

## 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
03/11/24 11:18	03/11/24 11:24	Lime Kiln B ESP	Equipment Issue/Failure	High CO Spike causing ESP to trip	Plant stabilized and equipment restarted.	34.77
03/11/24 19:30	03/11/24 19:36	Lime Kiln B ESP	Equipment Issue/Failure	High CO Spike causing ESP to trip	Plant stabilized and equipment restarted.	44.79
03/11/24 23:30	03/11/24 23:36	Lime Kiln B ESP	Equipment Issue/Failure	High CO Spike causing ESP to trip	Plant stabilized and equipment restarted.	49.67
05/11/24 06:18	05/11/24 06:24	Lime Kiln B	Equipment Issue/Failure	Kiln B tripped due to a high CO Spike	Plant restarted and stabilized after shooting a large ring formation in the Kiln	58.70
06/11/24 18:48	06/11/24 18:54	Lime Kiln B	Equipment Issue/Failure	Kiln B tripped due to large rocks at the burner taking out the flame.	Rocks removed and Kiln restarted and stabilized	21.74
08/11/24 11:24	08/11/24 11:36	Lime Kiln B	Equipment Issue/Failure	Kiln tripped due to gas generator tripping.	Fault finding and adjustments made, plant restarted and stabilized.	23.11
10/11/24 14:12	10/11/24 14:18	Lime Kiln B	Equipment Issue/Failure	Kiln tripped due to lots of rubble in burner area.	Kiln burner end cleared and plant restarted.	50.08
10/11/24 17:36	10/11/24 17:48	Lime Kiln B ESP	Equipment Issue/Failure	ESP tripped due to high CO	Plant stabilized and ESP restarted.	47.03
11/11/24 07:36	11/11/24 07:48	Lime Kiln B ESP	Equipment Issue/Failure	Kiln B ESP tripped due to a high CO spike.	Plant stabilized and ESP restarted.	37.76
13/11/24 07:48	13/11/24 07:54	Lime Kiln B ESP	Equipment Issue/Failure	Kiln ESP tripped due to high CO spike	Plant stabilized and ESP restarted.	44.17
13/11/24 13:18	13/11/24 13:30	Lime Kiln B ESP	Equipment Issue/Failure	Kiln ESP tripped due to high CO spike	Plant stabilized and ESP restarted.	32.92

15/11/24 02:00	15/11/24 02:06	Lime Kiln B	Equipment Issue/Failure	Kiln B feed screw motor burnt out, shutting the Kiln.	Motor replaced and plant restarted.	28.32
19/11/24 11:12	19/11/24 11:24	Lime Kiln B ESP	Equipment Issue/Failure	Kiln ESP tripped due to a high CO spike	Plant stabilized and ESP restarted	37.37

## 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
01/11/24 10:48	01/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	n/a	23.05
02/11/24 10:48	02/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	n/a	26.13
03/11/24 10:48	03/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto calibration	n/a	24.38
04/11/24 10:48	04/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	24.90
05/11/24 10:48	05/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	24.83
06/11/24 10:48	06/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	26.46
07/11/24 10:48	07/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	27.73
08/11/24 10:48	08/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	27.80
09/11/24 10:48	09/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	30.53
10/11/24 10:48	10/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	29.02
11/11/24 10:48	11/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	22.74
12/11/24 10:48	12/11/24 10:54	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	n/a	23.66
15/11/24 10:42	15/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	20.57
16/11/24 10:42	16/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	22.29
17/11/24 08:00	17/11/24 08:06	Recovery Boiler B	Equipment Issue/Failure	Not a true exceedance, experienced a heavy downpour that affected the opacity transmitter output signal.	Returned to normal after rain event. Investigate why rain affects the reading.	21.10
17/11/24 10:42	17/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	21.07



17/11/24 12:30	17/11/24 12:36	Recovery Boiler B	Equipment Issue/Failure	Not a true exceedance, experienced a heavy downpour that affected the opacity transmitter output signal.	Returned to normal after rain event. Investigate why rain affects the reading.	21.79
17/11/24 14:06	17/11/24 15:24	Recovery Boiler B	Equipment Issue/Failure	Not a true exceedance, experienced a heavy downpour that affected the opacity transmitter output signal.	Returned to normal after rain event. Investigate why rain affects the reading.	27.55
17/11/24 16:48	17/11/24 16:54	Recovery Boiler B	Equipment Issue/Failure	Not a true exceedance, experienced a heavy downpour that affected the opacity transmitter output signal.	Returned to normal after rain event. Investigate why rain affects the reading.	20.56
18/11/24 10:42	18/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	22.02
19/11/24 10:42	19/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	20.97
20/11/24 10:42	20/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	22.14
21/11/24 10:42	21/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	21.21
22/11/24 10:42	22/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	21.82
23/11/24 10:42	23/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	21.25
24/11/24 10:42	24/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	22.72
25/11/24 10:42	25/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	24.10
26/11/24 10:42	26/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	23.51
27/11/24 10:42	27/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	23.63
28/11/24 10:42	28/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	22.79
29/11/24 10:42	29/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	23.63
30/11/24 10:24	30/11/24 10:30	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	56.91
30/11/24 10:42	30/11/24 10:48	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	N/A	29.42

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