

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
01/09/22 10:42	01/09/22 10:54	Lime Kiln B	Lime Kiln B Scheduled Start-up/Shut-down	Kiln B stopped for maintenance causing exceedance	Plant restarted and stabilized	31.24
01/09/22 13:06	01/09/22 13:12	Lime Kiln B	Lime Kiln A Un Scheduled Start-up/Shut-down	Digester stopped due to a blocked top separator causing the Kiln to be shut.	Plant was down for a few hours and then restarted and stabilized.	32.37
16/09/22 16:54	16/09/22 17:00	Lime Kiln B	Lime Kiln B Un Scheduled Start-up/Shut-down	Starting up after Digester upset causing plant to stop.	Plant restarted and stabilized	27.30
18/09/22 11:48	18/09/22 11:54	Lime Kiln B	Normal (Steady State)	Plants stopped due to digester upset, and was started causing the exceedance.	Plant started again and stabilized.	24.88
27/09/22 09:00	27/09/22 09:12	Lime Kiln B	Normal (Steady State)	Kiln reduced to blow out the ID Fan, causing the exceedance	Plant returned to normal conditions and stabilized.	38.68
28/09/22 15:30	28/09/22 15:36	Lime Kiln A ESP	Normal (Steady State)	Kiln ESP tripped due to high CO Spike	Equipment restarted and plant stabilized.	20.54
29/09/22 06:54	29/09/22 07:00	Lime Kiln A	Lime Kiln A Un Scheduled Start-up/Shut-down	Kiln tripped due to high CO	Plant restarted, adjusted and stabilized	34.06

Sulphur Dioxide (SO2)						
Period: 60 Minutes		Limit: 250.00 mg/Nm3				
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading

01/09/22 08:00	01/09/22 11:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Cut liquor on RBA to do inspection of flue gas path.	Boiler fired up again and gases diverted back from Power Boiler to Recovery boiler	376.46
02/09/22 04:00	02/09/22 05:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Upset with Digester top separator blockage causing liquor firing to stop in RBA and gasses diverted to Power Boiler.	Plant settled and all issues resolved, liquor firing resumed and gasses returned to Recovery boiler.	264.33
02/09/22 05:00	02/09/22 09:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Upset with Digester top separator blockage causing liquor firing to stop in RBA and gasses diverted to Power Boiler.	Plant settled and all issues resolved, liquor firing resumed and gasses returned to Recovery boiler.	390.12
08/09/22 09:00	08/09/22 10:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Gasses diverted to power boiler to replace burner tip.	Burner returned to service and gasses diverted back to the Recovery boiler.	299.50
16/09/22 11:00	16/09/22 15:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Digester upset with top separator, reducing Recovery boiler A and diverting gasses to Power boiler	Recovery back to full firing and gasses back to RBA	364.03
18/09/22 07:00	18/09/22 12:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Recovery boiler A still on low firing due to Digester upset and gasses diverted to PB.	Recovery boiler on full load and gasses diverted back.	329.39
24/09/22 13:00	24/09/22 16:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Upsets in the mill required liquor reduction on the Recovery boilers, NCG gasses diverted to Power boiler during this time.	Issues resolved and gasses diverted back to the Recovery boiler A.	332.95
24/09/22 17:00	24/09/22 22:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Upsets in the mill required liquor reduction on the Recovery boilers, NCG gasses diverted to Power boiler during this time.	Issues resolved and gasses diverted back to the Recovery boiler A.	384.16

Main Stack 2

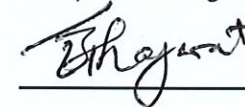
Monitoring Location No: 22
Monitoring Type: Continuous
Sample Type: Air
Description: Exit point from Stack 2 to atmosphere

Opacity						
Period: 6 Minutes		Limit: 20.00 %				
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
01/09/22 07:24	01/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	20.81

02/09/22 07:24	02/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	21.41
03/09/22 07:24	03/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	21.53
04/09/22 07:24	04/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	23.33
05/09/22 07:24	05/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.78
06/09/22 07:24	06/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.99
07/09/22 07:24	07/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibrations	None Required	26.33
08/09/22 07:24	08/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.20
09/09/22 07:24	09/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.74
09/09/22 17:00	09/09/22 17:12	Recovery Boiler B ESP2	Normal (Steady State)	SIR set on Field 1 tripped out causing the exceedance.	SIR Unit restarted and opacity brought back in spec.	28.17
10/09/22 07:24	10/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	27.44
11/09/22 07:24	11/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	28.03
12/09/22 07:24	12/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	28.35
13/09/22 07:24	13/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	24.40
14/09/22 07:24	14/09/22 07:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	21.23
18/09/22 07:18	18/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.38
19/09/22 07:18	19/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.05
20/09/22 07:18	20/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.10
21/09/22 07:18	21/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.26
22/09/22 07:18	22/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.81
23/09/22 07:18	23/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.85
24/09/22 07:18	24/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	23.87
25/09/22 07:18	25/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	23.67
26/09/22 07:18	26/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.97
27/09/22 07:18	27/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	25.16
28/09/22 07:18	28/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	24.35
29/09/22 07:18	29/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	25.00
30/09/22 07:18	30/09/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	24.26

Authorised By:

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