

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 01/01/2020 to 31/03/2020							
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: 17/04/2020

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 01/01/2020 to 31/03/2020									
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	115.4	Electrochemical Cell - BSEN15058 & BSEN14792	12/02/2020 12:33 - 12:48	Level 2 Mcerts	5.9	
	CO		None	4				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	---		---		12/02/2020 11:45 - 12:07	---
		CO	None	---					---
	Natural Gas	NOx (as NO2)	140 mg/m3	118.1					4.0
		CO	None	0.4					0.4
A16 Boiler No3	Gas Oil	NOx (as NO2)	200 mg/m3	---		---		12/02/2020 11:08 - 11:35	---
		CO	None	---		---			
	Natural Gas	NOx (as NO2)	140 mg/m3	117.5		4.0			
		CO	None	0.8		1.2			

* - Boiler 1 offline during sampling

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

Date: 17/04/2020

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 01/01/2020 to 31/03/2020							
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	249.1		11/03/2020 11:07 - 12:15		3.0
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	4.5	BS EN 13284	17/03/2020	Level 2 Mcerts	0.6
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		25/02/2020 10:55 - 12:46		0.9

*Non operational

*Not sampled during Q1

Signed: 
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Date: 17/04/2020

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 01/01/2020 to 31/03/2020			
Parameter	Limit	Daily Max *	Daily Mean *
Flow Rate	28000 m ³ /day (dry weather)	175,586	84,276
pH min	6	7.8	10.5
pH max	12	12	
Total Hydrocarbon Oil	5 mg/l	4.4	0.7
Suspended solids	100 mg/l	216	45.9
Dissolved iron	10 mg/l	3.200	0.500
Total chromium	0.2 mg/l	0.050	0.020
Dissolved nickel	0.2 mg/l	0.190	0.022
Zinc	2 mg/l	1.400	0.400
Copper	0.1 mg/l	0.041	0.015
Lead	0.8 mg/l	0.063	0.014
Cadmium	0.05 mg/l	0.001	0.001
Mercury	0.05 mg/l	0.050	0.050
Ammoniacal Nitrogen	None	0.700	0.200

* Includes wet flow conditions

Signed: 
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Date: 17/04/2020