

## Visy Pulp and Paper Tumut CEMS - Exceedance Report

11/02/2020

Reporting Period: 1/01/2020 - 1/02/2020 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
01/01/20 05:18	01/01/20 05:30	Lime Kiln A ESP	Normal (Steady State)	Shooting rocks - upset conditions	Plant stabilized	21.90
01/01/20 14:12	01/01/20 14:18	Lime Kiln A ESP	Normal (Steady State)	Shooting rocks - upset conditions	Plant stabilized	24.75
01/01/20 16:24	01/01/20 16:30	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	22.53
02/01/20 16:24	02/01/20 16:30	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	20.40
04/01/20 16:12	04/01/20 16:18	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	21.93
04/01/20 17:24	04/01/20 17:48	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	46.72
04/01/20 18:36	04/01/20 18:42	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	20.63
05/01/20 10:48	05/01/20 11:12	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	90.35
05/01/20 11:30	05/01/20 11:54	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	67.84
05/01/20 12:00	05/01/20 12:06	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	22.35
05/01/20 15:00	05/01/20 17:00	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	49.86
05/01/20 17:00	05/01/20 17:06	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	21.41

05/01/20 17:12	05/01/20 17:18	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	20.50
05/01/20 17:24	05/01/20 17:30	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	20.21
05/01/20 20:30	05/01/20 20:36	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	20.03
06/01/20 03:12	06/01/20 03:18	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	20.94
06/01/20 03:24	06/01/20 03:30	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	22.78
06/01/20 03:36	06/01/20 04:12	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	25.33
06/01/20 04:24	06/01/20 04:36	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	24.68
06/01/20 12:12	06/01/20 12:36	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	58.63
06/01/20 15:00	06/01/20 15:06	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	32.22
06/01/20 16:18	06/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.54
06/01/20 19:36	06/01/20 19:42	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	20.48
06/01/20 20:00	06/01/20 20:12	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	34.58
07/01/20 01:18	07/01/20 01:30	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	24.18
07/01/20 02:12	07/01/20 02:18	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	20.48
07/01/20 04:54	07/01/20 05:00	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	20.43
07/01/20 05:00	07/01/20 05:06	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	24.90
07/01/20 15:42	07/01/20 15:48	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	33.88
07/01/20 16:18	07/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.01
07/01/20 20:36	07/01/20 20:42	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	38.93
08/01/20 00:42	08/01/20 00:48	Lime Kiln A	Lime Kiln A Un Scheduled Start-up/Shut-down	Process upsets with blockages causing shut down	Cleared blockages and restarted plant	22.09
08/01/20 15:12	08/01/20 15:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.41
08/01/20 16:18	08/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.26
09/01/20 16:18	09/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.22



10/01/20 07:48	10/01/20 08:00	Lime Kiln B	Lime Kiln B Un Scheduled Start-up/Shut-down	Kiln main burner Tripped due to a suspected flame scanner	Inspected and plant restarted.	27.79
10/01/20 16:18	10/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.34
11/01/20 16:18	11/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.26
12/01/20 16:18	12/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.10
13/01/20 16:18	13/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.52
14/01/20 16:18	14/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.48
15/01/20 16:18	15/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.28
16/01/20 16:18	16/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.92
17/01/20 16:18	17/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.45
17/01/20 21:48	17/01/20 21:54	Lime Kiln A	Normal (Steady State)	Kiln stopped due to high White liquor inventory (Digester reduced)	Plant stabilized	21.27
18/01/20 16:18	18/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.98
19/01/20 03:30	19/01/20 03:42	Lime Kiln A ESP	Normal (Steady State)	Kiln ESP tripped due to high CO	Equipment restarted and stabilized	23.22
19/01/20 16:18	19/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	29.23
20/01/20 02:00	20/01/20 02:06	Lime Kiln A	Lime Kiln A Un Scheduled Start-up/Shut-down	Kiln drag chain tripped - plant off line	Drag chain reset and plant restarted and stabilized	29.59
20/01/20 16:18	20/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.01
21/01/20 16:18	21/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.61
22/01/20 16:18	22/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.14
23/01/20 16:18	23/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.07
23/01/20 18:06	23/01/20 19:06	Power Boiler	Power Boiler Un Scheduled Start-up/Shut-down	Power outage across the whole mill (lost the main incomer)	Mill restarted and stabilized	81.29
23/01/20 19:18	23/01/20 19:24	Power Boiler	Power Boiler Un Scheduled Start-up/Shut-down	Power outage across the whole mill (lost the main incomer)	Mill restarted and stabilized	23.52
23/01/20 19:30	23/01/20 21:30	Power Boiler	Power Boiler Un Scheduled Start-up/Shut-down	Power outage across the whole mill (lost the main incomer)	Mill restarted and stabilized	87.74
24/01/20 01:18	24/01/20 01:24	Power Boiler	Power Boiler Un Scheduled Start-up/Shut-down	Power outage across the whole mill (lost the main incomer)	Mill restarted and stabilized	21.43
24/01/20 16:18	24/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.80
25/01/20 16:18	25/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.91
26/01/20 05:30	26/01/20 05:42	Lime Kiln B ESP	Normal (Steady State)	ESP tripped while blowing out smoke box	Equipment restarted and stabilized	48.63
26/01/20 16:18	26/01/20 16:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.26
30/01/20 12:42	30/01/20 12:48	Lime Kiln A ESP	Normal (Steady State)	Kiln ESP tripped due to high CO	Equipment restarted and stabilized	21.92
30/01/20 16:12	30/01/20 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.12
31/01/20 16:12	31/01/20 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.56

