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Air Monitoring Data Report

14-Dec-25

The attached report contains the air monitoring data for all the licenced air monitoring points as required by the Environment Protection Licence 10232, for July to November 2025 as part of the reporting period July 2025 - June 2026.

Authorised by:



Uday Bhagwat
Pulp Mill Manager



Johan Stoltz
General Manager

Latest Publication Date: 14-Dec-25

Monitoring Location No: 1

Environment Protection Licence: 10232

Description: Exit point from Stack 1 to atmosphere

Reporting Period: July 2025 to June 2026

Monitoring Type: Continuous

Sample Type: Air

| Month | Date of publication | Pollutant | Unit of measure | Concentration Limit | Data collected | | | Compliance (Yes/No) | Comment | |
|-----------|---------------------|--------------------------|-----------------|---------------------|----------------|--------------|---------------|---------------------|---------|---------------------|
| | | | | | (%) | Lowest value | Highest value | | | |
| July | 14-Aug | Flow | Nm3/s | 100 | 100.00 | 56.76 | 89.42 | 80.32 | Y | |
| | | Hydrogen chloride | mg/m3 | 50 | 100.00 | 0.00 | 31.74 | 1.57 | Y | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 16.89 | 14.50 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | 400 | 100.00 | 0.45 | 193.14 | 110.81 | Y | |
| | | Opacity | % | 20 | 99.65 | 0.34 | 60.20 | 4.18 | N | Equipment Issues |
| | | Oxygen (O2) | % | N/A | 100.00 | 2.25 | 11.45 | 3.60 | N/A | |
| | | Sulphur dioxide (SO2) | mg/m3 | 250 | 100.00 | 0.01 | 181.76 | 27.85 | Y | |
| | | Temperature | °C | N/A | 100.00 | 117.90 | 255.73 | 183.59 | N/A | |
| | | TRS (as H2S) | mg/m3 | 3.6 | 100.00 | 0.17 | 7.80 | 0.37 | Y | Planned Shut Down |
| August | 14-Sep | Flow | Nm3/s | 100 | 100.00 | 26.78 | 92.87 | 80.94 | Y | |
| | | Hydrogen chloride | mg/m3 | 50 | 100.00 | 0.00 | 211.36 | 1.24 | Y | Planned Maintenance |
| | | Moisture | % | N/A | 100.00 | 0.00 | 60.00 | 18.50 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | 400 | 100.00 | 70.46 | 350.93 | 158.58 | Y | |
| | | Opacity | % | 20 | 99.70 | 0.50 | 57.65 | 3.80 | N | Equipment Issues |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.00 | 22.36 | 3.52 | N/A | |
| | | Sulphur dioxide (SO2) | mg/m3 | 250 | 100.00 | 0.00 | 481.42 | 27.33 | Y | Planned Maintenance |
| | | Temperature | °C | N/A | 100.00 | 124.57 | 245.53 | 187.04 | N/A | |
| | | TRS (as H2S) | mg/m3 | 3.6 | 100.00 | 0.07 | 13.76 | 0.39 | Y | Planned Maintenance |
| September | 14-Oct | Flow | Nm3/s | 100 | 100.00 | 35.78 | 87.60 | 80.10 | Y | |
| | | Hydrogen chloride | mg/m3 | 50 | 100.00 | 0.00 | 10.73 | 0.69 | Y | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 30.11 | 24.83 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | 400 | 100.00 | 118.24 | 342.46 | 235.82 | Y | |
| | | Opacity | % | 20 | 99.71 | 0.01 | 44.18 | 4.44 | N | Equipment Issues |
| | | Oxygen (O2) | % | N/A | 100.00 | 2.11 | 13.24 | 3.69 | N/A | |
| | | Sulphur dioxide (SO2) | mg/m3 | 250 | 100.00 | 0.00 | 439.63 | 11.76 | Y | Planned Shut Down |
| | | Temperature | °C | N/A | 100.00 | 140.82 | 226.37 | 186.17 | N/A | |
| | | TRS (as H2S) | mg/m3 | 3.6 | 100.00 | 0.09 | 4.64 | 0.23 | Y | Planned Shut Down |
| October | 14-Nov | Flow | Nm3/s | 100 | 100.00 | 0.65 | 86.72 | 57.27 | Y | |
| | | Hydrogen chloride | mg/m3 | 50 | 100.00 | 0.00 | 48.61 | 1.54 | Y | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 28.99 | 21.31 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | 400 | 100.00 | 24.84 | 285.25 | 200.44 | Y | |
| | | Opacity | % | 20 | 99.56 | 0.00 | 89.59 | 4.62 | N | Equipment Issues |
| | | Oxygen (O2) | % | N/A | 100.00 | 2.04 | 20.67 | 5.98 | N/A | |
| | | Sulphur dioxide (SO2) | mg/m3 | 250 | 100.00 | 0.00 | 235.83 | 13.41 | Y | |
| | | Temperature | °C | N/A | 100.00 | 7.54 | 224.02 | 164.68 | N/A | |
| | | TRS (as H2S) | mg/m3 | 3.6 | 100.00 | 0.00 | 2.35 | 0.18 | Y | |
| November | 14-Dec | Flow | Nm3/s | 100 | 100.00 | 55.68 | 96.98 | 79.36 | Y | |
| | | Hydrogen chloride | mg/m3 | 50 | 99.72 | 0.00 | 49.89 | 1.63 | Y | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 28.91 | 24.26 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | 400 | 100.00 | 141.95 | 295.74 | 231.99 | Y | |
| | | Opacity | % | 20 | 99.69 | 0.00 | 45.94 | 2.85 | N | Equipment Issues |
| | | Oxygen (O2) | % | N/A | 100.00 | 1.77 | 11.77 | 3.67 | N/A | |
| | | Sulphur dioxide (SO2) | mg/m3 | 250 | 100.00 | 0.00 | 297.66 | 16.96 | N | Equipment Issues |
| | | Temperature | °C | N/A | 100.00 | 137.83 | 219.31 | 182.63 | N/A | |
| | | TRS (as H2S) | mg/m3 | 3.6 | 100.00 | 0.10 | 4.13 | 0.26 | Y | Planned Maintenance |

