

## 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
10/02/21 14:00	10/02/21 14:18	Lime Kiln B ESP	Lime Kiln B Un Scheduled Start-up/Shut-down	Kiln tripped on CO after working on CPR nozzles.	Investigation.	65.03
18/02/21 13:30	18/02/21 13:42	Recovery Boiler A ESP1	Normal (Steady State)	TR Set 1 on Precipitator 1 tripped.	Unit reset and restarted.	34.59

Sulphur Dioxide (SO2)		Period: 60 Minutes	Limit: 250.00 mg/Nm3			
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
02/02/21 08:00	02/02/21 09:00	Recovery Boiler A	Burning NCG/Stripper Gases in Power Boiler	Diverted NCG to the Power Boiler to steam out line for flame arrester cleaning.	clean line and return gas to RBA	263.70
19/02/21 10:00	19/02/21 11:00	Recovery Boiler A	Normal (Steady State)	Diverted the SOG / NCG gases to the Power Boiler taking NCG out of RBA to HP clean the flame arrester which was blocking up.	Flame arrester was badly plugged - HP cleaned flame arrester, fitted back into system and gases diverted back to the Recovery Boiler	272.27

**Main Stack 2**

Monitoring Location No: 22

Monitoring Type: Continuous

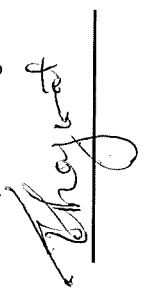
Sample Type: Air

Description: Exit point from Stack 2 to atmosphere

Opacity						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
Period: 6 Minutes Limit: 20.00 %						
01/02/21 09:42	01/02/21 09:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.95
01/02/21 16:30	01/02/21 16:36	Recovery Boiler B ESP1/ESP2	Normal (Steady State)	We lost both Precipitators	Reset and Started both precipitators again, ongoing monitoring	21.57
02/02/21 09:42	02/02/21 09:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.16
03/02/21 09:42	03/02/21 09:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.97
04/02/21 09:42	04/02/21 09:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.52
05/02/21 09:42	05/02/21 09:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.65
06/02/21 00:54	06/02/21 01:00	Recovery Boiler B ESP2	RB B Un Scheduled Start-up/Shut-down	Precipitator 2 tripped and then SIR 2/3 tripped 4/5 times after initial trip	Reset SIR units, Electrical department notified and will investigate the cause, after the 06:06am trip we experienced no further trips.	72.80
06/02/21 01:48	06/02/21 02:00	Recovery Boiler B ESP2	RB B Un Scheduled Start-up/Shut-down	Precipitator 2 tripped and then SIR 2/3 tripped 4/5 times after initial trip	Reset SIR units, Electrical department notified and will investigate the cause, after the 06:06am trip we experienced no further trips.	35.59
06/02/21 04:06	06/02/21 04:18	Recovery Boiler B ESP2	RB B Un Scheduled Start-up/Shut-down	Precipitator 2 tripped and then SIR 2/3 tripped 4/5 times after initial trip	Reset SIR units, Electrical department notified and will investigate the cause, after the 06:06am trip we experienced no further trips.	29.60
06/02/21 04:48	06/02/21 04:54	Recovery Boiler B ESP2	RB B Un Scheduled Start-up/Shut-down	Precipitator 2 tripped and then SIR 2/3 tripped 4/5 times after initial trip	Reset SIR units, Electrical department notified and will investigate the cause, after the 06:06am trip we experienced no further trips.	20.03
06/02/21 05:00	06/02/21 05:06	Recovery Boiler B ESP2	RB B Un Scheduled Start-up/Shut-down	Precipitator 2 tripped and then SIR 2/3 tripped 4/5 times after initial trip	Reset SIR units, Electrical department notified and will investigate the cause, after the 06:06am trip we experienced no further trips.	25.12

06/02/21 06:06	06/02/21 06:12	Recovery Boiler B ESP2	RB B Un Scheduled Start-up/Shut-down	Precipitator 2 tripped and then SIR 2/3 tripped 4/5 times after initial trip	Reset SIR units, Electrical department notified and will investigate the cause, after the 06:06am trip we experienced no further trips.	22.15
06/02/21 09:42	06/02/21 09:48	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	None Required	21.88
11/02/21 09:36	11/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.99
12/02/21 09:36	12/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.34
13/02/21 09:36	13/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.63
14/02/21 09:36	14/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.41
15/02/21 09:36	15/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.85
16/02/21 09:36	16/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.07
17/02/21 09:36	17/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.93
18/02/21 09:36	18/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.71
19/02/21 09:36	19/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.36
20/02/21 09:36	20/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.11
21/02/21 09:36	21/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.87
22/02/21 09:36	22/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.00
23/02/21 09:36	23/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.50
24/02/21 09:36	24/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.94
25/02/21 09:36	25/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.95
26/02/21 09:36	26/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.87
27/02/21 09:36	27/02/21 09:42	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.57

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Authorised By:

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