

## 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	Max Reading
06/08/23 14:54	06/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	20.96
07/08/23 14:54	07/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	20.71
08/08/23 14:54	08/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	20.94
09/08/23 14:54	09/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	21.70
10/08/23 14:54	10/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	21.37
11/08/23 14:54	11/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.09
12/08/23 14:48	12/08/23 15:00	Recovery Boiler A ESP2	Normal (Steady State)	ESP 2 Rotary feeder shearing pin snapped off causing the Precipitator to trip.	68.00
13/08/23 14:54	13/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.45
14/08/23 14:54	14/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.74
15/08/23 14:54	15/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.92
16/08/23 14:54	16/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	23.76
17/08/23 14:54	17/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	24.25
18/08/23 14:54	18/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	25.32
19/08/23 14:54	19/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	25.24
20/08/23 14:54	20/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	25.05
21/08/23 14:54	21/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	25.70
22/08/23 14:54	22/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	25.37

23/08/23 14:54	23/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	24.36
24/08/23 14:54	24/08/23 15:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	20.49
25/08/23 12:18	25/08/23 12:24	Instrument Error	Normal (Steady State)	Opacity measurement maintenance	21.44
30/08/23 14:48	30/08/23 14:54	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	20.84
31/08/23 14:48	31/08/23 14:54	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	20.91

## 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	Max Reading
09/08/23 10:00	09/08/23 11:00	Instrument Error	Normal (Steady State)	Group Instruments team onsite and doing Maintenance on Stack Equipment	303.11

## 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	Max Reading
09/08/23 13:00	09/08/23 14:00	Instrument Error	Normal (Steady State)	Group Instruments team onsite and doing Maintenance on Stack Equipment	181.76

Nitrogen Oxides (as NO2)		Period: 60 Minutes	Limit: 300.00 mg/Nm3		
Start Time	End Time	Cause	Operational State	Explanation	Max Reading
09/08/23 13:00	09/08/23 14:00	Instrument Error	Normal (Steady State)	Group Instruments team onsite and doing Maintenance on Stack Equipment	373.63

## Main Stack 2

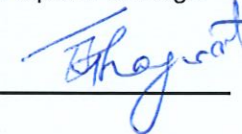
**Monitoring Location No:** 22  
**Monitoring Type:** Continuous  
**Sample Type:** Air  
**Description:** Exit point from Stack 2 to atmosphere

Hydrogen Chloride (HCl)		Period: 60 Minutes	Limit: 50.00 mg/Nm3		
Start Time	End Time	Cause	Operational State	Explanation	Max Reading
29/08/23 10:00	29/08/23 16:00	Instrument Error	Normal (Steady State)	Maintenance work on CEMS unit	127.17
31/08/23 11:00	31/08/23 12:00	Instrument Error	Normal (Steady State)	Ongoing work on CEMS system	53.69

Opacity		Period: 6 Minutes	Limit: 20.00 %		
Start Time	End Time	Cause	Operational State	Explanation	Max Reading
29/08/23 13:30	29/08/23 13:36	Instrument Error	Normal (Steady State)	Maintenance work on CEMS unit	24.41

Authorised By:

**Uday Bhagwat**  
 Pulp Mill Manager



**Johan Stoltz**  
 General Manager



