

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



Form A1/1

Reporting of Emissions to Air for the period from 01/10/2021 to 31/12/2021							
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	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

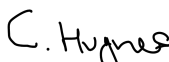
Signed: *C. Hughes*
 (authorised to sign as a representative of the operator)

Form A1/2

Reporting of Emissions to Air for the period from 01/10/2021 to 31/12/2021							
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	126.3	Electrochemical Cell - BSEN15058 & BSEN14792	17.11.2021 13:49 - 14:19	6.9
	CO		None	13.7			0.4
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	102.1		17.11.2021 11:57 - 12:17	5.6
		CO	None	0			0.4
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---	---
		CO	None	Nil**			---
	Natural Gas	NOx (as NO2)	140 mg/m3	107.7		11:57 - 12:17 17.11.2021	5.9
		CO	None	0.1			0.4

* - Boiler 1 offline

** - Gas Oil not in use

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

Date: 28/01/2022

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Form A1/3

Reporting of Emissions to Air for the period from 01/10/2021 to 31/12/2021							
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	Nil*	BS EN 1911	---	Level 2 Mcerts	---
A7 Pickle Line No2	HCl	10 mg/m3	0.1		03/11/2021 11:46 - 13:39		0.3
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
 ***Annual reporting done prior to Q4

Signed: *C. Hughes*
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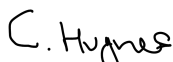
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Form W1

Reporting of Emissions to Water for the period from 01/10/2021 to 31/12/2021			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	99,000	16,849
pH min	6	8.4	10.7
pH max	12	11.8	
Total Hydrocarbon Oil	5 mg/l	4.90	1.15
Suspended solids	100 mg/l	102	37.6
Dissolved iron	10 mg/l	0.31	0.09
Total chromium	0.2 mg/l	0.007	0.002
Dissolved nickel	0.2 mg/l	0.164	0.027
Zinc	2 mg/l	0.100	0.100
Copper	0.1 mg/l	0.008	0.002
Lead	0.8 mg/l	0.001	0.000
Cadmium	0.05 mg/l	0.000	0.000
Mercury	0.05 mg/l	0.0050	0.0039
Ammoniacal Nitrogen	None	4.90	0.91

* Includes wet flow conditions

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Date: 28/01/2022

