

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



Form A1/1

Reporting of Emissions to Air for the period from 01/07/2021 to 30/09/2021								
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	---	Electrochemical Cell - BSEN15058 & BSEN14792	---	Level 2 Mcerts	---	
	CO	None	---				---	
A2* SRF No2	NOx (as NO2)	400 mg/m3	---		---		---	---
	CO	None	---				---	
A3* SRF No3	NOx (as NO2)	400 mg/m3	---		---		---	---
	CO	None	---				---	
A4* SRF No4	NOx (as NO2)	400 mg/m3	---		---		---	---
	CO	None	---				---	
A5* SRF No5	NOx (as NO2)	400 mg/m3	---		---		---	---
	CO	None	---				---	
None	Gas oil sulphur	0.2 w/w	---	---	---	---	---	

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



Signed:
 (authorised to sign as a representative of the operator)

Date: 29/10/2021

Form A1/2

Reporting of Emissions to Air for the period from 01/07/2021 to 30/09/2021							
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	86.6	Electrochemical Cell - BSEN15058 & BSEN14792	23/07/21 13:15 – 13:35	5.7
	CO		None	0			2.1
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---			---
	Natural Gas	NOx (as NO2)	140 mg/m3	108.6		23/07/21 12:48 – 13:16	6.4
		CO	None	0			1.6
A15 Boiler No2	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---			---
	Natural Gas	NOx (as NO2)	140 mg/m3	102.2		23/07/21 11:58 – 12:21	5.7
		CO	None	0			1.1
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---		---	---
	Natural Gas	NOx (as NO2)	140 mg/m3	---		---	---
		CO	None	---		---	---

* - Boiler 3 offline during sampling

Signed: 
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Date: 29/10/2021

Form A1/3

Reporting of Emissions to Air for the period from 01/07/2021 to 30/09/2021							
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	---	BS EN 1911	---	Level 2 Mcerts	---
A7 Pickle Line No2	HCl	10 mg/m3	0.1		21/07/21 11:30 – 13:22		0.3
A8* Pickle Line Roof Vent	HCl	5 mg/m3	---				
A9 Cold Mill Oil Mist Vent	Oil mist	15 mg/m3	---				
A10 Zodiac Cleaner	Particulate matter	5 mg/m3	0.3	BS EN 13284	15/04/21 10:45-12:36	Level 2 Mcerts	0.5
A12* Zodiac Chromate	Particulate matter	5 mg/m3	---		---		--
A13 Welder Stack	Particulate matter	5 mg/m3	---		---		---
A17 Pickle Line Scalemaster	Particulate matter	5 mg/m3	---		---		---

*Non operational

Signed: 

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Date: 29/10/2021

Form W1

Reporting of Emissions to Water for the period from 01/07/2021 to 30/09/2021			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	21,000	10,945
pH min	6	8.3	10.7
pH max	12	11.5	
Total Hydrocarbon Oil	5 mg/l	6.95	1.24
Suspended solids	100 mg/l	158	44.2
Dissolved iron	10 mg/l	0.39	0.14
Total chromium	0.2 mg/l	0.011	0.002
Dissolved nickel	0.2 mg/l	0.111	0.028
Zinc	2 mg/l	0.100	0.061
Copper	0.1 mg/l	0.012	0.002
Lead	0.8 mg/l	0.003	0.001
Cadmium	0.05 mg/l	0.001	0.001
Mercury	0.05 mg/l	0.010	0.005
Ammoniacal Nitrogen	None	2.10	0.96

* Includes wet flow conditions

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