Latest Publication Date: 14-Dec-25

Monitoring Location No: 1

Environment Protection Licence: 10232

Description: Exit point from Stack 1 to Atmosphere

Reporting Period: July 2025 to June 2026

Monitoring Type: Grab Sample

Sample Type: Air

| Pollutant | Unit of measure | Concentration | | Sampling Freq | Date of Sample | Date of Report | Report No. | Data | Compliance (Yes/No) | Comment |
|---|-----------------|---------------|--|---------------|----------------|----------------|------------|------|---------------------|---------|
| | | Limit | | | | | | | | |
| Chlorine | mg/m3 | 100 | | Annual | | | | | | |
| Sulfuric acid mist & sulfur trioxide (as SO3) | mg/m3 | 20 | | Annual | | | | | | |
| TCDD (equivalent) | ng/m3 | 0.1 | | Annual | | | | | | |
| Total Solid Particles | mg/m3 | 50 | | 1st Qrt | 3-Sep-25 | 25-Sep-25 | R019318 | 50 | Y | |
| Total Solid Particles | mg/m3 | 50 | | 2nd Qrt | | | | | | |
| Total Solid Particles | mg/m3 | 50 | | 3rd Qrt | | | | | | |
| Total Solid Particles | mg/m3 | 50 | | 4th Qrt | | | | | | |
| Type 1 and 2 substances | mg/m3 | 1 | | Annual | | | | | | |

ND- No Data

N/A- Not Applicable



Latest Publication Date: 14-Dec-25

Monitoring Location No: 2

Environment Protection Licence:

10232

Description: Discharge duct downstream of Recovery Boiler A prior to junction with Stack 1

