

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 01/04/2021 to 30/06/2021							
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: 28/07/2021

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 01/04/2021 to 30/06/2021							
Emission Point	Substance / Parameter		Emission Limit Value	Result (mg/Nm3)	Test Method	Sample Date and Times	Uncertainty (+/- mg/Nm3)
A11 Zodiac Furnace	NOx (as NO2)		350 mg/m3	77.4	Electrochemical Cell - BSEN15058 & BSEN14792	10/06/21 13:15 – 13:35	4.7
	CO		None	0			2.5
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---			---
	Natural Gas	NOx (as NO2)	140 mg/m3	120.2		10/06/21 12:15 - 12:31	3.9
		CO	None	0			1.8
A15 Boiler No2	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---			---
	Natural Gas	NOx (as NO2)	140 mg/m3	114.3		10/06/21 11:36 - 11:59	3.8
		CO	None	0			1.2
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---		---	---
	Natural Gas	NOx (as NO2)	140 mg/m3	---		---	---
		CO	None	---			---

* - Boiler 3 offline during sampling

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Date: 28/07/2021

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

Form Number: A1/3

Date of form: 01/09/09

Reporting of Emissions to Air for the period from 01/04/2021 to 3/06/2021							
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	7.7		08/06/21 13:09 – 15:04		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	0.3	BS EN 13284	15/04/21 10:45-12:36	Level 2 Mcerts	0.5
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

**Not sampled during Q2


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Date: 28/07/2021

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

Form Number: A1/4

Date of form: 01/09/09

Reporting of Emissions to Water for the period from 01/04/2021 to 30/06/2021			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	25730	11753
pH min	6	8.5	10.9
pH max	12	12.0	
Total Hydrocarbon Oil	5 mg/l	7.70	1.17
Suspended solids	100 mg/l	92	36.4
Dissolved iron	10 mg/l	0.30	0.15
Total chromium	0.2 mg/l	0.013	0.005
Dissolved nickel	0.2 mg/l	0.012	0.002
Zinc	2 mg/l	0.063	0.014
Copper	0.1 mg/l	0.03	0.01
Lead	0.8 mg/l	0.002	0.001
Cadmium	0.05 mg/l	0.001	0.001
Mercury	0.05 mg/l	0.008	0.004
Ammoniacal Nitrogen	None	1.20	0.40

* Includes wet flow conditions

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Date: 28/07/2021

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

Form number: W1

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

Date: 23/10/2020