

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

Form A1/1

Reporting of Emissions to Air for the period from 01/01/2024 to 31/03/2024								
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: 17/04/2024

(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 01/01/2024 to 31/03/2024									
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	85.9	Electrochemical Cell - BSEN15058 & BSEN14792	08.02.2024 14:15-14:44		4.6	
	CO		None	423.0				13.8	
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---			---
		CO	None	Nil**					---
	Natural Gas	NOx (as NO2)	140 mg/m3	115.3		06.02.2024 09:58-10:17			6.1
		CO	None	0.6					0.2
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
 *** Not in operation during sampling time.

Signed: [REDACTED]

Date: 17/04/2024

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Permit Reference: BS 3905IP
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Form A1/3

Reporting of Emissions to Air for the period from 01/01/2024 to 31/03/2024							
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	1.3		08/02/2024 & 22.02.2024 11:09-11:50 & 11:21-12:45		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	Nil***		---		---
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

Signed: ██████████

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Permit Reference: BS 3905IP
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Form W1

Reporting of Emissions to Water for the period from 01/01/2024 to 31/03/2024			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	234000	53822
pH min	6	7.9	10.7
pH max	12	11.9	
Total Hydrocarbon Oil	5 mg/l	3.9	0.99
Suspended solids	100 mg/l	308	60
Dissolved iron	10 mg/l	.910	0.42
Total chromium	0.2 mg/l	0.033	0.006
Dissolved nickel	0.2 mg/l	0.027	0.006
Zinc	2 mg/l	0.061	0.015
Copper	0.1 mg/l	0.051	0.011
Lead	0.8 mg/l	0.036	0.008
Cadmium	0.05 mg/l	0.002	0.0002
Mercury	0.05 mg/l	0.0002	0.00004
Ammoniacal Nitrogen	None	1.45	0.53

* Includes wet flow conditions

Signed: ██████████

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