

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

Form Number: A1/1

Date of form: 01/09/09

Reporting of Emissions to Air for the period from 01/01/2021 to 31/03/2021								
Emission Point	Substance / Parameter	Emission Limit Value	Result (mg/Nm3)	Test Method	Sample Date and Times	Accreditation / Certification	Uncertainty (+/- mg/Nm3)	
A1*	NOx (as NO2)	400 mg/m3	---	Electrochemical Cell - BSEN15058 & BSEN14792	---	Level 2 Mcerts	---	
SRF No1	CO	None	---				---	
A2*	NOx (as NO2)	400 mg/m3	---		---		---	---
SRF No2	CO	None	---				---	
A3*	NOx (as NO2)	400 mg/m3	---		---		---	---
SRF No3	CO	None	---				---	
A4*	NOx (as NO2)	400 mg/m3	---		---		---	---
SRF No4	CO	None	---				---	
A5*	NOx (as NO2)	400 mg/m3	---		---		---	---
SRF No5	CO	None	---				---	
None	Gas oil sulphur	0.2 w/w	---	---	---	---	---	

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

Date: 28/04/2021

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

Form Number: A1/2

Date of form: 01/09/09

Reporting of Emissions to Air for the period from 01/01/2021 to 31/03/2021							
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	97.1	Electrochemical Cell - BSEN15058 & BSEN14792	18/02/2021 11:15 - 11:30	4.5
	CO		None	20.7			
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---		---	---
	Natural Gas	NOx (as NO2)	140 mg/m3	127.2		17/02/21 11:10 - 11:26	4.4
		CO	None	0			
A15 Boiler No2	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---		---	---
	Natural Gas	NOx (as NO2)	140 mg/m3	117.9		17/02/21 10:33 - 10:48	4.1
		CO	None	0			
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	---		---	---
		CO	None	---		---	---
	Natural Gas	NOx (as NO2)	140 mg/m3	124		17/02/21 11:51 - 11:07	4.3
		CO	None	0			



Signed:
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Date: 28/04/2021

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

Form Number: A1/3

Date of form: 01/09/09

Date of form: 6/7/2023

Reporting of Emissions to Air for the period from 01/01/2021 to 31/03/2021							
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	1.9		17/02/21 12:54 - 14:20		0.1
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	---	BS EN 13284	---	Level 2 Mcerts	---
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	0.7		18/02/21 12:18 - 14:40		0.3

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Date: 28/04/2021

Permit Reference: BS3905IP
Operator: Tata Steel UK
Installation: Llanwern Steelworks

Form number: W1

Reporting of Emissions to Water for the period from 01/01/2021 to 31/03/2021			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	11,581	8,644
pH min	6	8.1	10.2
pH max	12	11.4	
Total Hydrocarbon Oil	5 mg/l	4.2	0.91
Suspended solids	100 mg/l	80	39.8
Dissolved iron	10 mg/l	0.640	0.320
Total chromium	0.2 mg/l	0.007	0.004
Dissolved nickel	0.2 mg/l	0.003	0.004
Zinc	2 mg/l	0.222	0.067
Copper	0.1 mg/l	0.011	0.004
Lead	0.8 mg/l	0.009	0.004
Cadmium	0.05 mg/l	0.003	0.001
Mercury	0.05 mg/l	0.001	0.001
Ammoniacal Nitrogen	None	0.400	0.140

* Includes wet flow conditions

Signed: 
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Date: 28/04/2021