Reporting Period:

July 2025 to June 2026

Monitoring Type: Continuous

Sample Type: Air

| Month | Date of publication | Pollutant | Unit of measure | Reporting Level | Data collected (%) | Lowest value | Highest value | Mean | Compliance (Yes/No) | Comment |
|-----------|---------------------|--------------------------|-----------------|-----------------|--------------------|--------------|---------------|--------|---------------------|---------|
| July | 14-Aug | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 2.90 | 533.35 | 47.33 | N/A | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.01 | 98.95 | 52.41 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 27.20 | 24.42 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 66.88 | 232.89 | 185.36 | N/A | |
| | | Opacity | % | N/A | 100.00 | 0.72 | 23.66 | 3.66 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 2.13 | 16.47 | 3.58 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 91.25 | 180.18 | 170.28 | N/A | |
| August | 14-Sep | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 1.53 | 635.19 | 53.86 | N/A | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.05 | 98.79 | 50.15 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 27.57 | 24.58 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 58.98 | 212.31 | 175.34 | N/A | |
| | | Opacity | % | N/A | 100.00 | 0.64 | 23.34 | 3.35 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 1.98 | 15.35 | 3.62 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 161.72 | 183.23 | 172.48 | N/A | |
| September | 14-Oct | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 2.90 | 471.40 | 49.90 | N/A | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.05 | 97.14 | 42.01 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 26.36 | 23.72 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 41.56 | 200.04 | 175.05 | N/A | |
| | | Opacity | % | N/A | 100.00 | 0.40 | 54.54 | 4.66 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 1.42 | 17.61 | 3.79 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 160.14 | 207.62 | 171.97 | N/A | |
| October | 14-Nov | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 0.18 | 583.99 | 52.31 | N/A | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.00 | 97.38 | 29.66 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 27.49 | 20.88 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 1.75 | 198.15 | 143.46 | N/A | |
| | | Opacity | % | N/A | 100.00 | 0.36 | 78.50 | 3.27 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 1.38 | 21.01 | 6.24 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 11.93 | 176.33 | 143.88 | N/A | |
| November | 14-Dec | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 2.63 | 886.02 | 47.21 | N/A | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.00 | 96.97 | 50.01 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 27.01 | 24.53 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 61.86 | 278.02 | 170.12 | N/A | |
| | | Opacity | % | N/A | 100.00 | 0.89 | 65.01 | 3.70 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 1.96 | 21.00 | 3.66 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 147.92 | 174.41 | 169.11 | N/A | |

Latest Publication Date: 14-Dec-25

Monitoring Location No: 2

Environment Protection Licence:

10232

Description: Discharge duct downstream of Recovery Boiler A prior to junction with Stack 1

Reporting Period: July 2025 to June 2026

Monitoring Type: Grab Sample

Sample Type: Air

| Pollutant | Unit of measure | Reporting Level | Sampling Freq | Date of Sample | Date of Report | Report No. | Data | Compliance(Yes/No) | Comment |
|-----------------------|-----------------|-----------------|---------------|----------------|----------------|------------|------|--------------------|---------|
| Methanol | mg/m3 | N/A | Annual | | | | | | |
| Total Solid Particles | mg/m3 | N/A | Annual | | | | | | |

ND - No Data

N/A - Not applicable

Latest Publication Date: 14-Dec-25

Monitoring Location No: 3

Environment Protection Licence: 10232

Description: Discharge duct downstream of Power Boiler prior to junction with Stack 1

