



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2026-01-27

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
0.134 to 9.910	2943 NE	3277 N	2996 SW	2997 NNW	Min : 25.88 Max : 62.96	Min : 18.40 Max : 71.30	Min : 30.30 Max : 30.61

Table 2 : Monitoring Summary

Site Action Level :	PM10 : 150 µg/m³		PM2.5 : 35 µg/m³		H2S : 10 PPM	
AQ-SN	Avg. PM10 Daily (µg/m³)	Max. PM10-15-min Avg (µg/m³)	Avg. PM2.5 Daily (µg/m³)	Max. PM2.5-15-min Avg (µg/m³)	Avg. H2S Daily (PPM)	Max. H2S-15-min Avg (PPM)
2943	9.9	92.6	4.4	15.5	0.013	0.042
2996	8.9	71.1	5.1	28.0	0.002	0.023
2997	22.4	284.7	16.1	201.4	0.010	0.039
3277	6.7	27.0	5.2	23.2	0.003	0.012

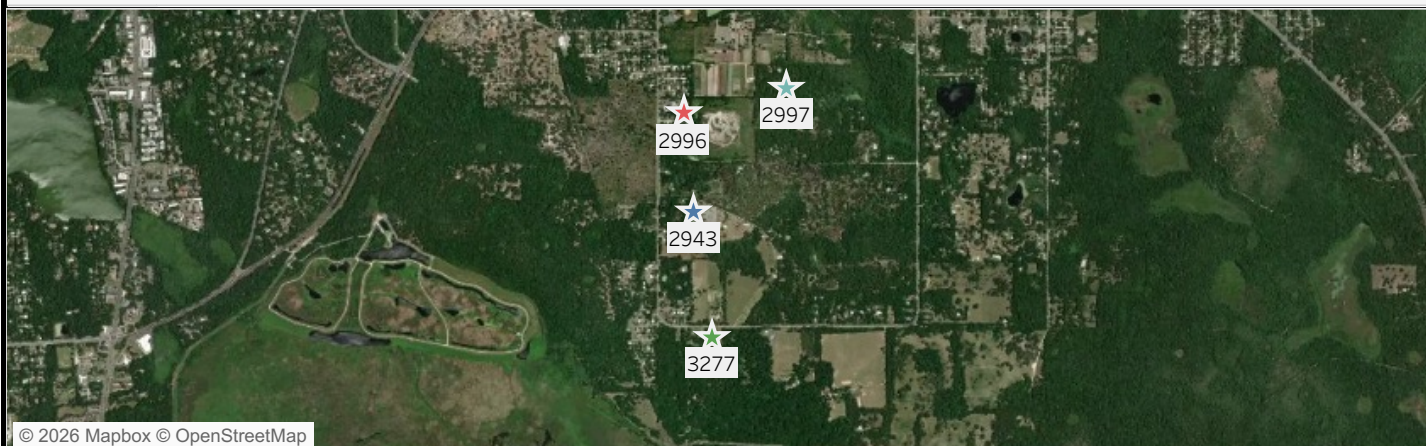
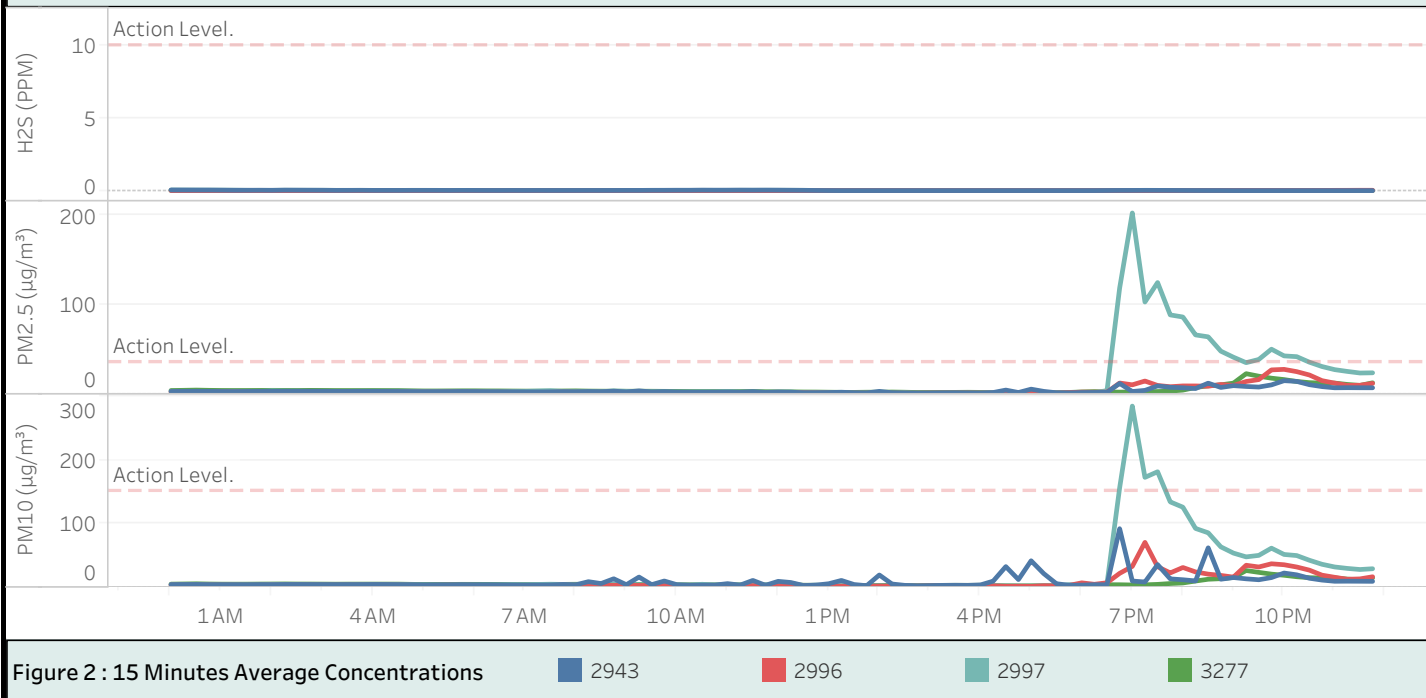


