

## Visy Pulp and Paper Tumut CEMS - Exceedance Report

13/05/2020

Reporting Period: 1/04/2020 - 1/05/2020 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
01/04/20 14:54	01/04/20 15:06	Lime Kiln B ESP	Lime Kiln B Un Scheduled Start-up/Shut-down	ESP Tripped on high CO	ESP restarted and stabilized	62.36
01/04/20 16:00	01/04/20 16:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.72
01/04/20 21:24	01/04/20 21:30	Lime Kiln B	Normal (Steady State)	Kiln B - cleaning the smoke box	Monitoring	30.56
02/04/20 01:24	02/04/20 01:30	Lime Kiln A	Lime Kiln A Un Scheduled Start-up/Shut-down	Kiln A lost flame earlier and on start up exceeded the opacity.	Plant stabilized and monitored	28.73
02/04/20 06:18	02/04/20 06:30	Lime Kiln B	Lime Kiln B Scheduled Start-up/Shut-down	Plant shutting down for PSD	Monitoring while shutting down.	46.29
02/04/20 10:00	02/04/20 10:06	Lime Kiln B	Lime Kiln B Scheduled Start-up/Shut-down	Kiln B Starting up	Plant stabilizing and monitoring	22.16
02/04/20 11:48	02/04/20 12:06	Lime Kiln B	Lime Kiln B Scheduled Start-up/Shut-down	Kiln B Starting up	Plant stabilizing and monitoring	32.71
02/04/20 16:00	02/04/20 16:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	27.74
03/04/20 16:00	03/04/20 16:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	27.86
04/04/20 16:00	04/04/20 16:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	28.81
05/04/20 15:00	05/04/20 15:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	27.81
06/04/20 06:48	06/04/20 06:54	Lime Kiln B	Lime Kiln B Un Scheduled Start-up/Shut-down	Kiln had issues with bucket elevator - preparing for start up.	Will start plant and stabilize process.	23.30
06/04/20 15:00	06/04/20 15:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	28.49
07/04/20 15:00	07/04/20 15:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	25.07
08/04/20 05:42	08/04/20 05:48	Lime Kiln A	Lime Kiln A Un Scheduled Start-up/Shut-down	Drag chain tripped and flame lost on kiln - plant down.	Plant restarted and stabilized.	35.90

08/04/20 15:00	08/04/20 15:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	23.61
09/04/20 15:00	09/04/20 15:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	20.30
09/04/20 20:36	09/04/20 20:48	Lime Kiln B ESP	Normal (Steady State)	Blew out the smoke box and tripped the ESP on high CO	Equipment started again and plant stabilized	58.93
11/04/20 14:54	11/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.11
11/04/20 19:24	11/04/20 19:42	Lime Kiln B ESP	Normal (Steady State)	High CO spike tripped out the ESP	Equipment restarted and plant stabilized	70.57
12/04/20 14:54	12/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.58
13/04/20 14:54	13/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.15
14/04/20 14:54	14/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.38
15/04/20 06:06	15/04/20 06:18	Lime Kiln B ESP	Normal (Steady State)	Kiln ESP tripped due to high CO spike	Equipment restarted and plant stabilized	63.41
15/04/20 14:54	15/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.58
16/04/20 14:54	16/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.84
17/04/20 14:54	17/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.98
18/04/20 14:54	18/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.29
19/04/20 05:36	19/04/20 05:42	Lime Kiln B ESP	Normal (Steady State)	Kiln ESP tripped due to high CO spike	Equipment restarted and plant stabilized	23.25
19/04/20 14:54	19/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.96
19/04/20 17:54	19/04/20 18:06	Lime Kiln B ESP	Normal (Steady State)	Kiln ESP tripped due to high CO spike	Equipment restarted and plant stabilized	56.66
20/04/20 10:54	20/04/20 11:00	Lime Kiln A ESP	Normal (Steady State)	Kiln ESP tripped due to high CO spike	Equipment restarted and plant stabilized	20.38
20/04/20 14:54	20/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.31
21/04/20 14:54	21/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.50
22/04/20 14:54	22/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.64
23/04/20 14:54	23/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.91
24/04/20 14:54	24/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.18
25/04/20 14:54	25/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.44
26/04/20 14:54	26/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.87
27/04/20 14:54	27/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.91
27/04/20 16:12	27/04/20 16:18	Power Boiler EP	Normal (Steady State)	Precipitator tripped ash transfer hopper full - interlock tripped ESP	Transfer hopper emptied and ESP restarted	24.47
28/04/20 03:24	28/04/20 03:36	Power Boiler EP	Normal (Steady State)	ESP tripped due to high CO	Plant restarted and stabilized	86.13
28/04/20 14:54	28/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	28.45
29/04/20 02:12	29/04/20 02:24	Power Boiler EP	Normal (Steady State)	Precip field 1 overloaded	Monitored as it did not trip	20.58
29/04/20 14:54	29/04/20 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	29.13



