

Visy Pulp and Paper Tumut CEMS - Exceedance Report

17/06/2025

Reporting Period: 1/05/2025 - 1/06/2025 Environment Protection Licence No: 10232

Main Stack 1

Monitoring Location No: 1
 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
01/05/25 06:54	01/05/25 07:06	Lime Kiln B ESP	Equipment Issue/Failure	CO increased and ESP's Load reduced, indicating possible loading of plates caused by buildup letting go.	Monitored for a few minutes and ESP loaded up again and returned to normal.	28.00
07/05/25 08:42	07/05/25 08:48	Lime Kiln B ESP	Equipment Issue/Failure	Kiln tripped on high CO caused while cleaning the backend.	Cleaning completed, equipment restarted and stabilized.	23.03
07/05/25 09:18	07/05/25 09:36	Lime Kiln A	Equipment Issue/Failure	Maintenance on Kiln A opacity measurement equipment.	Maintenance completed and back to normal operation.	44.43
20/05/25 14:06	20/05/25 14:18	Recovery Boiler A ESP2	RB A Scheduled Start-up/Shut-down	Planned shut on ESP 2 to inspect the internals. Opacity exceedance while putting ESP back in service.	N/A	30.07
20/05/25 14:30	20/05/25 14:36	Recovery Boiler A ESP2	RB A Scheduled Start-up/Shut-down	Planned shut on ESP 2 to inspect the internals. Opacity exceedance while putting ESP back in service.	N/A	24.88
20/05/25 19:18	20/05/25 19:24	Lime Kiln A ESP	Lime Kiln A Scheduled Start-up/Shut-down	LKA was shut down for maintenance in a planned shut. The unit started up well, but tripped again due to a lube pump failure - fixed the pump. While restarting, the kiln, the ESP tripped on high CO	Purge and restart the kiln.	23.98

21/05/25 06:06	21/05/25 06:12	Lime Kiln B ESP	Equipment Issue/Failure	While switching from the DCS controller to the K360 advanced controller, there was a step change (drop) in the ID fan controller --> high CO--> trip ESP	Speed up the ID fan in manual and restart	41.95
23/05/25 20:30	23/05/25 20:42	Lime Kiln B	Equipment Issue/Failure	Gas generator on LK B tripped which tripped the kiln. With the restart, we had opacity exceedance.	Investigate the cause of the trip to prevent future occurrences.	21.98
30/05/25 07:00	30/05/25 07:06	Power Boiler	Normal (Steady State)	The operator was testing the load burners which added more air into the furnace and the draft increased. Usually the test should be very short (<1min), but the operator left the burner in for approx 7 min with the air dampers in manual (which should go to E1 mode if running for longer than 1 min)	Stop the gas burner, communicate to ops team the impact of running the burner test for more than 1 min in MANUAL mode.	27.27

Sulphur Dioxide (SO2) Period: 60 Minutes Limit: 250.00 mg/Nm3						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
20/05/25 06:00	20/05/25 14:00	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Shut down Rec Boiler A for maintenance and diverted the NCG and SOG gasses to the Power Boiler	Completed jobs on Rec Boiler A and restart BL firing. Divert NCG and SOG back to the boiler.	535.78
20/05/25 15:00	20/05/25 17:00	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Shut down Rec Boiler A for maintenance and diverted the NCG and SOG gasses to the Power Boiler	Completed jobs on Rec Boiler A and restart BL firing. Divert NCG and SOG back to the boiler.	567.30

TRS (as H2S) Period: 60 Minutes Limit: 3.60 mg/Nm3						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
20/05/25 12:00	20/05/25 17:00	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Shut down Rec Boiler A for maintenance and diverted the NCG and SOG gasses to the Power Boiler	Completed jobs on Rec Boiler A and restart BL firing. Divert NCG and SOG back to the boiler.	19.17

Recovery Boiler A

Monitoring Location No: 2
Monitoring Type Continuous
Sample Type: Air
Description: Discharge duct downstream of Recovery Boiler A prior to junction with Stack 1

Nitrogen Oxides (as NO2)		Period: 60 Minutes	Limit: 250.00 mg/Nm3			
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
22/05/25 10:00	22/05/25 11:00	Recovery Boiler A	Normal (Steady State)	Preventative maintenance: Nox due to calibration from Group Instrumentation	N/A	282.21