Figure 1 : Monitoring Locations





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Wind Rose Chart 2943

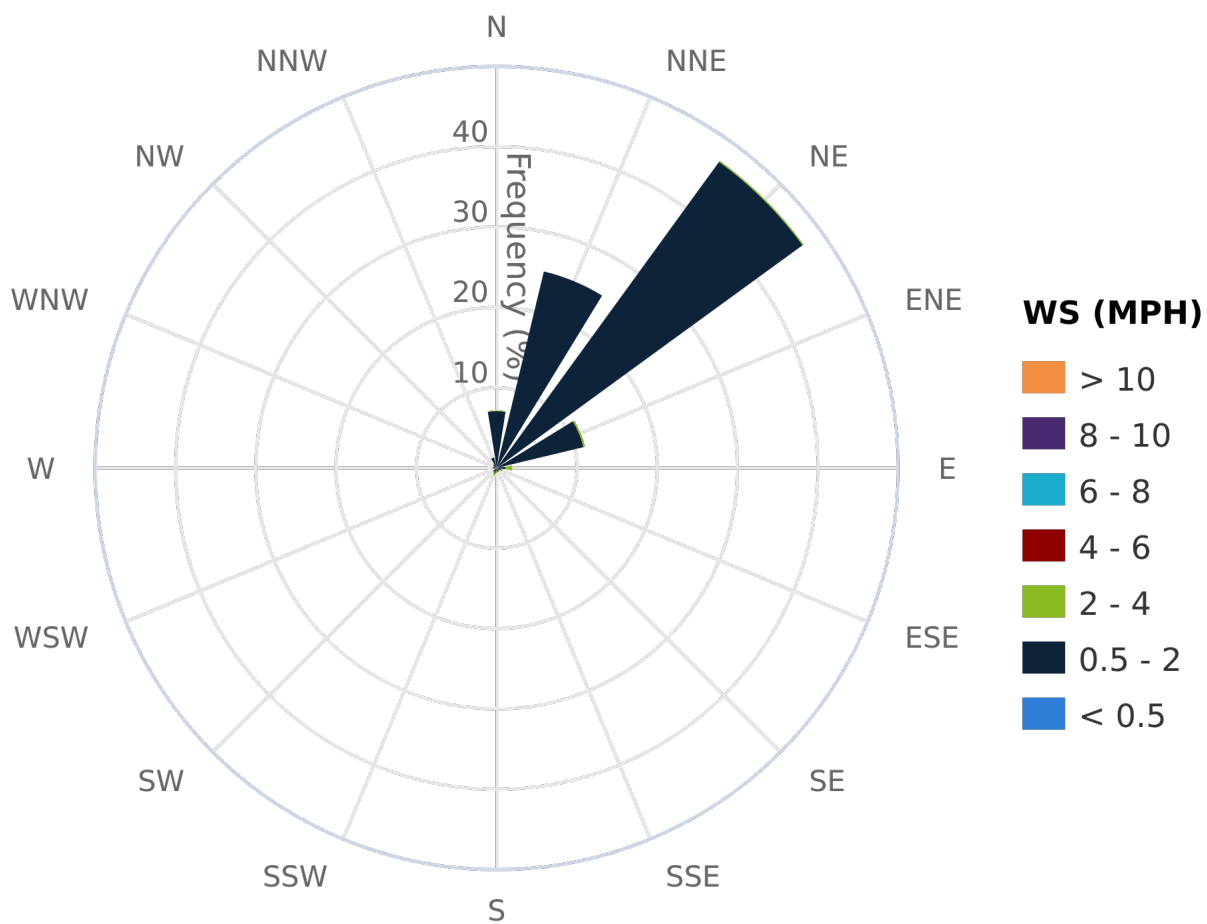


Figure 3 : Wind Rose Chart (WS in MPH)

