

Main Stack 1

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

Nitrogen Oxides (as NO2) Period: 60 Minutes Limit: 400.00 mg/Nm3					
Start Time	End Time	Cause	Operational State	Explanation	Max Reading
11/12/22 19:00	12/12/22 05:00	Instrument Error	Normal (Steady State)	We found the air flow measurement playing up. Found the motor dead and not running.	656.12
12/12/22 05:00	12/12/22 07:00	Instrument Error	Normal (Steady State)	We found the air flow measurement playing up. Found the motor dead and not running.	660.01

Opacity Period: 6 Minutes Limit: 20.00 %					
Start Time	End Time	Cause	Operational State	Explanation	Max Reading
01/12/22 17:00	01/12/22 17:06	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	21.28
08/12/22 16:54	08/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	20.52
09/12/22 16:54	09/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	20.79
10/12/22 16:54	10/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	21.02
11/12/22 16:54	11/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	21.20
12/12/22 16:54	12/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	21.49
13/12/22 16:54	13/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.30
14/12/22 16:54	14/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	21.94
15/12/22 16:54	15/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.41

15/12/22 17:36	15/12/22 17:42	Instrument Error	Normal (Steady State)	The OP2 card was playing up and had to be replaced. This card converts the signal from the instrument to a hardwire signal that is used for protection of the ESPs. E&I replaced the CEMS OP2 card.	34.63
16/12/22 16:54	16/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.16
17/12/22 16:54	17/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.70
18/12/22 16:54	18/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.68
19/12/22 16:54	19/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	23.70
20/12/22 16:54	20/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	23.50
21/12/22 16:54	21/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	24.17
22/12/22 16:54	22/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.48
23/12/22 16:54	23/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	24.56
24/12/22 16:54	24/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.96
25/12/22 16:54	25/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	22.16
26/12/22 16:54	26/12/22 17:00	Auto Zero Span Verification	Normal (Steady State)	Auto Calibration	20.24
28/12/22 13:48	28/12/22 14:00	Instrument Error	Normal (Steady State)	Working on CEMS stack A to investigate the difference in flue gas temperature (actual vs measured in analyser)	26.25

Sulphur Dioxide (SO2)					
Period: 60 Minutes		Limit: 250.00 mg/Nm3			
Start Time	End Time	Cause	Operational State	Explanation	Max Reading
11/12/22 07:00	11/12/22 13:00	Instrument Error	Normal (Steady State)	We found the air flow measurement playing up. Found the motor dead and not running.	364.45
13/12/22 07:00	13/12/22 10:00	Instrument Error	Normal (Steady State)	We found the air flow measurement playing up. Found the motor dead and not running.	482.60
13/12/22 11:00	13/12/22 14:00	Instrument Error	Normal (Steady State)	We found the air flow measurement playing up. Found the motor dead and not running.	485.37

TRS (as H2S)					
Period: 60 Minutes		Limit: 3.60 mg/Nm3			
Start Time	End Time	Cause	Operational State	Explanation	Max Reading
23/12/22 06:00	23/12/22 07:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.60
23/12/22 13:00	23/12/22 14:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.69
24/12/22 13:00	24/12/22 16:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.65
24/12/22 18:00	24/12/22 20:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.66
24/12/22 22:00	24/12/22 23:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.61
25/12/22 02:00	25/12/22 03:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.63

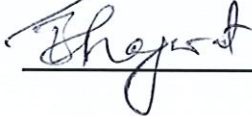
25/12/22 04:00	25/12/22 05:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.61
25/12/22 05:00	25/12/22 10:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.69
25/12/22 17:00	25/12/22 20:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.65
25/12/22 21:00	25/12/22 23:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.65
26/12/22 01:00	26/12/22 02:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.63
26/12/22 06:00	26/12/22 08:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	3.63
29/12/22 13:00	29/12/22 14:00	Instrument Error	Normal (Steady State)	The TRS signal was not matching with DCS.	5.96

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	Max Reading		
29/12/22 20:12	29/12/22 20:30	Instrument Error	Normal (Steady State)	During rain the sensor on the main stack goes high - reason not known. Bot ESPs still showed good, proving the stack reading is false.	21.70		

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