

Permit Reference: BS 3905IP
 Operator: Tata Steel UK
 Installation: Llanwern SteelWorks

Form Number: A1/1

Date of form: 01/09/09



Reporting of Emissions to Air for the period from 01/10/2020 to 31/12/2020							
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 of Hot Mill

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

Date: 05/02/2021

Permit Reference: BS 3905IP
Operator: Tata Steel UK
Installation: Llanwern SteelWorks

Form Number: A1/2

Date of form: 01/09/09

Reporting of Emissions to Air for the period from 01/10/2020 to 31/12/2020								
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	107.5	Electrochemical Cell - BSEN15058 & BSEN14792	03/12/2020 14:44 - 15:00		5.7
	CO		None	49.8				3.5
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---				---
	Natural Gas	NOx (as NO2)	140 mg/m3	119.4		03/12/2020 10:24 - 10:40		4.2
		CO	None	0				1.2
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	116		03/12/2020 10:45 - 10:57		4.1
		CO	None	0				1.3

* - Boiler 2 offline during sampling

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

Date: 05/02/2021

Permit Reference: BS 3905IP
Operator: Tata Steel UK
Installation: Llanwern SteelWorks

Form Number: A1/3

Date of form: 01/09/09

Date of form: 6/1/2020

Reporting of Emissions to Air for the period from 01/10/2020 to 31/12/2020							
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	1.4		03/12/2020 12:35 - 13:46		0.2
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	---	BS EN 13284	---	Level 2 Mcerts	---
A12* Zodiac Chromate	Particulate matter	5 mg/m3	---		---		--
A13+ Welder Stack	Particulate matter	5 mg/m3	1.5		20/10/2020 10:58 - 14:33		0.6
A17+** Pickle Line Scalemaster	Particulate matter	5 mg/m3	---		---		---

*Non operational

**Not sampled during Q4

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

Date: 05/02/2021

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 01/10/2020 to 31/12/2020			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	9,032	7,339
pH min	6	7.5	9.8
pH max	12	11.1	
Total Hydrocarbon Oil	5 mg/l	3.7	0.90
Suspended solids	100 mg/l	210	39
Dissolved iron	10 mg/l	0.85	0.31
Total chromium	0.2 mg/l	0.042	0.014
Dissolved nickel	0.2 mg/l	0.132	0.026
Zinc	2 mg/l	0.523	0.171
Copper	0.1 mg/l	0.019	0.006
Lead	0.8 mg/l	0.012	0.005
Cadmium	0.05 mg/l	0.002	0.002
Mercury	0.05 mg/l	0.002	0.001
Ammoniacal Nitrogen	None	0.400	0.200

* Includes wet flow conditions

Signed: 
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Date: 05/02/2021