Wind Rose Chart 3277

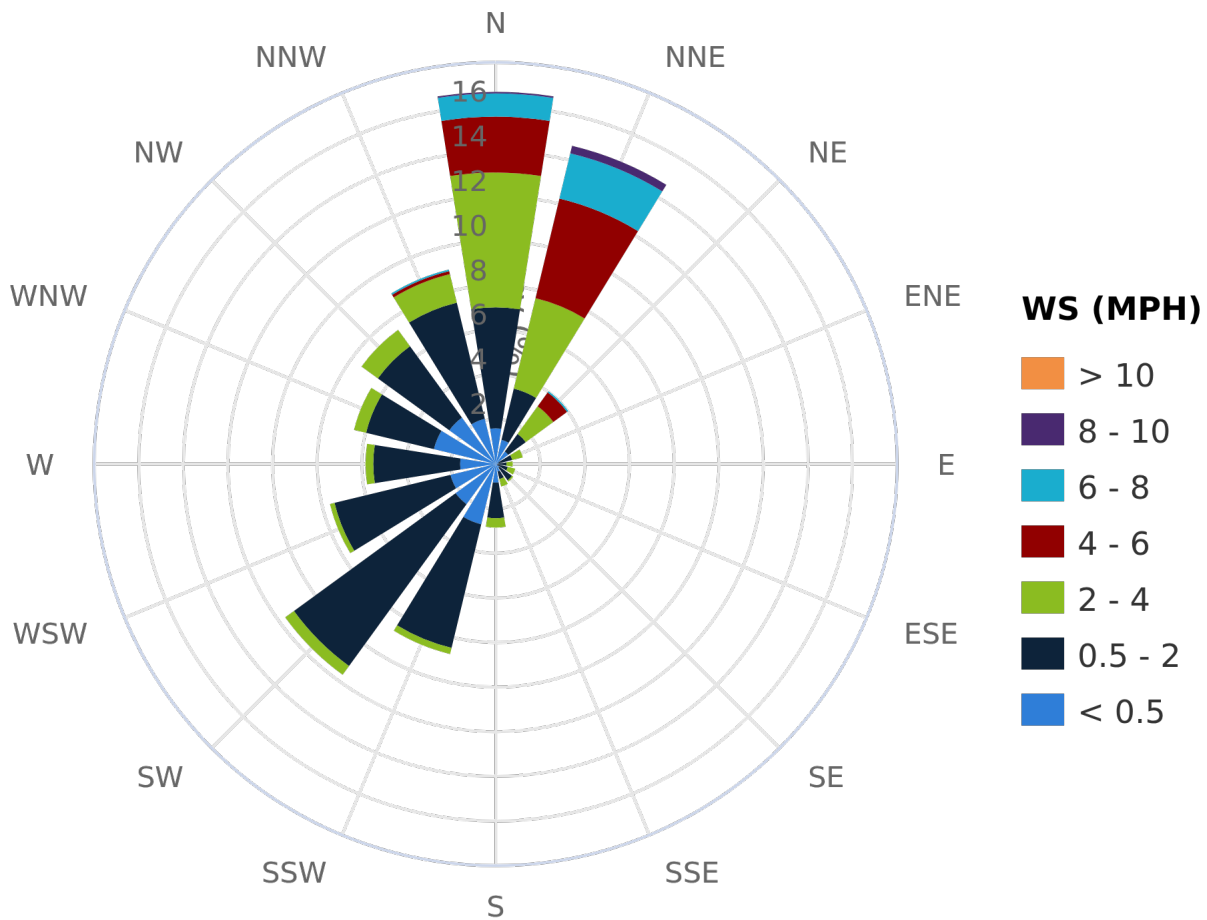


Figure 3 : Wind Rose Chart (WS in MPH)



