

Visy Pulp and Paper Tumut CEMS - Exceedance Report

13/03/2025

Reporting Period:

1/02/2025 - 1/03/2025 Environment Protection Licence No: 10232

Main Stack 1

Monitoring Location No:

Monitoring Type

Continuous

Sample Type:

Air

Description:

Exit point from Stack 1 to atmosphere

| Opacity | | Period: 6 Minutes | Limit: 20.00 % | | | |
|----------------|----------------|-------------------|--|--|--|-------------|
| Start Time | End Time | Cause | Operational State | Explanation | Corrective Action | Max Reading |
| 02/02/25 17:12 | 02/02/25 17:18 | Lime Kiln B | Lime Kiln B Un Scheduled Start-up/Shut-down | Kiln B shut down to shoot a ring at the back end of the Kiln causing the Exceedance | Ring formation shot out and Kiln restarted and stabilized. | 21.40 |
| 03/02/25 17:54 | 03/02/25 18:12 | Lime Kiln B | Equipment Issue/Failure | Kiln B tripped on flame scanner fault, exceedance was during the purge time. | Kiln restarted and stabilized. | 37.09 |
| 10/02/25 00:12 | 10/02/25 00:54 | Recovery Boiler A | Equipment Issue/Failure | RBA tripped due to severe lightning in the area, both ESP's down causing the exceedance. | RBA Restarted and stabilized. | 65.09 |
| 10/02/25 01:24 | 10/02/25 01:36 | Recovery Boiler A | RB A Un Scheduled Start-up/Shut-down | RBA tripped due to severe lightning in the area, both ESP's down causing the exceedance. | RBA Restarted and stabilized. | 82.28 |
| 10/02/25 20:54 | 10/02/25 22:18 | Recovery Boiler A | Equipment Issue/Failure | RBA tripped due to lightning strikes, both Kilns were stopped as well followed by a Mill shut down | Boiler was started and stabilized | 85.11 |
| 10/02/25 23:06 | 10/02/25 23:24 | Power Boiler | Equipment Issue/Failure | Boiler tripped due to lightning strikes in the area | Boiler restarted and stabilized | 33.08 |
| 11/02/25 01:48 | 11/02/25 02:06 | Power Boiler | Equipment Issue/Failure | Power boiler tripped due to low drum level caused by process upsets. | Boiler restarted and stabilized. | 41.80 |
| 11/02/25 02:12 | 11/02/25 02:24 | Power Boiler | Equipment Issue/Failure | Power boiler tripped due to low drum level caused by process upsets. | Boiler restarted and stabilized. | 45.86 |
| 12/02/25 17:12 | 12/02/25 17:24 | Lime Kiln B ESP | Equipment Issue/Failure | ESP Tripped due to a high CO spike caused from cleaning the lime feed chute. | ESP restarted after plant stabilized. | 45.37 |
| 15/02/25 17:18 | 15/02/25 17:24 | Lime Kiln B ESP | Equipment Issue/Failure | Kiln Fields 1 & 2 dropped off but not tripping, still caused an opacity exceedance. | Monitoring | 21.48 |

| 20/02/25 15:00 | 20/02/25 15:12 | Lime Kiln B ESP | Equipment Issue/Failure | We had ESP fields 1 & 2 dropping off again | Notified Electrical department to | 29.67 |
|----------------|----------------|-----------------|-------------------------|---|---|-------|
| = id (2c) - r | | | | momentarily without tripping causing the exceedance | investigate the cause of these fields dropping off. | |
| 21/02/25 11:00 | 21/02/25 11:06 | Lime Kiln A | Equipment Issue/Failure | Shooting a ring formation in the back of the Kiln generating lots of dust causing the exceedance. | Ring removed and plant stabilized. | 24.06 |
| 21/02/25 20:24 | 21/02/25 20:30 | Lime Kiln A | Equipment Issue/Failure | Group Instrumentation was working on the CO probe (BLOCKED DURING MAINT.) and operations saw the O2 going very low and stopped the ESP to protect the process and equipment | CO Probe was reinstalled and process stabilized, ESP restarted. | 35.62 |
| 25/02/25 11:30 | 25/02/25 11:36 | Lime Kiln A | Equipment Issue/Failure | While calibrating the Lime Density Tx, a faulty value input caused the Kiln to trip. | Calibration completed and Kiln restarted and stabilized. | 60.17 |
| 27/02/25 04:00 | 27/02/25 04:06 | Power Boiler EP | Normal (Steady State) | Soot-blowing the Power boiler causing ash buildup to dislodge and overload the ESP which caused the exceedance. | Soot blowing completed and conditions returned to normal. | 23.17 |