Reporting Period: July 2025 to June 2026

Monitoring Type: Continuous

Sample Type: Air

| Month | Date of publication | Pollutant | Unit of measure | Reporting Level | Data collected (%) | Lowest value | Highest value | Mean | Compliance (Yes/No) | Comment |
|-----------|---------------------|--------------------------|-----------------|-----------------|--------------------|--------------|---------------|--------|---------------------|---------|
| July | 14-Aug | Carbon monoxide (CO) | mg/m3 | N/A | 99.87 | 5.58 | 434.80 | 36.54 | N/A | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.00 | 73.52 | 36.60 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 32.10 | 21.45 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 0.01 | 256.88 | 183.79 | N/A | |
| | | Opacity | % | N/A | 100.00 | 2.87 | 63.47 | 10.75 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 1.42 | 21.70 | 5.21 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 17.10 | 224.63 | 191.31 | N/A | |
| August | 14-Sep | Carbon monoxide (CO) | mg/m3 | N/A | 99.19 | 12.19 | 156.39 | 54.46 | N/A | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.03 | 73.74 | 37.40 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 32.81 | 21.84 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 44.01 | 269.62 | 176.04 | N/A | |
| | | Opacity | % | N/A | 100.00 | 1.53 | 32.45 | 8.98 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.91 | 13.70 | 4.29 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 201.13 | 223.40 | 208.97 | N/A | |
| September | 14-Oct | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 18.09 | 113.86 | 45.47 | N/A | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.04 | 76.21 | 37.02 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 31.86 | 22.36 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 48.05 | 223.91 | 154.49 | N/A | |
| | | Opacity | % | N/A | 100.00 | 2.65 | 36.00 | 8.60 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 2.07 | 8.20 | 4.13 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 191.70 | 225.29 | 206.51 | N/A | |
| October | 14-Nov | Carbon monoxide (CO) | mg/m3 | N/A | 99.73 | 0.64 | 415.22 | 40.62 | N/A | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.00 | 74.74 | 33.58 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 33.57 | 19.33 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 0.00 | 243.28 | 126.99 | N/A | |
| | | Opacity | % | N/A | 100.00 | 3.56 | 90.48 | 8.36 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.47 | 21.71 | 6.09 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 12.67 | 229.72 | 180.45 | N/A | |
| November | 14-Dec | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 3.07 | 120.56 | 20.75 | N/A | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.04 | 90.32 | 38.79 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 31.12 | 21.43 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 45.45 | 252.98 | 174.96 | N/A | |
| | | Opacity | % | N/A | 100.00 | 3.19 | 51.58 | 9.31 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.01 | 20.75 | 2.54 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 185.95 | 215.19 | 203.57 | N/A | |

Latest Publication Date: 14-Dec-25
Monitoring Location No: 3 **Environment Protection Licence:** 10232
Description: Discharge duct downstream of Power Boiler prior to junction with Stack 1 **Reporting Period:** July 2025 to June 2026
Monitoring Type: Grab Sample **Sample Type:** Air

| Pollutant | Unit of measure | Concentration Limit | Sampling Freq | Date of Sample | Date of Report | Report No. | Data | Compliance (Yes/No) | Comment |
|-------------------------|-----------------|---------------------|---------------|----------------|----------------|------------|------|---------------------|---------|
| Cadmium | mg/m3 | 0.06 | 1st Qrt | | | | | | Note |
| Mercury | mg/m3 | 0.06 | 1st Qrt | | | | | | Note |
| TCDD (equivalent) | ng/m3 | 0.1 | 1st Qrt | | | | | | Note |
| Type 1 and 2 substances | mg/m3 | 0.6 | 1st Qrt | | | | | | Note |
| Cadmium | mg/m3 | 0.06 | 2nd Qrt | | | | | | Note |
| Mercury | mg/m3 | 0.06 | 2nd Qrt | | | | | | Note |
| TCDD (equivalent) | ng/m3 | 0.1 | 2nd Qrt | | | | | | Note |
| Total Solid Particles | mg/m3 | 30 | Annual | | | | | | Note 2 |
| Type 1 and 2 substances | mg/m3 | 0.6 | 2nd Qrt | | | | | | Note |
| Cadmium | mg/m3 | 0.06 | 3rd Qrt | | | | | | Note |
| Mercury | mg/m3 | 0.06 | 3rd Qrt | | | | | | Note |
| TCDD (equivalent) | ng/m3 | 0.1 | 3rd Qrt | | | | | | Note |
| Type 1 and 2 substances | mg/m3 | 0.6 | 3rd Qrt | | | | | | Note |
| Cadmium | mg/m3 | 0.06 | 4th Qrt | | | | | | Note |
| Mercury | mg/m3 | 0.1 | 4th Qrt | | | | | | Note |
| TCDD (equivalent) | ng/m3 | 0.1 | 4th Qrt | | | | | | Note |
| Type 1 and 2 substances | mg/m3 | 0.6 | 4th Qrt | | | | | | Note |