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Date : 2026-01-27

Wind Rose Chart 2996

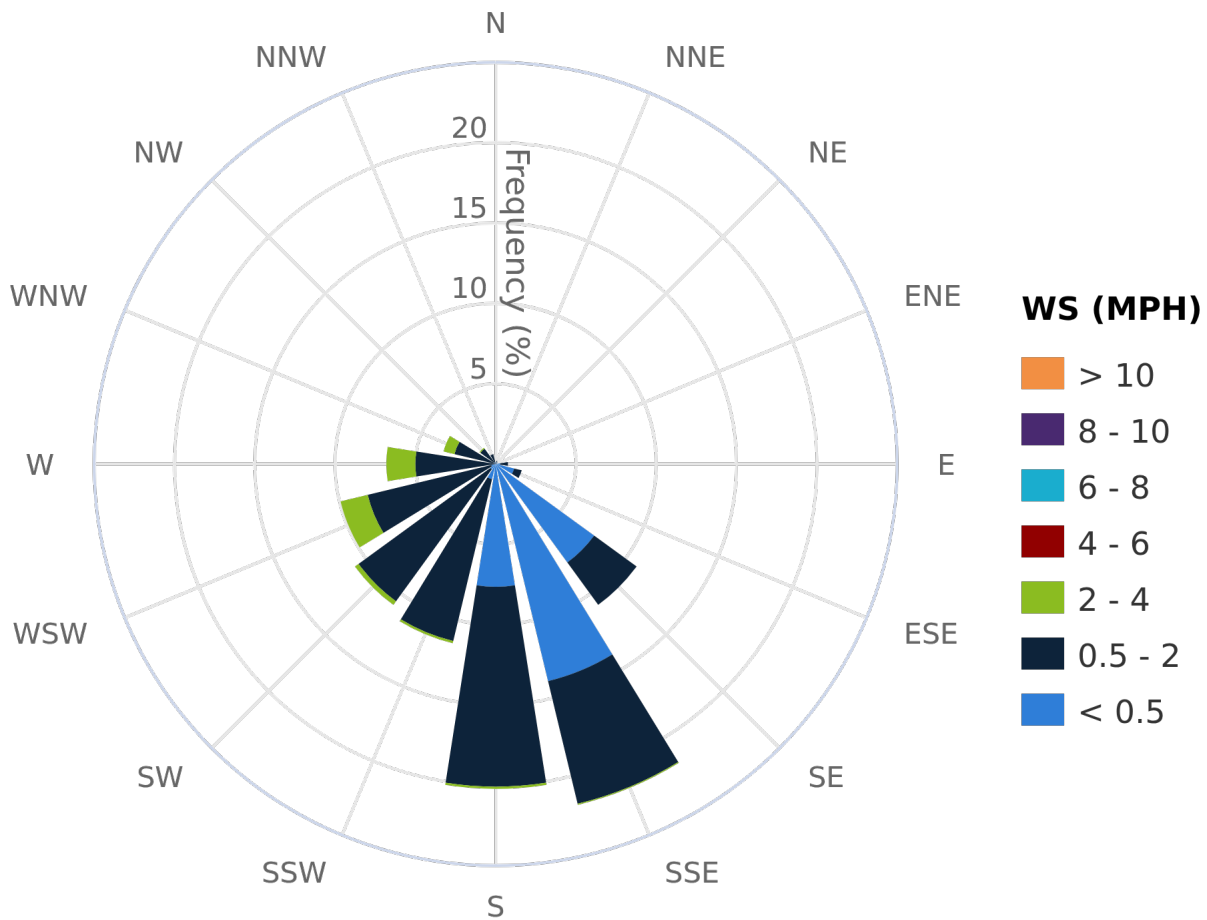


