

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

Form A1/1

Reporting of Emissions to Air for the period from 01/04/2024 to 30/06/2024							
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: 11/07/2024

(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 01/04/2024 to 30/06/2024									
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	146.3	Electrochemical Cell - BSEN15058 & BSEN14792	24.04.2024 11:44-12:41		7.5	
	CO		None	91.9				2.9	
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---			---
		CO	None	Nil**					---
	Natural Gas	NOx (as NO2)	140 mg/m3	120.8		24.04.2024 11:01-11:24			6.2
		CO	None	0.0					0.4
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	129.4	24.04.2024 10:16-10:46		6.7		
		CO	None	1.1			0.4		

*Non operational
 ** - Gas Oil not in use
 *** Not in operation during sampling time.

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Permit Reference: BS 3905IP
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Form A1/3

Reporting of Emissions to Air for the period from 01/04/2024 to 30/06/2024							
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	1.8		09/04/2024 10:48-12:48		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	0.2	BS EN 13284	01/05/2024 11:23 – 14:02	Level 2 Mcerts	0.5
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	1.3		12/06/2024 10:33 – 13:35		0.2

*Non operational
 **Not measurable
 ***Due to be completed as part of annual suite of analysis

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Permit Reference: BS 3905IP
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Form W1

Reporting of Emissions to Water for the period from 01/04/2024 to 30/06/2024			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	42000	14318
pH min	6	9.6	11.3
pH max	12	12.0	
Total Hydrocarbon Oil	5 mg/l	6.8	1.35
Suspended solids	100 mg/l	132	31.3
Dissolved iron	10 mg/l	0.55	0.17
Total chromium	0.2 mg/l	0.003	0.001
Dissolved nickel	0.2 mg/l	0.004	0.001
Zinc	2 mg/l	0.085	0.025
Copper	0.1 mg/l	0.043	0.009
Lead	0.8 mg/l	0.325	0.029
Cadmium	0.05 mg/l	0.0009	0.0002
Mercury	0.05 mg/l	0.00004	0.00001
Ammoniacal Nitrogen	None	2.28	0.67

* Includes wet flow conditions

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