



Visy Pulp and Paper Tumut CEMS - Exceedance Report

5/11/2021

Reporting Period: 1/10/2021 - 1/11/2021 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

Hydrogen Chloride (HCl) Period: 60 Minutes Limit: 50.00 mg/Nm3						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
12/10/21 02:00	12/10/21 04:00	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	52.79

Opacity Period: 6 Minutes Limit: 20.00 %						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
10/10/21 08:30	10/10/21 08:36	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	30.31
10/10/21 08:54	10/10/21 09:54	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	82.31
11/10/21 07:18	11/10/21 07:54	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	42.70
11/10/21 08:06	11/10/21 10:42	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	62.23
11/10/21 10:48	11/10/21 10:54	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	28.25
11/10/21 11:00	11/10/21 11:12	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	22.88
11/10/21 11:30	11/10/21 11:42	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	20.77

11/10/21 11:48	11/10/21 13:12	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	65.25
11/10/21 13:18	11/10/21 13:30	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	22.39
11/10/21 16:12	11/10/21 16:30	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	26.14
11/10/21 16:42	11/10/21 16:48	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	22.02
11/10/21 17:42	11/10/21 18:00	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	25.41
11/10/21 18:30	11/10/21 18:36	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	21.27
11/10/21 19:00	11/10/21 19:06	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	20.37
11/10/21 19:12	11/10/21 19:18	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	20.08
11/10/21 21:18	12/10/21 01:24	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	42.11
12/10/21 02:36	12/10/21 02:42	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	30.62
12/10/21 03:00	12/10/21 03:06	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	21.25
12/10/21 03:30	12/10/21 03:54	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	20.76
12/10/21 04:00	12/10/21 04:06	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	20.07
12/10/21 04:30	12/10/21 04:54	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	28.49
12/10/21 05:36	12/10/21 05:48	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	20.70
12/10/21 07:06	12/10/21 09:24	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	67.18
12/10/21 10:00	12/10/21 10:54	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	31.37
18/10/21 15:48	18/10/21 16:18	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	40.47

18/10/21 17:06	18/10/21 17:12	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	28.33
19/10/21 05:12	19/10/21 05:18	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	20.88
19/10/21 07:00	19/10/21 07:36	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	26.16
19/10/21 10:12	19/10/21 10:24	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	23.46
19/10/21 10:30	19/10/21 10:42	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	23.24
19/10/21 10:48	19/10/21 11:06	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	21.33
19/10/21 11:18	19/10/21 11:30	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	22.16
19/10/21 11:36	19/10/21 12:00	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	28.89
20/10/21 08:00	20/10/21 08:12	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	MSD 2021 run down and start up of RBA LKA/B	All plants started after MSD and stalled	33.36
22/10/21 07:06	22/10/21 07:12	Recovery Boiler A ESP2	Normal (Steady State)	ID fan tripped with high bearing temperature	Maintenance attended to the fan and fan was restarted, plant stabilised	28.44
22/10/21 07:24	22/10/21 07:36	Recovery Boiler A ESP2	Normal (Steady State)	ID fan tripped with high bearing temperature	Maintenance attended to the fan and fan was restarted, plant stabilised	33.07
22/10/21 12:48	22/10/21 13:00	Recovery Boiler B ESP1/ESP2	Normal (Steady State)	Overcurrent tripped TGA and both ESP's on RBA, and then as a result on losing TGA RBA then tripped due to low drum level.	Plant restarted and stabilised	41.38
22/10/21 22:48	22/10/21 22:54	Lime Kiln A	Lime Kiln A Scheduled Start-up/Shut-down	Lime Kiln starting up after MSD	Plant started and stabilised	32.16
25/10/21 12:42	25/10/21 13:06	Recovery Boiler A ESP1/ESP2	RB A Un Scheduled Start-up/Shut-down	Lost TGA due to Overcurrent spike and this also tripped RBA precipitators	ESP's reset and restarted.	90.15

Sulphur Dioxide (SO ₂)						
Period: 60 Minutes		Limit: 250.00 mg/Nm ³				
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
11/10/21 09:00	11/10/21 10:00	Power Boiler EP	Burning NCG/Stripper Gases in Power Boiler	Gasses diverted to PB while RBA shutting down.	Plants was shut down for MSD, emissions returned to normal	293.09