**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
04/01/20 16:00	04/01/20 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	141.42
23/01/20 18:00	23/01/20 20:00	Power Boiler	Power Boiler Un Scheduled Start-up/Shut-down	Full Blackout due to power failure	Power Restored and plant restarted and stabilized	220.76

**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
01/01/20 12:00	01/01/20 12:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.16
02/01/20 12:00	02/01/20 12:06	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	26.36
03/01/20 12:00	03/01/20 12:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.97
04/01/20 12:00	04/01/20 12:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.61
04/01/20 16:30	04/01/20 16:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.04
05/01/20 14:18	05/01/20 14:48	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	33.40
05/01/20 14:54	05/01/20 15:00	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	20.49
05/01/20 16:30	05/01/20 16:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.62



06/01/20 09:36	06/01/20 09:42	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	24.78
06/01/20 11:06	06/01/20 11:12	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	27.84
06/01/20 11:42	06/01/20 11:54	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Scheduled shut down of the mill due to fire hazard in the area	Planned start and stabilizing of Pulp Mill.	45.50
06/01/20 16:30	06/01/20 16:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.56
07/01/20 16:30	07/01/20 16:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.21
08/01/20 16:30	08/01/20 16:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.52
09/01/20 16:30	09/01/20 16:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.34
10/01/20 16:30	10/01/20 16:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.52
11/01/20 16:30	11/01/20 16:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.88
12/01/20 16:30	12/01/20 16:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.13
13/01/20 09:24	13/01/20 09:30	Recovery Boiler B ESP1/ESP2	Normal (Steady State)	E&I Calibrating duct 1/2 and stack opacities	None Required	50.60
13/01/20 16:30	13/01/20 16:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.17
16/01/20 11:12	16/01/20 11:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.10
17/01/20 11:12	17/01/20 11:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.97
18/01/20 11:12	18/01/20 11:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.51
19/01/20 11:12	19/01/20 11:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.95
20/01/20 11:12	20/01/20 11:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.76
21/01/20 11:12	21/01/20 11:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.99
22/01/20 11:12	22/01/20 11:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.78
23/01/20 11:12	23/01/20 11:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.77
23/01/20 18:36	23/01/20 19:24	Recovery Boiler B ESP1/ESP2	RB B Un Scheduled Start-up/Shut-down	Total power outage in mill	Plant restarted and stabilized	88.47
23/01/20 19:30	23/01/20 19:42	Recovery Boiler B ESP1/ESP2	RB B Un Scheduled Start-up/Shut-down	Total power outage in mill	Plant restarted and stabilized	21.50
24/01/20 18:36	24/01/20 18:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.67
25/01/20 18:36	25/01/20 18:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.84
26/01/20 18:36	26/01/20 18:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.86
27/01/20 18:36	27/01/20 18:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.77
28/01/20 18:36	28/01/20 18:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.13

<b>TRS (as H2S)</b> <b>Period: 60 Minutes</b> <b>Limit: 3.60 mg/Nm3</b>						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
03/01/20 09:00	03/01/20 10:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	4.47

31/01/20 10:00	31/01/20 11:00	Recovery Boiler B ESP1/ESP2	Normal (Steady State)	Weekly maintenance and calibration	None Required	3.73
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Authorised By:

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