ND- No Data

N/A- Not Applicable

Note: Quarterly when non-standard fuels are being burnt in the Power Boiler, and not required at other times

Note 2: Concentration Limit only applicable when non-standard fuel is being burnt in the Power Boiler

Latest Publication Date: 14-Dec-25

Monitoring Location No: 4

Environment Protection Licence:

10232

Description: Discharge duct downstream of Lime Kiln A
prior to junction with Stack 1

Reporting Period:

July 2025 to June 2026

Monitoring Type: Continuous

Sample Type: Air

| Month | Date of publication | Pollutant | Unit of measure | Reporting Level | Data collected (%) | Lowest value | Highest value | Mean | Compliance (Yes/No) | Comment |
|-----------|---------------------|--------------------------|-----------------|-----------------|--------------------|--------------|---------------|--------|---------------------|---------|
| July | 14-Aug | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 10.67 | 5755.90 | 280.85 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 33.75 | 29.80 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 18.13 | 264.41 | 188.57 | N/A | |
| | | Opacity | % | N/A | 100.00 | 0.03 | 33.78 | 9.47 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.00 | 20.57 | 2.36 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 228.90 | 302.49 | 267.75 | N/A | |
| August | 14-Sep | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 4.49 | 8038.76 | 140.44 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 34.05 | 29.79 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 9.40 | 341.78 | 193.69 | N/A | |
| | | Opacity | % | N/A | 100.00 | 0.00 | 67.94 | 10.31 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.00 | 20.88 | 2.82 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 222.67 | 296.26 | 266.93 | N/A | |
| September | 14-Oct | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 7.58 | 4193.82 | 27.70 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 35.77 | 30.72 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 16.00 | 265.30 | 180.38 | N/A | |
| | | Opacity | % | N/A | 100.00 | 0.25 | 28.38 | 9.71 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.00 | 19.56 | 3.21 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 215.12 | 289.85 | 260.55 | N/A | |
| October | 14-Nov | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 4.49 | 8038.76 | 71.29 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 36.67 | 22.01 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 0.45 | 255.50 | 114.33 | N/A | |
| | | Opacity | % | N/A | 100.00 | 0.06 | 76.57 | 9.61 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 1.21 | 21.14 | 7.42 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 0.46 | 563.20 | 249.00 | N/A | |
| November | 14-Dec | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 4.49 | 5876.40 | 170.00 | N/A | |
| | | Moisture | % | N/A | 100.00 | 0.00 | 34.92 | 28.06 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 4.23 | 321.18 | 155.74 | N/A | |
| | | Opacity | % | N/A | 100.00 | 0.00 | 34.39 | 10.62 | N/A | |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.00 | 19.75 | 3.54 | N/A | |
| | | Temperature | °C | N/A | 100.00 | 206.25 | 294.94 | 259.11 | N/A | |



Latest Publication Date: 14-Dec-25

Monitoring Location No: 4

Environment Protection Licence:

10232

Description: Discharge duct downstream of Lime Kiln A prior to junction with Stack 1

Reporting Period:

July 2025 to June 2026

Monitoring Type: Grab Sample

Sample Type:

