

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

Form Number: A1/1

Date of form: 01/09/09

Reporting of Emissions to Air for the period from 01/04/2020 to 30/06/2020							
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	---	---	---	---	---

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

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

Date: 16/07/2020

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

Form Number: A1/2

Date of form: 01/09/09

Reporting of Emissions to Air for the period from 01/04/2020 to 30/06/2020								
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	160	Electrochemical Cell - BSEN15058 & BSEN14792	02/06/2020 11:29 - 11:45	Level 2 Mcerts	7.4
	CO		None	17.5				2.3
A14 Boiler No1	Gas Oil	NOx (as NO2)	200 mg/m3					
		CO	None					
	Natural Gas	NOx (as NO2)	140 mg/m3					
		CO	None					
A15 Boiler No2	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---				---
	Natural Gas	NOx (as NO2)	140 mg/m3	121.1		02/06/2020 10:46 - 10:59		4.1
		CO	None	2.1				1.3
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		---
		CO	None	---		---		---
	Natural Gas	NOx (as NO2)	140 mg/m3	122.3		02/06/2020 11:06 - 11:14		4.1
		CO	None	0.8				1.1

* - Boiler 1 offline during sampling

Signed: 
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Date: 16/07/2020

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

Form Number: A1/3

Date of form: 01/09/09

Reporting of Emissions to Air for the period from 01/04/2020 to 30/06/2020							
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	8.9		29/04/2020 11:23 - 12:30		0.2
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	---		---		---

*Non operational

*Not sampled during Q2

Signed: 
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Date: 16/07/2020

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

Form number: W1

Date of form: 01/09/09

Reporting of Emissions to Water for the period from 01/04/2020 to 30/06/2020			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	31,129	20,417
pH min	6	8.6	10.8
pH max	12	11.7	
Total Hydrocarbon Oil	5 mg/l	2.77	0.54
Suspended solids	100 mg/l	84.7	30.6
Dissolved iron	10 mg/l	0.840	0.270
Total chromium	0.2 mg/l	0.064	0.033
Dissolved nickel	0.2 mg/l	0.131	0.058
Zinc	2 mg/l	0.704	0.362
Copper	0.1 mg/l	0.023	0.012
Lead	0.8 mg/l	0.016	0.007
Cadmium	0.05 mg/l	0.002	0.001
Mercury	0.05 mg/l	0.050	0.042
Ammoniacal Nitrogen	None	0.260	0.090

* Includes wet flow conditions

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Date: 16/07/2020