

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

Form A1/1

Reporting of Emissions to Air for the period from 01/04/2022 to 30/06/2022							
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

Date: 28/07/2022

(authorised to sign as a representative of the operator)

Form A1/2

Reporting of Emissions to Air for the period from 01/04/2022 to 30/06/2022							
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	132.7	Electrochemical Cell - BSEN15058 & BSEN14792	16/06/2022 11:25-11:45	7.2
	CO		None	17.9			0.1
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---	---
		CO	None	Nil**			---
	Natural Gas	NOx (as NO2)	140 mg/m3	111.6		06/04/2022 12:01-12:21	5.7
		CO	None	0			0.1
A15 Boiler No2	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---	---
		CO	None	Nil**			---
	Natural Gas	NOx (as NO2)	140 mg/m3	107.0		06/04/2022 11:27-11:47	5.5
		CO	None	0			0.1
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---	---
		CO	None	Nil**			---
	Natural Gas	NOx (as NO2)	140 mg/m3	115.2		06/04/2022 10:55-11:15	5.9
		CO	None	0			0.1

** - Gas Oil not in use

Signed: *C. Hughes*

Date: 28/07/2022

(authorised to sign as a representative of the operator)

Permit Reference: BS 3905IP
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Form A1/3

Reporting of Emissions to Air for the period from 01/04/2022 to 30/06/2022							
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		08/06/2022 12:22-14:19		0.2
A8 Pickle Line Roof Vent	HCl	5 mg/m3	Nil*				
A9 Cold Mill Oil Mist Vent	Oil mist	15 mg/m3	Nil**				
A10 Zodiac Pre-Cleaner	Particulate matter	5 mg/m3	0.4	BS EN 13284	16/06/2022 12:25-14:26	Level 2 Mcerts	0.4
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: C. Hughes

Date: 28/07/2022

(authorised to sign as a representative of the operator)

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Form W1

Reporting of Emissions to Water for the period from 01/04/2022 to 30/06/2022			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	56000	7080
pH min	6	8.2	11.3
pH max	12	12	
Total Hydrocarbon Oil	5 mg/l	5.1	1.25
Suspended solids	100 mg/l	360	41.3
Dissolved iron	10 mg/l	0.86	0.28
Total chromium	0.2 mg/l	0.019	0.003
Dissolved nickel	0.2 mg/l	0.012	0.003
Zinc	2 mg/l	0.100	0.019
Copper	0.1 mg/l	0.010	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	0.0046
Ammoniacal Nitrogen	None	6.42	2.55

* Includes wet flow conditions

Signed: C. Hughes

Date: 28/07/2022

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