

## 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
07/04/22 00:48	07/04/22 00:54	Lime Kiln A	Lime Kiln A Un Scheduled Start-up/Shut-down	Hammer crusher tripped last night causing downtime	Equipment repaired, plant restarted and stabilized	33.44
07/04/22 13:00	07/04/22 13:06	Lime Kiln B	Lime Kiln B Scheduled Start-up/Shut-down	Kiln stopped to clean the ID Fan	Fan cleaned and plant restarted	23.34
12/04/22 23:42	12/04/22 23:54	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Power boiler 6th monthly shut down causing the exceedance	Boiler will be down for 36 hours and then restarted.	35.40
13/04/22 00:06	13/04/22 00:12	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Power boiler 6th monthly shut down causing the exceedance	Boiler will be down for 36 hours and then restarted.	25.69
13/04/22 05:12	13/04/22 05:24	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Starting up Power boiler	ESP put online after gas went in.	29.75
17/04/22 08:06	17/04/22 08:18	Lime Kiln B ESP	Lime Kiln B Un Scheduled Start-up/Shut-down	ESP Tripped twice due to high CO	Equipment restarted and stabilized	38.51
20/04/22 03:12	20/04/22 03:42	Recovery Boiler A ESP1/ESP2	Normal (Steady State)	Boiler tripped causing both ESP's to stop and operations neglected to restart the units again until later.	Operations will be reminded of the importance to restart these units after any trip after gas firing has been established.	47.81
20/04/22 22:30	20/04/22 22:48	Lime Kiln B ESP	Normal (Steady State)	Kiln experienced some issues with lime flow measurement and this caused the Kiln to become unstable and tripped the ESP with high CO	Flow instrument repaired and plant stabilized.	66.06

24/04/22 15:18	24/04/22 15:30	Lime Kiln A	Lime Kiln A Un Scheduled Start-up/Shut-down	Feed screw tripped causing the Kiln to trip and following Opacity exceedance	Plant Restarted and stabilized	46.08
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Sulphur Dioxide (SO2) Period: 60 Minutes Limit: 250.00 mg/Nm3						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
20/04/22 07:00	20/04/22 12:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Gases diverted to Power boiler due to Mill upset - Digester - low liquor firing	Liquor firing increased after digester sped up and gases diverted back to RBA	465.97

## 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
12/04/22 23:00	13/04/22 01:00	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Power boiler 6th monthly shut down causing the exceedance	Boiler will be down for 36 hours and then restarted.	168.04
14/04/22 06:00	14/04/22 12:00	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Power Boiler start up	Boiler online and being stabilized	250.81

## 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		
01/04/22 09:12	01/04/22 09:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.56		
02/04/22 09:12	02/04/22 09:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.81		
03/04/22 08:12	03/04/22 08:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.72		
04/04/22 08:12	04/04/22 08:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.73		
05/04/22 10:00	05/04/22 10:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.90		
09/04/22 08:06	09/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.97		
10/04/22 08:06	10/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.05		
11/04/22 08:06	11/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.91		
12/04/22 08:06	12/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.19		
12/04/22 08:24	12/04/22 08:30	Recovery Boiler B ESP2	RB B Scheduled Start-up/Shut-down	Planned shut on RBB precipitator 2 for maintenance	Plant restarted and stabilized.	30.61		
12/04/22 09:30	12/04/22 09:36	Recovery Boiler B ESP2	RB B Scheduled Start-up/Shut-down	Planned shut on RBB precipitator 2 for maintenance	Plant restarted and stabilized.	27.35		
13/04/22 08:06	13/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.41		
14/04/22 08:06	14/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.36		
15/04/22 08:06	15/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.57		
16/04/22 08:06	16/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.73		
17/04/22 08:06	17/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.20		
18/04/22 08:06	18/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.58		
19/04/22 08:06	19/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None required	25.31		
20/04/22 08:06	20/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrate	None Required	22.71		
21/04/22 08:06	21/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None required	24.93		
22/04/22 08:06	22/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.53		
23/04/22 08:06	23/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.05		
24/04/22 08:06	24/04/22 08:12	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.90		
29/04/22 08:00	29/04/22 08:06	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	21.61		
30/04/22 08:00	30/04/22 08:06	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	N/A	20.93		

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