

Form A1/1

Reporting of Emissions to Air for the period from 01/01/2023 to 31/03/2023							
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	Nil*	Electrochemical Cell - BSEN15058 & BSEN14792	---	Level 2 Mcerts	---
	CO	None	Nil*		---		---
A2 SRF No2	NOx (as NO2)	400 mg/m3	Nil*		---		---
	CO	None	Nil*		---		---
A3 SRF No3	NOx (as NO2)	400 mg/m3	Nil*		---		---
	CO	None	Nil*		---		---
A4 SRF No4	NOx (as NO2)	400 mg/m3	Nil*		---		---
	CO	None	Nil*		---		---
A5 SRF No5	NOx (as NO2)	400 mg/m3	Nil*		---		---
	CO	None	Nil*		---		---
None	Gas oil sulphur	0.2 w/w	Nil*	---	---	---	---

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

Signed: C. Hughes

Date: 05/04/2023

(authorised to sign as a representative of the operator)

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

Form A1/2

Reporting of Emissions to Air for the period from 01/01/2023 to 31/03/2023							
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	95.1	Electrochemical Cell - BSEN15058 & BSEN14792	09.02.2023 12:16-12:42	5.2
	CO		None	59.2			2.1
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---	---
		CO	None	Nil**			---
	Natural Gas	NOx (as NO2)	140 mg/m3	96.5		09.02.2023 11:40-11:56	5.2
		CO	None	0			0.1
A15 Boiler No2	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---	---
		CO	None	Nil**			---
	Natural Gas	NOx (as NO2)	140 mg/m3	Nil *			
		CO	None	Nil *			
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---	---
		CO	None	Nil**			---
	Natural Gas	NOx (as NO2)	140 mg/m3	111.0		09.02.2023 10:56-11:25	6.0
		CO	None	0			0.1

** - Gas Oil not in use

Signed: C. Hughes

Date: 05/04/2023

(authorised to sign as a representative of the operator)

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

Form A1/3

Reporting of Emissions to Air for the period from 01/01/2023 to 31/03/2023							
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	Nil*	BS EN 1911	---	Level 2 Mcerts	---
A7 Pickle Line No2	HCl	10 mg/m3	0.1		08.02.2023 11:32-13:25		0.14
A8 Pickle Line Roof Vent	HCl	5 mg/m3	Nil*				
A9 Cold Mill Oil Mist Vent	Oil mist	15 mg/m3	Nil**				
A10 Zodiac Cleaner	Particulate matter	5 mg/m3	Nil***	BS EN 13284	---	Level 2 Mcerts	---
A12 Zodiac Chromate	Particulate matter	5 mg/m3	Nil*		---		--
A13 Welder Stack	Particulate matter	5 mg/m3	Nil***		---		---
A17 Pickle Line Scalemaster	Particulate matter	5 mg/m3	0.8		30.03.2023 11:15 – 14:33		0.3

*Non operational

**Not measurable

***Due to be completed as part of Annual suite of analysis

Signed: C. Hughes

Date: 05/04/2023

(authorised to sign as a representative of the operator)

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

Form W1

Reporting of Emissions to Water for the period from 01/01/2023 to 31/03/2023			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	84000	21764
pH min	6	8.5	10.8
pH max	12	12.2	
Total Hydrocarbon Oil	5 mg/l	4.8	1.09
Suspended solids	100 mg/l	209	46.7
Dissolved iron	10 mg/l	1.40	0.39
Total chromium	0.2 mg/l	0.020	0.018
Dissolved nickel	0.2 mg/l	0.020	0.018
Zinc	2 mg/l	0.040	0.023
Copper	0.1 mg/l	0.079	0.026
Lead	0.8 mg/l	0.026	0.018
Cadmium	0.05 mg/l	0.020	0.017
Mercury	0.05 mg/l	0.0007	0.0001
Ammoniacal Nitrogen	None	1.54	1.02

* Includes wet flow conditions

Signed: *C. Hughes*

Date: 05/04/2023

(authorised to sign as a representative of the operator)