| Sulphur Dioxide (SO2) | | Period: 60 Minutes | Limit: 250.00 mg/Nm3 | | | |
|-----------------------|----------------|--------------------|-------------------------|---|---|-------------|
| Start Time | End Time | Cause | Operational State | Explanation | Corrective Action | Max Reading |
| 01/02/25 20:00 | 01/02/25 21:00 | Recovery Boiler A | Equipment Issue/Failure | NCG to Recovery Boiler flame arrester seems to be blocking and require frequent steaming out, this cause gasses to be diverted to the Power boiler. | We will divert the gasses to the Power boiler tonight, steam the system and early morning Tuesday add Zymeflow following the removal of the flame arrester for HP Cleaning. | 267.92 |
| 01/02/25 22:00 | 02/02/25 00:00 | Recovery Boiler A | Equipment Issue/Failure | NCG to Recovery Boiler flame arrester seems to be blocking and require frequent steaming out, this cause gasses to be diverted to the Power boiler. | We will divert the gasses to the Power boiler tonight, steam the system and early morning Tuesday add Zymeflow following the removal of the flame arrester for HP Cleaning. | 404.62 |
| 06/02/25 06:00 | 06/02/25 16:00 | Recovery Boiler A | Equipment Issue/Failure | Planned shut on RBA, NCG/SOG Gasses diverted to Power Boiler. | Shut completed and gasses diverted back to RBA | 462.94 |
| 10/02/25 00:00 | 10/02/25 02:00 | Recovery Boiler A | Equipment Issue/Failure | RBA tripped last night with severe lightning in the area and NCG/SOG diverted to the Power Boiler. | Recovery Boiler started up and Gasses diverted back to RBA | 624.67 |

Power Boiler

Monitoring Location No:

3

Monitoring Type

Continuous

Sample Type:

Air

Description:

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

| Carbon Monoxide (CO) Pe | | Period: 60 Minutes | Limit: 140.00 mg/Nm3 | | | | |
|-------------------------|----------------|--------------------|-------------------------|--|---------------------------------|-------------|--|
| Start Time | End Time | Cause | Operational State | Explanation | Corrective Action | Max Reading | |
| 10/02/25 22:00 | 10/02/25 23:00 | Power Boiler | Equipment Issue/Failure | Power Boiler tripped due to lightning strikes, and 2 times due to steam drum low level upsets, CO exceeded with fuel firing upsets | Boiler stabilized | 141.97 | |
| 11/02/25 00:00 | 11/02/25 01:00 | Power Boiler | Equipment Issue/Failure | Power Boiler tripped due to low steam drum level; CO exceeded with starting of solid fuel. | Boiler restarted and stabilized | 173.67 | |
| 11/02/25 02:00 | 11/02/25 03:00 | Power Boiler | Equipment Issue/Failure | Power Boiler tripped due to low steam drum level; CO exceeded with starting of solid fuel. | Boiler restarted and stabilized | 233.74 | |

Main Stack 2

Monitoring Location No:

Monitoring Type

Continuous

Sample Type:

Air

22

Description:

Exit point from Stack 2 to atmosphere

| Opacity | | Period: 6 Minutes | Limit: 20.00 % | | | |
|----------------|----------------|-----------------------------|-----------------------|------------------|-------------------|-------------|
| Start Time | End Time | Cause | Operational State | Explanation | Corrective Action | Max Reading |
| 01/02/25 16:18 | 01/02/25 16:24 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 25.84 |
| 02/02/25 16:18 | 02/02/25 16:24 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 23.13 |
| 03/02/25 16:18 | 03/02/25 16:24 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 23.56 |
| 04/02/25 16:18 | 04/02/25 16:24 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 26.58 |
| 05/02/25 16:18 | 05/02/25 16:24 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 23.00 |

| 06/02/25 16:18 | 06/02/25 16:24 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 25.10 |
|----------------|----------------|-----------------------------|-------------------------|--|--|-------|
| 07/02/25 16:18 | 07/02/25 16:24 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 24.71 |
| 08/02/25 16:18 | 08/02/25 16:24 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 24.14 |
| 09/02/25 16:18 | 09/02/25 16:24 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 22.69 |
| 10/02/25 16:18 | 10/02/25 16:24 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 21.36 |
| 14/02/25 02:42 | 14/02/25 02:48 | Recovery Boiler B ESP1 | Equipment Issue/Failure | ESP1 Field 3 and ESP field 1 kept tripping during heavy rainfall | Multiple restarts of the 2 fields eventually got them going and opacity was normalized | 24.43 |
| 14/02/25 02:54 | 14/02/25 03:06 | Recovery Boiler B ESP1 | Equipment Issue/Failure | ESP1 Field 3 and ESP field 1 kept tripping during heavy rainfall | Multiple restarts of the 2 fields eventually got them going and opacity was normalized | 89.30 |
| 14/02/25 16:12 | 14/02/25 16:18 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 20.85 |
| 15/02/25 16:12 | 15/02/25 16:18 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 22.81 |
| 16/02/25 16:12 | 16/02/25 16:18 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 23.56 |
| 17/02/25 16:12 | 17/02/25 16:18 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 24.11 |
| 18/02/25 16:12 | 18/02/25 16:18 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 23.51 |
| 19/02/25 16:12 | 19/02/25 16:18 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A The reason for the time changes is that every time the maintainers cycle the power off the time reset to that time | 24.78 |
| 19/02/25 17:12 | 19/02/25 17:18 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A The reason for the time changes is that every time the maintainers cycle the power off the time reset to that time | 23.78 |
| 20/02/25 09:30 | 20/02/25 09:36 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A The reason for the time changes is that every time the maintainers cycle the power off the time reset to that time | 21.57 |
| 24/02/25 09:24 | 24/02/25 09:30 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 21.02 |
| 25/02/25 09:24 | 25/02/25 09:30 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 21.80 |
| 27/02/25 09:24 | 27/02/25 09:30 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 23.14 |
| 28/02/25 09:24 | 28/02/25 09:30 | Auto Zero Span Verification | Normal (Steady State) | Auto Calibration | N/A | 23.14 |
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Authorised By:

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