	2 mg/l	0.219	0.06
Copper	0.1 mg/l	0.079	0.035
Lead	0.8 mg/l	0.079	0.044
Cadmium	0.05 mg/l	0.058	0.019
Mercury	0.05 mg/l	0.000130	0.000063
Ammoniacal Nitrogen	None	0.4	0.2

* Includes wet flow conditions

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