Air

| Pollutant | Unit of measure | Reporting Level | Sampling Freq | Date of Sample | Date of Report | Report No. | Data | Compliance(Yes/No) | Comment |
|-----------------------|-----------------|-----------------|---------------|----------------|----------------|------------|------|--------------------|---------|
| Total Solid Particles | mg/m3 | N/A | Annual | | | | | | |

ND - No Data
 N/A - Not applicable

Latest Publication Date: 14-Dec-25
Monitoring Location No: 21
Description: Discharge duct downstream of Lime Kiln B prior to junction with Stack 1
Monitoring Type: Continuous
Environment Protection Licence: 10232
Reporting Period: July 2025 to June 2026
Sample Type: Air

| Month | Date of publication | Pollutant | Unit of measure | Reporting Level | Data | | | Compliance (Yes/No) | Comment |
|-----------|---------------------|--------------------------|-----------------|-----------------|---------------|--------------|---------------|---------------------|---------|
| | | | | | collected (%) | Lowest value | Highest value | | |
| July | 14-Aug | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 0.56 | 5615.41 | 160.96 | N/A |
| | | Moisture | % | N/A | 100.00 | 0.00 | 39.05 | 30.29 | N/A |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 0.01 | 831.20 | 422.68 | N/A |
| | | Opacity | % | N/A | 100.00 | 0.01 | 90.60 | 7.07 | N/A |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.00 | 21.00 | 2.11 | N/A |
| | | Temperature | °C | N/A | 100.00 | 79.63 | 421.97 | 257.69 | N/A |
| August | 14-Sep | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 0.55 | 6000.00 | 213.93 | N/A |
| | | Moisture | % | N/A | 100.00 | 0.00 | 45.01 | 30.23 | N/A |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 0.00 | 677.25 | 411.81 | N/A |
| | | Opacity | % | N/A | 100.00 | 0.01 | 90.64 | 7.94 | N/A |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.00 | 19.40 | 2.63 | N/A |
| | | Temperature | °C | N/A | 100.00 | 65.20 | 447.36 | 260.19 | N/A |
| September | 14-Oct | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 0.55 | 6000.00 | 208.18 | N/A |
| | | Moisture | % | N/A | 100.00 | 0.00 | 37.52 | 29.78 | N/A |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 0.00 | 584.66 | 311.09 | N/A |
| | | Opacity | % | N/A | 100.00 | 0.01 | 90.53 | 5.96 | N/A |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.00 | 20.84 | 2.75 | N/A |
| | | Temperature | °C | N/A | 100.00 | 70.22 | 439.50 | 275.40 | N/A |
| October | 14-Nov | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 0.55 | 6000.00 | 201.56 | N/A |
| | | Moisture | % | N/A | 100.00 | 0.00 | 37.02 | 25.28 | N/A |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 0.00 | 1000.00 | 264.03 | N/A |
| | | Opacity | % | N/A | 100.00 | 0.01 | 82.60 | 5.68 | N/A |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.00 | 21.00 | 5.54 | N/A |
| | | Temperature | °C | N/A | 100.00 | 11.09 | 475.24 | 259.49 | N/A |
| November | 14-Dec | Carbon monoxide (CO) | mg/m3 | N/A | 100.00 | 0.49 | 6000.00 | 249.66 | N/A |
| | | Moisture | % | N/A | 100.00 | 0.00 | 35.94 | 26.65 | N/A |
| | | Nitrogen Oxides (as NO2) | mg/m3 | N/A | 100.00 | 0.01 | 584.63 | 332.75 | N/A |
| | | Opacity | % | N/A | 100.00 | 0.01 | 89.01 | 4.35 | N/A |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.00 | 21.00 | 2.47 | N/A |
| | | Temperature | °C | N/A | 100.00 | 63.76 | 442.34 | 278.08 | N/A |

