

Visy Pulp and Paper Tumut CEMS - Exceedance Report

Reporting Period:

1/07/2021 - 1/08/2021 Environment Protection Licence No:

10232

Main Stack 1

Monitoring Location No:

Monitoring Type

Continuous

Sample Type:

Air

Description:

Exit point from Stack 1 to atmosphere

Nitrogen Oxides (as NO2) Period: 60 Minutes		Limit: 400.00 mg/Nm3				
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
25/07/21 14:00	25/07/21 15:00	Lime Kiln A	Normal (Steady State)	Issues with lime feed pump tripping on level interlock, process upsets	Plant being stabilised	421.13
25/07/21 16:00	25/07/21 17:00	Lime Kiln A	Normal (Steady State)	Issues with lime feed pump tripping on level interlock, process upsets	Plant being stabilised	414.27
25/07/21 17:00	25/07/21 19:00	Lime Kiln A	Normal (Steady State)	Issues with lime feed pump tripping on level interlock, process upsets	Plant being stabilised	438.60

Opacity		Period: 6 Minutes	Limit: 20.00 %			
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
02/07/21 11:06	02/07/21 11:12	Lime Kiln B	Lime Kiln B Un Scheduled Start-up/Shut-down	Kiln stopped to replace the filter on the gas generator	Plant restarted and stabilised	22.55
02/07/21 13:54	02/07/21 14:00	Lime Kiln B	Lime Kiln B Un Scheduled Start-up/Shut-down	Kiln stopped to replace the filter on the gas generator	Plant restarted and stabilised	30.59
03/07/21 00:12	03/07/21 00:36	Recovery Boiler A ESP1	Normal (Steady State)	Shearpin broke on Rotary feeder 1 of ESP 1 causing ESP to shut down.	Replaced shearpin and Unit started again.	90.10
11/07/21 05:54	11/07/21 06:18	Recovery Boiler A	RB A Un Scheduled Start-up/Shut-down	Boiler tripped due to issues with Black liquor system	Boiler Restarted and stabilized	36.36
11/07/21 06:48	11/07/21 07:00	Recovery Boiler A	RB A Un Scheduled Start-up/Shut-down	Boiler tripped due to issues with Black liquor system	Boiler Restarted and stabilized	34.33

20/07/21 10:18	20/07/21 10:24	Recovery Boiler A	RB A Scheduled	Recovery boiler A stopped for condensate	Liquor header washed and plant	22.68
			Start-up/Shut-down	washing of the black liquor header,	restarted.	4
				exceedance was due to stopping and starting		
				of boiler.	7	
25/07/21 11:18	25/07/21 11:48	Lime Kiln A ESP	Normal (Steady State)	Lime feed pump tripped due to level interlock -	Pump restarted, ESP back on line and	58.91
		ì		Causing high CO in kiln A tripping ESP	plant stabilised	
29/07/21 12:42	29/07/21 12:48	Recovery Boiler A	RB A Scheduled	Recovery boiler A stopped for condensate	Liquor header washed and plant	20.17
		×	Start-up/Shut-down	washing of the black liquor header,	restarted.	50
		*		exceedance was due to stopping and starting		
,		,		of boiler.		v

Sulphur Dioxide (SO2) Period: 60 Minutes		Limit: 250.00 mg/Nm3				
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
11/07/21 06:00	11/07/21 07:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Gasses diverted to Power Boiler during Recovery boiler trip	Recovery boiler started and gasses diverted back from Power boiler.	286.67
20/07/21 09:00	20/07/21 12:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	SOG/NCG gasses burned in Power boiler while Recovey was off line	Recovery boiler started and stabilised, SOG/NCG gasses returned to RBA	348.94

Power Boller

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
10/07/21 16:00	10/07/21 17:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in the incorrect direction.	Dampers corrected and CO returned to normal levels, caution noted in the Daily Guidlines on adjusting these dampers	171.32

12/07/21 03:00	12/07/21 05:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in	Dampers corrected and CO returned	205.23
				the incorrect direction.	to normal levels, caution noted in the Daily Guidlines on adjusting these dampers	
12/07/21 05:00	12/07/21 10:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in the incorrect direction.	Dampers corrected and CO returned to normal levels, caution noted in the Daily Guidlines on adjusting these dampers	250.71
13/07/21 11:00	13/07/21 13:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in the incorrect direction.	Dampers corrected and CO returned to normal levels, caution noted in the Daily Guidlines on adjusting these dampers	247.62
13/07/21 17:00	13/07/21 19:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in the incorrect direction.	Dampers corrected and CO returned to normal levels, caution noted in the Daily Guidlines on adjusting these dampers	217.31
13/07/21 21:00	14/07/21 05:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in the incorrect direction.	Dampers corrected and CO returned to normal levels, caution noted in the Daily Guidlines on adjusting these dampers	250.58
14/07/21 05:00	14/07/21 17:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in the incorrect direction.	Dampers corrected and CO returned to normal levels, caution noted in the Daily Guidlines on adjusting these dampers	250.71
14/07/21 17:00	15/07/21 05:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in the incorrect direction.	Dampers corrected and CO returned to normal levels, caution noted in the Daily Guidlines on adjusting these dampers	238.95
15/07/21 05:00	15/07/21 17:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in the incorrect direction.	Dampers corrected and CO returned to normal levels, caution noted in the Daily Guidlines on adjusting these dampers	250.99
15/07/21 17:00	16/07/21 05:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in the incorrect direction.	Dampers corrected and CO returned to normal levels, caution noted in the Daily Guidlines on adjusting these dampers	250.81

