VISY
FOR A BETTER WORLD

Visy Pulp and Paper Tumut CEMS - Exceedance Report

10/01/2024

Reporting Period: 1/12/2023 - 1/01/2024 **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
02/12/23 22:12	02/12/23 22:18	Lime Kiln B ESP	Equipment Issue/Failure	Kiln B ESP Tripped on a high CO spike - process upset during start up.	Plant Stabilized and ESP restarted.	32.35
03/12/23 05:24	03/12/23 05:42	Lime Kiln B	Equipment Issue/Failure	Kiln Stopped to shoot out a very large ring formation causing the opacity exceedance.	Plant stabilized and restarted.	33.05
05/12/23 09:54	05/12/23 10:12	Lime Kiln B	Equipment Issue/Failure	Tripped lime kiln on high gas generator temperature, restart same opacity exceeded during start up.	Plant restarted and stabilized.	27.86
05/12/23 13:42	05/12/23 14:00	Lime Kiln B	Equipment Issue/Failure	Tripped kiln on high turbo oil temperature (wiring issue)	Equipment sorted out and plant restarted.	32.48
11/12/23 19:12	11/12/23 19:36	Lime Kiln B ESP	Lime Kiln B Un Scheduled Start-up/Shut-down	LK B ESP tripped while cleaning the smoke box	Restarted the ESP	54.65
12/12/23 00:06	12/12/23 00:18	Lime Kiln B	Lime Kiln B Scheduled Start-up/Shut-down	Planned job to stop the LK B so we can shoot the ring build-up in the back of the kiln	Controlled stop and shoot the ring - restart the Kiln and ESPs	36.84
12/12/23 09:48	12/12/23 10:00	Recovery Boiler A ESP2	RB A Scheduled Start-up/Shut-down	Planned shut to inspect the Precip internally. PrecipTech was onsite to do the inspection and repairs.	Inspect the Precip - did some minor repairs and then restarted.	24.09
13/12/23 08:36	13/12/23 08:42	Lime Kiln B	Lime Kiln B Scheduled Start-up/Shut-down	There was still some ring build-up left and we had to stop and re-shoot the ring build up in the back end of the Kiln	Shoot the ring - inspect - restart the Kiln B and ESP	20.74

18/12/23 17:42	18/12/23 17:54	Lime Kiln A ESP	Lime Kiln A Un Scheduled Start-up/Shut-down	Lime mud feed screw blocked - CO spiked and tripped Precip	Unblock feed screw and restart ESP	47.73
19/12/23 17:42	19/12/23 17:48	Lime Kiln B	Lime Kiln B Un Scheduled Start-up/Shut-down	Tripped Precip on high CO	restart Precip and opacity back in control	21.25
22/12/23 18:00	22/12/23 18:12	Lime Kiln B	Lime Kiln B Un Scheduled Start-up/Shut-down	Large ring buildup inside the kiln - shut down the kiln	Shoot the ring to collapse the build-up. Restart Kiln and ESP and monitor.	26.03
22/12/23 22:30	22/12/23 22:36	Lime Kiln B	Lime Kiln B Un Scheduled Start-up/Shut-down	The ring formation did not break up - had to stop the kiln again and shoot again	The ring collapsed this time and is looking much better --> restart kiln and ESP	21.51
31/12/23 08:54	31/12/23 10:24	Recovery Boiler A ESP1	Equipment Issue/Failure	ESP 1 Field 3 TR set tripped, initial reset did not work and upon further investigation a blown fuse was found causing the trip.	Fuse replaced and TR set 3 restarted and emissions brought under control.	45.62

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
01/12/23 12:30	01/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	20.23
02/12/23 12:30	02/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	21.09
03/12/23 12:30	03/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	21.46
04/12/23 12:30	04/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	20.47
05/12/23 12:30	05/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	23.02
06/12/23 12:30	06/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	21.26
07/12/23 12:30	07/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	22.36
08/12/23 12:30	08/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	21.32
09/12/23 12:30	09/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	22.81
10/12/23 12:30	10/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	22.51
11/12/23 12:30	11/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	22.25

12/12/23 12:30	12/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	20.67
13/12/23 12:30	13/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	23.15
14/12/23 12:30	14/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	24.25
15/12/23 12:30	15/12/23 12:36	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	21.79
22/12/23 12:24	22/12/23 12:30	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	20.01
23/12/23 12:24	23/12/23 12:30	Recovery Boiler B	Normal (Steady State)	Auto calibration	N/A	21.14
24/12/23 12:24	24/12/23 12:30	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	22.01
25/12/23 12:24	25/12/23 12:30	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	22.39
26/12/23 12:24	26/12/23 12:30	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	23.37
27/12/23 00:54	27/12/23 01:00	Recovery Boiler B ESP2	Equipment Issue/Failure	Lost ESP1 field 1 - opacity still okay, but when trying to restart the ESP, the group start function caused all the fields in ESP2 to stop and restart.	Restart ESP. To follow up is to review the start-up logic and omit the group start to simplify the restart process.	38.12
27/12/23 12:24	27/12/23 12:30	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	21.04
28/12/23 12:24	28/12/23 12:30	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	24.09
29/12/23 12:24	29/12/23 12:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.24
30/12/23 12:24	30/12/23 12:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	23.13
31/12/23 12:24	31/12/23 12:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.42

Authorised By:

Uday Bhagwat
Pulp Mill Manager

Johan Stoltz
General Manager