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)		Period: 60 Minutes	Limit: 140.00 mg/Nm3			
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
13/05/25 05:00	13/05/25 06:00	Power Boiler	Normal (Steady State)	Soot blowing done, increased steam and fuel demand caused exceedance.	Instruction to ops to reduce boiler load pre - soot blowing to balance fuel/air during soot blowing.	166.57
13/05/25 23:00	14/05/25 00:00	Power Boiler	Equipment Issue/Failure	Fuel feeding Rotary feeder 2 tripped due to a blockage, gas burners started but due to loss of heat in the boiler with some unburned fuel in the bed.	Blockage cleared, fuel restarted, and boiler stabilized.	151.09
21/05/25 15:00	21/05/25 16:00	Power Boiler	Normal (Steady State)	Preventative maintenance from Group instrumentation.	Put units back in service	232.31

Nitrogen Oxides (as NO2)		Period: 60 Minutes	Limit: 300.00 mg/Nm3			
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
21/05/25 15:00	21/05/25 16:00	Power Boiler	Normal (Steady State)	Preventative maintenance from Group instrumentation.	Put units back in service	361.29

Main Stack 2

Monitoring Location No: 22

Monitoring Type Continuous

Sample Type: Air

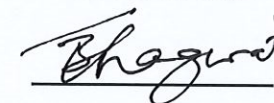
Description: Exit point from Stack 2 to atmosphere

Opacity		Period: 6 Minutes	Limit: 20.00 %			
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
01/05/25 08:06	01/05/25 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	25.44
02/05/25 08:06	02/05/25 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	23.61
03/05/25 08:06	03/05/25 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	25.40
04/05/25 08:06	04/05/25 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	22.31
05/05/25 08:06	05/05/25 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	21.09
09/05/25 08:00	09/05/25 08:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	20.97
10/05/25 08:00	10/05/25 08:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	22.99
11/05/25 08:00	11/05/25 08:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	21.79
12/05/25 08:00	12/05/25 08:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	24.02
13/05/25 08:00	13/05/25 08:06	Recovery Boiler B	Equipment Issue/Failure	Instrument department did maintenance on both ESP's and Main stack Opacity's	Maintenance completed and system returned to normal operations.	21.98
13/05/25 09:24	13/05/25 09:36	Recovery Boiler B	Equipment Issue/Failure	Instrument department did maintenance on both ESP's and Main stack Opacity's	Maintenance completed and system returned to normal operations.	26.32
13/05/25 11:36	13/05/25 11:42	Recovery Boiler B	Equipment Issue/Failure	Instrument department did maintenance on both ESP's and Main stack Opacity's	Maintenance completed and system returned to normal operations.	22.31
13/05/25 11:48	13/05/25 11:54	Recovery Boiler B	Equipment Issue/Failure	Instrument department did maintenance on both ESP's and Main stack Opacity's	Maintenance completed and system returned to normal operations.	38.37

13/05/25 12:30	13/05/25 12:42	Recovery Boiler B	Equipment Issue/Failure	Instrument department did maintenance on both ESP's and Main stack Opacity's	Maintenance completed and system returned to normal operations.	26.12
13/05/25 13:06	13/05/25 13:12	Recovery Boiler B	Equipment Issue/Failure	Instrument department did maintenance on both ESP's and Main stack Opacity's	Maintenance completed and system returned to normal operations.	27.52
14/05/25 13:06	14/05/25 13:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	24.42
15/05/25 13:06	15/05/25 13:12	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	22.95
20/05/25 13:00	20/05/25 13:06	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	21.16
21/05/25 13:00	21/05/25 13:06	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	20.61
22/05/25 13:00	22/05/25 13:06	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	21.42
23/05/25 13:00	23/05/25 13:06	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	20.63
24/05/25 13:00	24/05/25 13:06	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	21.05
25/05/25 13:00	25/05/25 13:06	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	22.37
26/05/25 13:00	26/05/25 13:06	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	23.97
27/05/25 13:00	27/05/25 13:06	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	24.78
28/05/25 13:00	28/05/25 13:06	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	25.30
29/05/25 13:00	29/05/25 13:06	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	22.68
30/05/25 13:00	30/05/25 13:06	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	24.15
31/05/25 13:00	31/05/25 13:06	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	25.53

Authorised By:

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