

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



Form A1/1

Reporting of Emissions to Air for the period from 01/10/2023 to 31/12/2023							
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:

Date: 25/1/2024

(authorised to sign as a representative of the operator)

Permit Reference: BS 3905IP
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Form A1/2

Reporting of Emissions to Air for the period from 01/10/2023 to 31/12/2023							
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	102.1	Electrochemical Cell - BSEN15058 & BSEN14792	17.10.2023 11:34-12:00	5.6
	CO		None	201.9			6.2
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---	---
		CO	None	Nil**			---
	Natural Gas	NOx (as NO2)	140 mg/m3	108.2		17.10.2023 10:43-11:03	6.0
		CO	None	0.4			0.5
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	Nil***		---	---
		CO	None	Nil***			---

*Non operational
 ** - Gas Oil not in use
 *** Completed in previous returns

Signed:

Date: 25/1/2024

(authorised to sign as a representative of the operator)

Permit Reference: BS 3905IP
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Form A1/3

Reporting of Emissions to Air for the period from 01/10/2023 to 31/12/2023							
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	1.4		18.10.2023 11:53-14:03		0.20
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	2.4		21.11.2023 10:20-12:36		1.0
A17 Pickle Line Scalemaster	Particulate matter	5 mg/m3	Nil****		---		---

*Non operational
**Not measurable
***Due to be completed as part of Annual suite of analysis
**** Completed in previous quarters

Signed:

Date: 25/1/2024

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Form W1

Reporting of Emissions to Water for the period from 01/10/2023 to 31/12/2023			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m³/day (dry weather)	234000	53173
pH min	6	6.5	9.8
pH max	12	11.7	
Total Hydrocarbon Oil	5 mg/l	4.5	0.92
Suspended solids	100 mg/l	284	45.3
Dissolved iron	10 mg/l	2.55	0.42
Total chromium	0.2 mg/l	0.008	0.002
Dissolved nickel	0.2 mg/l	0.005	0.001
Zinc	2 mg/l	0.066	0.012
Copper	0.1 mg/l	0.020	0.005
Lead	0.8 mg/l	0.009	0.001
Cadmium	0.05 mg/l	0.0001	0.0001
Mercury	0.05 mg/l	0.00034	0.00006
Ammoniacal Nitrogen	None	2.78	0.78

* Includes wet flow conditions

Signed:

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