

Main Stack 1

Monitoring Location No: 1
 Monitoring Type: Continuous
 Sample Type: Air
 Description: Exit point from Stack 1 to atmosphere

Hydrogen Chloride (HCl) Period: 60 Minutes Limit: 50.00 mg/Nm3						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
19/10/22 08:00	19/10/22 15:00	Recovery Boiler A	RB A Scheduled Start-up/Shut-down	Plant starting up after MSD	N/A	121.73

Opacity Period: 6 Minutes Limit: 20.00 %						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
01/10/22 02:48	01/10/22 02:54	Lime Kiln A ESP	Normal (Steady State)	ESP Tripped due to low O2, causing high CO spike taking out the Precipitator.	Plant adjusted and equipment restarted.	41.54
25/10/22 12:18	25/10/22 12:24	Lime Kiln A ESP	Lime Kiln A Un Scheduled Start-up/Shut-down	Kiln A ESP tripped due to a high CO spike.	Plant stabilized and ESP restarted	29.22
29/10/22 19:24	29/10/22 19:42	Lime Kiln B ESP	Normal (Steady State)	While cleaning Teflon chute and Lime mud disc filter the process had a high CO spike causing the ESP to trip	Equipment restarted and plant stabilized.	46.29

Sulphur Dioxide (SO2) Period: 60 Minutes Limit: 250.00 mg/Nm3						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
07/10/22 08:00	07/10/22 10:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Load reduced due to Digester issues, gasses diverted to Power Boiler	Recovery boiler load increased and gasses diverted back to RBB	278.72

07/10/22 12:00	07/10/22 13:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Load reduced due to Digester issues, gasses diverted to Power Boiler	Recovery boiler load increased and gasses diverted back to RBB	306.90
07/10/22 16:00	07/10/22 17:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Load reduced due to Digester issues, gasses diverted to Power Boiler	Recovery boiler load increased and gasses diverted back to RBB	314.40
07/10/22 17:00	07/10/22 18:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Load reduced due to Digester issues, gasses diverted to Power Boiler	Recovery boiler load increased and gasses diverted back to RBB	353.71
25/10/22 17:00	25/10/22 21:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	Gasses diverted to power boiler due to low liquor firing	Liquor firing increased as inventory improved	266.92
31/10/22 06:00	31/10/22 08:00	Power Boiler	Burning NCG/Stripper Gases in Power Boiler	PSD on MEE and NCG gasses sent to Power boiler	Plant restarted and gasses diverted back to RBA	409.07

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
31/10/22 17:00	31/10/22 18:00	Power Boiler	Power Boiler Un Scheduled Start-up/Shut-down	We lost the fire in the boiler due to wet fuel and the sand bed collapsed.	Got the sand bed fluidized again and started heating the bed and firing of solid fuel followed	145.35

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	Corrective Action	Max Reading
23/10/22 01:00	23/10/22 03:00	Recovery Boiler B	RB B Scheduled Start-up/Shut-down	Plant starting up after MSD	N/A	54.96

Opacity Period: 6 Minutes Limit: 20.00 %						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
01/10/22 07:18	01/10/22 07:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	na	25.55
02/10/22 08:18	02/10/22 08:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	na	27.98
03/10/22 08:18	03/10/22 08:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	na	25.25
04/10/22 08:18	04/10/22 08:24	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	na	22.48
10/10/22 08:12	10/10/22 08:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	21.14
11/10/22 08:12	11/10/22 08:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	21.52
12/10/22 08:12	12/10/22 08:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	23.10
13/10/22 08:12	13/10/22 08:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.11
21/10/22 16:12	21/10/22 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	20.43
22/10/22 16:12	22/10/22 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	21.30
23/10/22 16:12	23/10/22 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.25
24/10/22 16:12	24/10/22 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.36
25/10/22 16:12	25/10/22 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	23.28
26/10/22 16:12	26/10/22 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.24
27/10/22 16:12	27/10/22 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	20.72
28/10/22 16:12	28/10/22 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	23.76
29/10/22 16:12	29/10/22 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	23.23
30/10/22 16:12	30/10/22 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.84
31/10/22 15:00	31/10/22 15:06	Recovery Boiler B ESP1	Normal (Steady State)	Increasing the liquor firing after the PSD caused the opacity to spike	Plant stabilized with ongoing monitoring	38.66
31/10/22 16:12	31/10/22 16:18	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.90

Authorised By:

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