

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

Form A1/1

| Reporting of Emissions to Air for the period from 01/10/2024 to 31/12/2024 | | | | | | | |
|--|-----------------------|----------------------|-----------------|--|-----------------------|-------------------------------|--------------------------|
| 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: 23/01/2025

(authorised to sign as a representative of the operator)

Permit Reference: BS 3905IP
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Form A1/2

| Reporting of Emissions to Air for the period from 01/10/2024 to 31/12/2024 | | | | | | | | | |
|--|-----------------------|--------------|----------------------|-----------------|--|-----------------------------|-------------------------------|-----------------------------|-----|
| 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 | 141.9 | Electrochemical Cell - BSEN15058 & BSEN14792 | 29.10.2024 11:38 – 12:02 | | 7.9 | |
| | CO | | None | 290.7 | | | | 10.0 | |
| A14 Boiler No1 | Gas Oil | NOx (as NO2) | 200 mg/m3 | Nil** | | --- | | 29.10.2024 10:53 – 11:13 | --- |
| | | CO | None | Nil** | | | | | --- |
| | Natural Gas | NOx (as NO2) | 140 mg/m3 | 85.6 | | 4.8 | | | |
| | | CO | None | 0.0 | | 0.8 | | | |
| 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** | | --- | | 29.10.2024 10:20-10:41 | --- |
| | | CO | None | Nil** | | | | | --- |
| | Natural Gas | NOx (as NO2) | 140 mg/m3 | 80.7 | 4.5 | | | | |
| | | CO | None | 0.3 | 0.6 | | | | |

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

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Form A1/3

| Reporting of Emissions to Air for the period from 01/10/2024 to 31/12/2024 | | | | | | | |
|--|-----------------------|----------------------|-----------------|-------------|---------------------------|-------------------------------|--------------------------|
| 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 | 0.03 | | 15.10.2024 11:14-13:08 | | 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 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 | Nil*** | | --- | | --- |
| 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.

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Form W1

| Reporting of Emissions to Water for the period from 01/10/2024 to 31/12/2024 | | | |
|--|---|-------------|--------------|
| Parameter | Limit | Daily Max * | Daily Mean * |
| Flow Rate | 28000 m ³ /day (dry weather) | 291000 | 45077 |
| pH min | 6 | 8.4 | 10.7 |
| pH max | 12 | 12.2 | |
| Total Hydrocarbon Oil | 5 mg/l | 4.5 | 1.10 |
| Suspended solids | 100 mg/l | 534 | 51.4 |
| Dissolved iron | 10 mg/l | 0.764 | 0.307 |
| Total chromium | 0.2 mg/l | 0.010 | 0.004 |
| Dissolved nickel | 0.2 mg/l | 0.005 | 0.002 |
| Zinc | 2 mg/l | 0.023 | 0.008 |
| Copper | 0.1 mg/l | 0.077 | 0.003 |
| Lead | 0.8 mg/l | 0.005 | 0.002 |
| Cadmium | 0.05 mg/l | 0.003 | 0.001 |
| Mercury | 0.05 mg/l | 0.0037 | 0.0004 |
| Ammoniacal Nitrogen | None | 0.83 | 0.56 |

* Includes wet flow conditions

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