

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

Form A1/1

Reporting of Emissions to Air for the period from 01/07/2024 to 30/09/2024							
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

Signed: ██████████

Date: 04/10/2024

(authorised to sign as a representative of the operator)

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

Form A1/2

Reporting of Emissions to Air for the period from 01/07/2024 to 30/09/2024									
Emission Point	Substance / Parameter		Emission Limit Value	Result (mg/Nm3)	Test Method	Sample Date and Times	Accreditation / Certification	Uncertainty (+/- mg/Nm3)	
A11  Zodiac Furnace	NOx (as NO2)		350 mg/m3	87.2	Electrochemical Cell - BSEN15058 & BSEN14792	25.09.2024 12:27 – 12:44		4.6	
	CO		None	704.8				22.0	
A14  Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3	Nil**		---			---
		CO	None	Nil**					---
	Natural Gas	NOx (as NO2)	140 mg/m3	101.9		16.08.2024 11:14 – 11:29			5.3
		CO	None	0.0					1.0
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	89.0	16.08.2024 10:47-11:05		4.6		
		CO	None	0.8			0.8		

\*Non-operational in this quarter  
 \*\* - Gas Oil not in use

Signed: ██████████

Date: 04/10/2024

(authorised to sign as a representative of the operator)

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

Form A1/3

Reporting of Emissions to Air for the period from 01/07/2024 to 30/09/2024							
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		12.09.2024 11:07-13:03		0.1
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	0.5		21.08.2024 10:58 – 13:40		0.2
A17 Pickle Line Scalemaster	Particulate matter	5 mg/m3	Nil***		---		---

\*Non operational  
 \*\*Not measurable  
 \*\*\* Completed and submitted in previous returns as part of annual suite of analysis.

Signed: ██████████

Date: 04/10/2024

(authorised to sign as a representative of the operator)

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

Form W1

Reporting of Emissions to Water for the period from 01/07/2024 to 30/09/2024			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m <sup>3</sup> /day (dry weather)	116000	11782
pH min	6	7.8	11.1
pH max	12	11.9	
Total Hydrocarbon Oil	5 mg/l	4.9	0.89
Suspended solids	100 mg/l	125	31.2
Dissolved iron	10 mg/l	0.55	0.22
Total chromium	0.2 mg/l	0.003	0.002
Dissolved nickel	0.2 mg/l	0.009	0.002
Zinc	2 mg/l	0.023	0.011
Copper	0.1 mg/l	0.005	0.002
Lead	0.8 mg/l	0.002	0.001
Cadmium	0.05 mg/l	0.00025	0.00011
Mercury	0.05 mg/l	0.000073	0.000049
Ammoniacal Nitrogen	None	1.73	0.58

\* Includes wet flow conditions

Signed: ██████████

Date: 04/10/2024

(authorised to sign as a representative of the operator)

