

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

Form A1/1

Reporting of Emissions to Air for the period from 01/07/2023 to 30/09/2023								
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: 24/10/2023

(authorised to sign as a representative of the operator)

Form A1/2

Reporting of Emissions to Air for the period from 01/07/2023 to 30/09/2023							
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	91.4	Electrochemical Cell - BSEN15058 & BSEN14792	18.07.2023 11:25-11:55	5.7
	CO		None	72			2.4
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---	---
		CO	None	Nil**			---
	Natural Gas	NOx (as NO2)	140 mg/m3	Nil *		---	---
		CO	None	Nil *			---
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	103.1		18.07.2023 10:41-11.02	6.4
		CO	None	0			0.3

*Non operational
 ** - Gas Oil not in use

Signed: 

Date: 24/10/2023

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Permit Reference: BS 3905IP
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Form A1/3

Reporting of Emissions to Air for the period from 01/07/2023 to 30/09/2023							
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	0.7		19.07.2023 11:51-13:07		0.40
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
 **** Completed in previous quarters



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Form W1

Reporting of Emissions to Water for the period from 01/07/2023 to 30/09/2023			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	37000	8663
pH min	6	7.4	9.8
pH max	12	11.8	
Total Hydrocarbon Oil	5 mg/l	4.2	1.01
Suspended solids	100 mg/l	86	24.6
Dissolved iron	10 mg/l	0.31	0.16
Total chromium	0.2 mg/l	0.016	0.005
Dissolved nickel	0.2 mg/l	0.023	0.004
Zinc	2 mg/l	0.028	0.011
Copper	0.1 mg/l	0.030	0.003
Lead	0.8 mg/l	0.048	0.004
Cadmium	0.05 mg/l	0.00010	0.0001
Mercury	0.05 mg/l	0.0005	0.0003
Ammoniacal Nitrogen	None	3.1	0.70

* Includes wet flow conditions

Signed: 

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