

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
04/03/21 12:54	04/03/21 13:06	Lime Kiln A ESP	Normal (Steady State)	ESP Tripped due to a high CO spike	Process corrected and stabilized	51.81
04/03/21 17:00	04/03/21 17:06	Lime Kiln A	Lime Kiln A Un Scheduled Start-up/Shut-down	Kiln down for ring shooting, ring build-up causes issues with process	Ring shot out and kiln restarted and stabilised	21.41
08/03/21 11:36	08/03/21 11:48	Lime Kiln B ESP	Normal (Steady State)	Kiln B ESP tripped due to high CO	Plant restarted and stabilized	30.20
08/03/21 13:30	08/03/21 13:36	Lime Kiln A	Lime Kiln A Un Scheduled Start-up/Shut-down	Kiln shut down for ring inspection	Ring formation shot out and plant restarted and stabilized	20.24
09/03/21 17:36	09/03/21 17:48	Lime Kiln B	Lime Kiln B Scheduled Start-up/Shut-down	Kiln shut down for maintenance	Plant restarted and stabilized	45.02
10/03/21 22:00	10/03/21 22:42	Recovery Boiler A	RB A Un Scheduled Start-up/Shut-down	Recovery boiler A tripped due to a communications card failure on the HBL fuel pump	Card replaced and plant restarted.	60.88
12/03/21 19:36	12/03/21 19:42	Lime Kiln B	Normal (Steady State)	Exceedance on Lime kiln B	No Reason noted in logbook, ESP was off.	29.70
23/03/21 21:30	23/03/21 21:42	Lime Kiln B ESP	Normal (Steady State)	O2 Probe faulty causing ID fan to react to incorrect value and upsetting the process causing high CO Spikes.	Investigation underway and possible replacement of probe	52.96
24/03/21 00:00	24/03/21 00:12	Lime Kiln B ESP	Normal (Steady State)	O2 Probe faulty causing ID fan to react to incorrect value and upsetting the process causing high CO Spikes.	Investigation underway and possible replacement of probe	41.52
24/03/21 04:42	24/03/21 04:54	Lime Kiln B ESP	Normal (Steady State)	O2 Probe faulty causing ID fan to react to incorrect value and upsetting the process causing high CO Spikes.	Investigation underway and possible replacement of probe	39.16

26/03/21 10:48	26/03/21 11:00	Lime Kiln A	Lime Kiln A Un Scheduled Start-up/Shut-down	ID fan running with high vibrations	Kiln off line to wash ID fan impeller, Kiln restarted.	37.39
29/03/21 03:12	29/03/21 03:18	Power Boiler	Power Boiler Scheduled Start-up/Shut-down	Power boiler rundown and shut	Planned 6th monthly shut down.	21.98
30/03/21 11:48	30/03/21 11:54	Power Boiler EP	Power Boiler Scheduled Start-up/Shut-down	Starting power boiler after PSD	ring unit on line and stabilize	21.67
31/03/21 01:24	31/03/21 01:36	Lime Kiln B ESP	Normal (Steady State)	Kiln ESP tripped while bringing K360 on, causing high CO spike	Plant restarted and stabilized	39.01

Sulphur Dioxide (SO2) Period: 60 Minutes Limit: 250.00 mg/Nm3						
Start Time	End Time	Cause	Operational State	Explanation	Corrective Action	Max Reading
14/03/21 09:00	14/03/21 10:00	Recovery Boiler A	Burning NCG/Stripper Gases in Power Boiler	Burner 3 igniter failed and was replaced	Igniter replaced and burner back in service - gasses diverted to RBA again.	250.18
14/03/21 15:00	14/03/21 16:00	Recovery Boiler A	Burning NCG/Stripper Gases in Power Boiler	Burner 3 igniter failed and was replaced	Igniter replaced and burner back in service - gasses diverted to RBA again.	256.52

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
26/03/21 06:00	26/03/21 08:00	Power Boiler	Normal (Steady State)	We experienced some operational issues with set up and poor fuel.	Fuel quality improved as was the combustion process and set up. - monitoring	180.62
26/03/21 11:00	26/03/21 12:00	Power Boiler	Normal (Steady State)	We experienced some operational issues with set up and poor fuel.	Fuel quality improved as was the combustion process and set up. - monitoring	166.25
27/03/21 11:00	27/03/21 17:00	Power Boiler	Normal (Steady State)	We experienced some operational issues with set up and poor fuel.	Fuel quality improved as was the combustion process and set up. - monitoring	250.11

27/03/21 17:00	28/03/21 05:00	Power Boiler	Normal (Steady State)	We experienced some operational issues with set up and poor fuel.	Fuel quality improved as was the combustion process and set up. - monitoring	250.81
28/03/21 05:00	28/03/21 06:00	Power Boiler	Normal (Steady State)	We experienced some operational issues with set up and poor fuel.	Fuel quality improved as was the combustion process and set up. - monitoring	157.99
30/03/21 10:00	30/03/21 14:00	Power Boiler	Normal (Steady State)	We experienced some operational issues with set up and poor fuel.	Fuel quality improved as was the combustion process and set up. - monitoring	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
03/03/21 09:30	03/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.14
04/03/21 09:30	04/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.10
05/03/21 09:30	05/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.98
06/03/21 09:30	06/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.09
07/03/21 09:30	07/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.90
08/03/21 09:30	08/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.29
09/03/21 09:30	09/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.46
10/03/21 09:30	10/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.20
11/03/21 09:30	11/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.17
12/03/21 09:30	12/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.51
13/03/21 09:30	13/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.79
14/03/21 09:30	14/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.56
15/03/21 09:30	15/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.78
16/03/21 09:30	16/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.49
17/03/21 09:30	17/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.78
18/03/21 09:30	18/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	26.93

19/03/21 09:30	19/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.99
23/03/21 09:30	23/03/21 09:36	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.38
24/03/21 09:24	24/03/21 09:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.61
25/03/21 09:24	25/03/21 09:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	20.91
27/03/21 09:24	27/03/21 09:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	22.80
28/03/21 09:24	28/03/21 09:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	21.04
29/03/21 09:24	29/03/21 09:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	24.70
30/03/21 09:24	30/03/21 09:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	25.39
31/03/21 09:24	31/03/21 09:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	None Required	23.83

Authorised By:

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