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

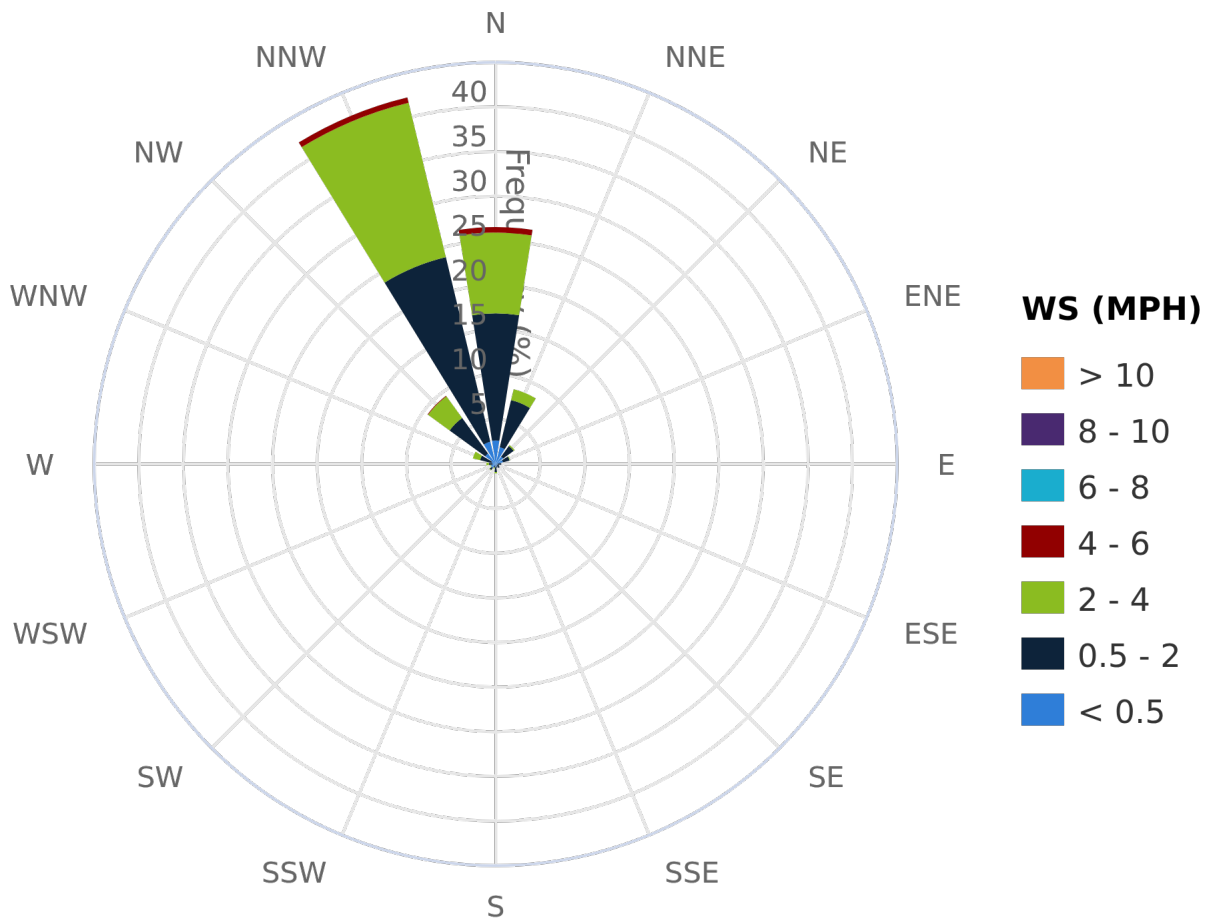


Figure 3 : Wind Rose Chart (WS in MPH)