Sulphur Dioxide (SO2)		Period: 60 Minutes	Limit: 250.00 mg/Nm3			
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
02/04/20 09:00	02/04/20 13:00	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Gasses diverted to the Power boiler during the PSD on RBA	Plant started after maintenance completed and gasses diverted back to RBA	330.85

## Main Stack 2

Monitoring Location No: 22

Monitoring Type Continuous

Sample Type: Air

Description: Exit point from Stack 2 to atmosphere

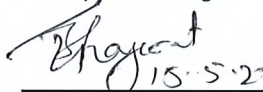
Opacity		Period: 6 Minutes	Limit: 20.00 %			
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
03/04/20 18:12	03/04/20 18:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	20.57
04/04/20 18:12	04/04/20 18:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	21.69
05/04/20 17:12	05/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	21.49
06/04/20 17:12	06/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	22.45
07/04/20 02:54	07/04/20 03:06	Recovery Boiler B ESP2	Normal (Steady State)	ESP 1 field 2 tripped	Elect. dept investigated and unit was found with no fault - reset and started	33.66
07/04/20 03:42	07/04/20 03:48	Recovery Boiler B ESP1	Normal (Steady State)	ESP 1 field 2 tripped	Elect. dept investigated and unit was found with no fault - reset and started, added a negative bias to ESP 1 and increased ESP 2	21.07
07/04/20 17:12	07/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	21.46
08/04/20 17:12	08/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	22.91
09/04/20 17:12	09/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	21.86
10/04/20 17:12	10/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	23.35
11/04/20 17:12	11/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	23.18
12/04/20 17:12	12/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	24.56
13/04/20 17:12	13/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	24.27
14/04/20 17:12	14/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.84
15/04/20 17:12	15/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.40

16/04/20 17:12	16/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.61
17/04/20 17:12	17/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.78
18/04/20 17:12	18/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.79
19/04/20 17:12	19/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.15
20/04/20 17:12	20/04/20 17:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.20
24/04/20 17:06	24/04/20 17:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.55
25/04/20 17:06	25/04/20 17:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.76
26/04/20 17:06	26/04/20 17:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.52
27/04/20 17:06	27/04/20 17:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.46
28/04/20 17:06	28/04/20 17:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.35
29/04/20 17:06	29/04/20 17:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.88
29/04/20 20:42	29/04/20 20:54	Recovery Boiler B ESP2	Normal (Steady State)	ESP 2 field 1 tripped	Field reset and restarted	51.98
30/04/20 17:06	30/04/20 17:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.85

TRs (as H <sub>2</sub> S)		Period: 60 Minutes	Limit: 3.60 mg/Nm <sup>3</sup>			
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
09/04/20 09:00	09/04/20 10:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	5.59

Authorised By:

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Pulp Mill Manager

  
15.5.20

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