Latest Publication Date: 14-Dec-25
Monitoring Location No: 21 **Environment Protection Licence:** 10232
Description: Discharge duct downstream of Lime Kiln B prior to junction with Stack 1 **Reporting Period:** July 2025 to June 2026
Monitoring Type: Grab Sample **Sample Type:** Air

| Pollutant | Unit of measure | Sampling Freq | Date of Sample | Date of Report | Report No. | Data | Comment |
|-----------------------|-----------------|---------------|----------------|----------------|------------|------|---------|
| Total Solid Particles | mg/m3 | Annual | | | | | |

General Note: Limits are not applicable to this monitoring point

Latest Publication Date: 14-Dec-25

Monitoring Location No: 22

Environment Protection Licence: 10232

Description: Exit point from Stack 2 to atmosphere

Reporting Period: July 2025 to June 2026

Monitoring Type: Continuous

Sample Type: Air

| Month | Date of publication | Pollutant | Unit of measure | Concentration Limit | Data | | | Compliance (Yes/No) | Comment | |
|-----------|---------------------|--------------------------|-----------------|---------------------|---------------|--------------|---------------|---------------------|---------|------------------|
| | | | | | collected (%) | Lowest value | Highest value | | | |
| July | 14-Aug | Flow | Nm3/s | N/A | 100.00 | 0.02 | 100.00 | 43.82 | N/A | |
| | | Hydrogen chloride | mg/m3 | 50 | 100.00 | 0.10 | 16.23 | 0.57 | Y | |
| | | Moisture | % | N/A | 100.00 | 14.82 | 40.28 | 17.97 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | 400 | 100.00 | 2.33 | 270.77 | 144.93 | Y | |
| | | Opacity | % | 20 | 99.62 | 3.68 | 28.43 | 9.28 | Y | Auto Calibration |
| | | Oxygen (O2) | % | N/A | 100.00 | 3.87 | 23.38 | 5.90 | N/A | |
| | | Sulphur dioxide (SO2) | mg/m3 | 250 | 100.00 | 0.00 | 3.49 | 0.73 | Y | |
| | | Temperature | °C | N/A | 100.00 | 153.96 | 173.49 | 165.32 | N/A | |
| August | 14-Sep | TRS (as H2S) | mg/m3 | 3.6 | 100.00 | 0.24 | 1.19 | 0.95 | Y | |
| | | Flow | Nm3/s | 100 | 100.00 | 0.01 | 100.00 | 44.02 | N/A | |
| | | Hydrogen chloride | mg/m3 | 50 | 99.87 | 0.11 | 32.74 | 0.58 | Y | |
| | | Moisture | % | N/A | 100.00 | 7.77 | 40.12 | 17.82 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | 400 | 100.00 | 29.77 | 199.86 | 126.89 | Y | |
| | | Opacity | % | 20 | 99.68 | 3.01 | 28.58 | 9.03 | Y | Auto Calibration |
| | | Oxygen (O2) | % | N/A | 100.00 | 3.65 | 23.14 | 5.74 | N/A | |
| | | Sulphur dioxide (SO2) | mg/m3 | 250 | 100.00 | 0.35 | 5.66 | 0.65 | Y | |
| September | 14-Oct | Temperature | °C | N/A | 100.00 | 152.69 | 172.39 | 163.37 | N/A | |
| | | TRS (as H2S) | mg/m3 | 3.6 | 100.00 | 0.31 | 1.77 | 1.05 | Y | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.00 | 100.00 | 40.85 | N/A | |
| | | Hydrogen chloride | mg/m3 | 50 | 100.00 | 0.00 | 44.25 | 1.27 | Y | |
| | | Moisture | % | N/A | 100.00 | 7.18 | 38.92 | 18.18 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | 400 | 100.00 | 0.36 | 271.04 | 138.46 | Y | |
| | | Opacity | % | 20 | 99.63 | 3.44 | 27.63 | 9.86 | Y | Auto Calibration |
| | | Oxygen (O2) | % | N/A | 100.00 | 3.51 | 25.00 | 6.67 | N/A | |
| October | 14-Nov | Sulphur dioxide (SO2) | mg/m3 | 250 | 100.00 | 0.00 | 43.20 | 0.75 | Y | |
| | | Temperature | °C | N/A | 100.00 | 148.84 | 170.05 | 162.98 | N/A | |
| | | TRS (as H2S) | mg/m3 | 3.6 | 100.00 | 0.04 | 3.00 | 0.85 | Y | |
| | | Flow | Nm3/s | N/A | 100.00 | 0.00 | 100.00 | 33.97 | N/A | |
| | | Hydrogen chloride | mg/m3 | 50 | 100.00 | 0.51 | 49.97 | 3.45 | Y | |
| | | Moisture | % | N/A | 100.00 | 16.64 | 16.64 | 16.64 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | 400 | 100.00 | 0.17 | 140.77 | 120.24 | Y | |
| | | Opacity | % | 20 | 99.68 | 2.80 | 54.29 | 10.27 | N | Equipment Issues |
| November | 14-Dec | Oxygen (O2) | % | N/A | 100.00 | 4.10 | 22.76 | 9.39 | N/A | |
| | | Sulphur dioxide (SO2) | mg/m3 | 250 | 100.00 | 0.00 | 0.89 | 0.39 | Y | |
| | | Temperature | °C | N/A | 100.00 | 9.10 | 170.26 | 128.25 | N/A | |
| | | TRS (as H2S) | mg/m3 | 3.6 | 100.00 | 0.09 | 1.56 | 0.54 | Y | |
| | | Flow | Nm3/s | 100 | 100.00 | 0.00 | 100.00 | 41.64 | N/A | |
| | | Hydrogen chloride | mg/m3 | 50 | 100.00 | 1.05 | 42.98 | 2.20 | Y | |
| | | Moisture | % | N/A | 100.00 | 16.64 | 16.64 | 16.64 | N/A | |
| | | Nitrogen Oxides (as NO2) | mg/m3 | 400 | 100.00 | 1.43 | 142.22 | 112.74 | Y | |
| | | Opacity | % | 20 | 99.58 | 3.95 | 43.98 | 12.31 | N | Equipment Issues |
| | | Oxygen (O2) | % | N/A | 100.00 | 0.01 | 22.74 | 7.67 | N/A | |
| | | Sulphur dioxide (SO2) | mg/m3 | 250 | 100.00 | 0.00 | 1.61 | 0.50 | Y | |
| | | Temperature | °C | N/A | 100.00 | 148.84 | 169.74 | 161.08 | N/A | |
| | | TRS (as H2S) | mg/m3 | 3.6 | 100.00 | 0.15 | 1.34 | 0.84 | Y | |