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
25/10/21 09:00	25/10/21 11:00	Recovery Boiler A	Normal (Steady State)	RBA upset due to TGA tripping	Plant stabilised	259.82

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
12/10/21 10:00	12/10/21 17:00	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Shut Down and Start up after MSD 2021	Plant stabilised after start.	250.61
12/10/21 17:00	12/10/21 20:00	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Shut Down and Start up after MSD 2021	Plant stabilised after start.	158.14
13/10/21 11:00	13/10/21 17:00	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Shut Down and Start up after MSD 2021	Plant stabilised after start.	176.35
13/10/21 17:00	13/10/21 21:00	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Shut Down and Start up after MSD 2021	Plant stabilised after start.	169.10
14/10/21 19:00	14/10/21 21:00	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Shut Down and Start up after MSD 2021	Plant stabilised after start.	209.01

19/10/21 21:00	20/10/21 02:00	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Shut Down and Start up after MSD 2021	Plant stabilised after start.	209.25
21/10/21 02:00	21/10/21 04:00	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Shut Down and Start up after MSD 2021	Plant stabilised after start.	166.46
21/10/21 06:00	21/10/21 08:00	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Shut Down and Start up after MSD 2021	Plant stabilised after start.	174.19

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
01/10/21 22:00	01/10/21 22:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None required	24.45
02/10/21 22:00	02/10/21 22:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None required	23.21
03/10/21 23:00	03/10/21 23:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None required	24.07
04/10/21 23:00	04/10/21 23:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None required	24.07
05/10/21 23:00	05/10/21 23:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.69
06/10/21 23:00	06/10/21 23:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.30
07/10/21 23:00	07/10/21 23:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.30
08/10/21 23:00	08/10/21 23:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.85
09/10/21 23:00	09/10/21 23:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.04
10/10/21 03:30	10/10/21 03:36	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Busy with RBB MSD 2021 Rundown.	None required	22.68
10/10/21 08:54	10/10/21 09:00	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	28.76
10/10/21 11:36	10/10/21 16:00	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	87.24
10/10/21 16:12	10/10/21 16:18	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	24.04

10/10/21 21:36	10/10/21 21:42	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	21.65
10/10/21 23:00	10/10/21 23:06	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	23.18
11/10/21 00:36	11/10/21 01:30	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	61.78
11/10/21 23:00	11/10/21 23:06	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	21.12
12/10/21 23:00	12/10/21 23:06	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	20.90
13/10/21 23:00	13/10/21 23:06	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	21.65
14/10/21 14:36	14/10/21 14:48	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	43.42
19/10/21 17:24	19/10/21 17:30	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	28.98
20/10/21 19:54	20/10/21 20:00	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	20.27
20/10/21 22:42	20/10/21 22:48	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Shut down and start up MSD 2021	Plant started after MSD and stabilised	34.97
21/10/21 19:54	21/10/21 20:00	Recovery Boiler B	Normal (Steady State)	Auto Calibration	None Required	21.27
22/10/21 19:54	22/10/21 20:00	Recovery Boiler B	Normal (Steady State)	Auto Calibration	None Required	21.97
23/10/21 19:54	23/10/21 20:00	Recovery Boiler B	Normal (Steady State)	Auto Calibration	None Required	21.18
24/10/21 19:54	24/10/21 20:00	Recovery Boiler B	Normal (Steady State)	Auto Calibration	None Required	24.36
25/10/21 19:54	25/10/21 20:00	Recovery Boiler B	Normal (Steady State)	Auto Calibration	None Required	20.99
26/10/21 19:54	26/10/21 20:00	Recovery Boiler B	Normal (Steady State)	Auto Calibration	None Required	24.16
27/10/21 19:54	27/10/21 20:00	Recovery Boiler B	Normal (Steady State)	Auto Calibration	None Required	24.84
28/10/21 19:54	28/10/21 20:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.67
29/10/21 19:54	29/10/21 20:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.04
30/10/21 19:54	30/10/21 20:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.28
31/10/21 19:54	31/10/21 20:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.60

Authorised By:

Uday Bhagwat
Pulp Mill Manager


8.11.21

Johan Stoltz
General Manager