16/07/21 05:00	16/07/21 17:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in	Dampers corrected and CO returned	250.90
				the incorrect direction.	to normal levels, caution noted in the	
					Daily Guidlines on adjusting these	
				· k	dampers	
16/07/21 17:00	17/07/21 05:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in	Dampers corrected and CO returned	250.07
				the incorrect direction.	to normal levels, caution noted in the	
					Daily Guidlines on adjusting these	
					dampers	
17/07/21 05:00	17/07/21 11:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in	Dampers corrected and CO returned	219.42
				the incorrect direction.	to normal levels, caution noted in the	
					Daily Guidlines on adjusting these	
					dampers	
17/07/21 12:00	17/07/21 17:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in	Dampers corrected and CO returned	248.50
				the incorrect direction.	to normal levels, caution noted in the	
					Daily Guidlines on adjusting these	
					dampers	
17/07/21 17:00	18/07/21 05:00	Power Boiler .	Normal (Steady State)	Secondary air dampers was found adjusted in	Dampers corrected and CO returned	250.81
				the incorrect direction.	to normal levels, caution noted in the	
		-			Daily Guidlines on adjusting these	
			-		dampers	
18/07/21 05:00	18/07/21 17:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in	Dampers corrected and CO returned	250.81
				the incorrect direction.	to normal levels, caution noted in the	
					Daily Guidlines on adjusting these	
					dampers	
18/07/21 17:00	19/07/21 05:00	Power Boiler	Normal (Steady State)	Secondary air dampers was found adjusted in	Dampers corrected and CO returned	250.45
				the incorrect direction.	to normal levels, caution noted in the	
				Daily Guidlines on adjusting these		
		9			dampers	
19/07/21 05:00	19/07/21 13:00	Power Boiler	Normal (Steady State)	Combustion from bad fuel.	Adjusted combustion system.	239.70
27/07/21 13:00	27/07/21 17:00	Power Boiler	Normal (Steady State)	Poor fuel quality, reclaimer down for	Reclaimer back in service and plant	191.21
				maintenance and fuel being fed by loader	stabilised	

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		
01/07/21 06:24	01/07/21 06:42	Recovery Boiler B ESP2	Normal (Steady State)	Precip 2 off line for repairs	We found one of the collecting plates in field 1 came out of its botton support and buckled the plate causing it to short out the field being too close to the next, this was corrected and the ESP restarted and the issue resolved.	63.69		
01/07/21 08:48	01/07/21 10:06	Recovery Boiler B ESP2	Normal (Steady State)	Precip 2 off line for repairs	We found one of the collecting plates in field 1 came out of its botton support and buckled the plate causing it to short out the field being too close to the next, this was corrected and the ESP restarted and the issue resolved.	32.42		
01/07/21 10:36	01/07/21 13:42	Recovery Boiler B ESP2	Normal (Steady State)	Precip 2 off line for repairs	We found one of the collecting plates in field 1 came out of its botton support and buckled the plate causing it to short out the field being too close to the next, this was corrected and the ESP restarted and the issue resolved.	55.04		

01/07/21 22:30	01/07/21 22:36	Recovery Boiler B ESP2	Normal (Steady State)	Precip 2 off line for repairs	We found one of the collecting plates	24.02
			,		in field 1 came out of its botton	
					support and buckled the plate causing	
					it to short out the field being too close	
	-2				to the next, this was corrected and	
					the ESP restarted and the issue	
					resolved.	
02/07/21 22:30	02/07/21 22:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.58
03/07/21 22:30	03/07/21 22:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.07
10/07/21 22:24	10/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.44
11/07/21 22:24	11/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.17
12/07/21 22:24	12/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.79
13/07/21 14:42	13/07/21 14:48	Recovery Boiler B	RB B Scheduled	RBB was stopped for maintenance on the	Plant restarted and stabilised after	22.59
			Start-up/Shut-down	dissolving tank and ESP2, Stopping and starting	maintenance tasks completed	
				caused the exceedance		
13/07/21 22:24	13/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.76
14/07/21 22:24	14/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.96
15/07/21 22:24	15/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.67
16/07/21 22:24	16/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.53
17/07/21 22:24	17/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.87
18/07/21 22:24	18/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.94
19/07/21 22:24	19/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Requird	26.45
20/07/21 22:24	20/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Requird	24.63
21/07/21 22:24	21/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Requird	24.19
22/07/21 22:24	22/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Requird	23.24
23/07/21 22:24	23/07/21 22:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Requird	23.77
28/07/21 22:18	28/07/21 22:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.63
29/07/21 22:18	29/07/21 22:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.92
30/07/21 22:18	30/07/21 22:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.15
31/07/21 22:00	31/07/21 22:42	Recovery Boiler B ESP2	Normal (Steady State)	ESP field 2 failed, tried a few things but	Reduced rates to minimise	29.20
		,		determined it is internal short.	exceedances	
31/07/21 23:12	31/07/21 23:24	Recovery Boiler B ESP2	Normal (Steady State)	ESP field 2 failed, tried a few things but	Reduced rates to minimise	21.21
				determined it is internal short.	exceedances	

Authorised By:

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