Latest Publication Date: 14-Dec-25

Monitoring Location No: 22

Environment Protection Licence: 10232

Description: Exit point from Stack 2 to atmosphere

Reporting Period: July 2025 to June 2026

Monitoring Type: Grab Sample

Sample Type: Air

| Pollutant | Unit of measure | Concentration Limit | Sampling Freq | Date of Sample | Date of Report | Report No. | Data | Compliance (Yes/No) | Comments |
|---|-----------------|---------------------|---------------|----------------|----------------|------------|------|---------------------|----------|
| Chlorine | mg/m3 | 100 | Annual | | | | | | |
| Sulfuric acid mist & sulfur trioxide (as SO3) | mg/m3 | 20 | Annual | | | | | | |
| TCDD (equivalent) | ng/m3 | 0.1 | Annual | | | | | | |
| Total Solid Particles | mg/m3 | 50 | 1st Qrt | 3-Sep-25 | 25-Sep-25 | R019318 | 13 | Y | |
| Total Solid Particles | mg/m3 | 50 | 2nd Qrt | | | | | | |
| Total Solid Particles | mg/m3 | 50 | 3rd Qrt | | | | | | |
| Total Solid Particles | mg/m3 | 50 | 4th Qrt | | | | | | |
| Type 1 and 2 substances | mg/m3 | 1 | Annual | | | | | | |

ND- No Data

N/A- Not Applicable