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 3277 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3277 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3277 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00	5.0	5.7	4.8	4.3	3.6	4.6	3.0	3.7	0.042	0.009	0.000	0.039
00:15:00	5.1	6.0	4.8	4.2	3.6	4.8	3.1	3.7	0.040	0.011	0.000	0.037
00:30:00	5.2	6.2	4.8	4.3	3.7	5.1	3.2	3.6	0.038	0.012	0.000	0.034
00:45:00	4.9	5.9	4.7	4.3	3.6	4.8	3.2	3.6	0.036	0.009	0.000	0.034
01:00:00	4.9	5.7	4.6	4.3	3.5	4.6	3.2	3.6	0.030	0.011	0.000	0.032
01:15:00	4.8	5.7	4.8	4.2	3.4	4.6	3.1	3.7	0.023	0.007	0.000	0.028
01:30:00	4.8	5.7	4.7	4.0	3.6	4.6	3.0	3.6	0.024	0.007	0.000	0.019
01:45:00	5.0	5.8	4.6	4.1	3.6	4.7	3.1	3.6	0.027	0.006	0.000	0.012
02:00:00	4.9	5.9	5.4	4.2	3.6	4.8	3.1	4.3	0.022	0.008	0.000	0.017
02:15:00	5.2	6.0	5.2	4.2	3.7	4.7	3.1	4.0	0.034	0.002	0.000	0.024
02:30:00	5.2	5.9	5.0	4.4	3.8	4.7	3.2	3.8	0.031	0.004	0.000	0.023
02:45:00	5.1	5.8	4.8	4.4	3.8	4.7	3.2	3.6	0.027	0.006	0.000	0.022
03:00:00	5.0	5.8	4.6	4.2	3.7	4.7	3.2	3.5	0.024	0.004	0.000	0.023
03:15:00	5.0	5.6	4.5	4.3	3.7	4.6	3.2	3.5	0.017	0.001	0.000	0.018
03:30:00	5.0	5.7	4.8	4.3	3.6	4.6	3.1	3.7	0.018	0.001	0.000	0.017
03:45:00	5.0	5.8	4.8	4.2	3.7	4.6	3.1	3.7	0.022	0.001	0.000	0.015
04:00:00	5.2	5.8	4.9	4.2	3.7	4.6	3.0	3.7	0.016	0.003	0.000	0.017
04:15:00	5.1	5.8	4.9	4.2	3.6	4.6	3.1	3.8	0.016	0.003	0.000	0.015
04:30:00	4.9	5.7	5.0	4.1	3.5	4.6	2.9	3.8	0.015	0.005	0.000	0.012
04:45:00	4.8	5.4	5.0	4.0	3.4	4.3	2.9	3.7	0.018	0.003	0.000	0.011
05:00:00	4.6	5.2	4.5	3.8	3.3	4.1	2.8	3.5	0.018	0.005	0.000	0.015
05:15:00	4.7	5.2	4.3	3.9	3.3	4.1	2.8	3.4	0.017	0.001	0.000	0.015
05:30:00	4.7	5.3	4.5	4.2	3.4	4.2	3.0	3.4	0.013	0.004	0.000	0.012
05:45:00	4.9	5.4	4.5	4.0	3.5	4.2	3.0	3.4	0.017	0.003	0.000	0.011
06:00:00	4.7	5.4	4.5	3.9	3.5	4.3	2.9	3.3	0.014	0.002	0.000	0.010
06:15:00	4.8	5.3	4.5	3.7	3.3	4.2	2.7	3.4	0.012	0.001	0.000	0.009
06:30:00	4.6	5.2	4.6	3.6	3.2	4.1	2.7	3.3	0.011	0.005	0.000	0.007
06:45:00	4.4	5.0	5.0	3.6	3.1	4.0	2.6	3.6	0.013	0.008	0.000	0.008
07:00:00	4.2	5.0	4.8	3.4	3.1	3.9	2.5	3.6	0.011	0.005	0.000	0.006
07:15:00	4.2	5.0	5.3	3.6	3.0	3.9	2.5	4.1	0.012	0.000	0.000	0.007
07:30:00	4.4	4.8	5.6	3.5	3.1	3.8	2.5	4.4	0.010	0.000	0.000	0.007
07:45:00	5.2	5.3	5.3	4.1	3.4	4.1	2.8	3.5	0.011	0.001	0.000	0.010
08:00:00	4.6	5.5	4.6	3.9	3.2	4.2	2.7	3.3	0.011	0.003	0.000	0.010
08:15:00	9.6	5.2	4.5	3.7	3.5	4.0	2.5	3.2	0.013	0.005	0.000	0.006
08:30:00	6.6	5.1	5.0	4.0	3.3	3.9	2.6	3.3	0.012	0.011	0.000	0.007
08:45:00	14.1	5.1	5.8	3.9	3.9	3.8	2.5	4.1	0.013	0.005	0.000	0.009
09:00:00	4.8	5.0	5.3	3.7	3.1	3.8	2.5	3.7	0.015	0.005	0.000	0.010
09:15:00	16.8	5.2	4.7	3.7	4.2	3.8	2.5	3.4	0.015	0.007	0.000	0.010
09:30:00	4.9	5.1	4.6	3.7	3.0	3.8	2.4	3.3	0.020	0.004	0.000	0.010
09:45:00	10.6	4.9	4.4	3.4	3.4	3.7	2.4	3.2	0.022	0.004	0.000	0.013
10:00:00	4.8	4.8	4.1	3.5	2.9	3.6	2.4	3.0	0.026	0.009	0.000	0.013
10:15:00	4.2	4.6	4.0	3.2	2.8	3.5	2.3	3.0	0.026	0.008	0.000	0.016
10:30:00	4.2	4.6	5.5	3.4	2.7	3.5	2.3	3.1	0.033	0.010	0.000	0.019
10:45:00	4.3	4.6	4.2	3.3	2.8	3.5	2.3	3.1	0.030	0.005	0.000	0.017
11:00:00	6.5	4.6	4.6	3.4	3.0	3.5	2.3	3.4	0.031	0.001	0.000	0.017
11:15:00	4.2	4.7	4.1	3.4	2.7	3.5	2.3	2.9	0.034	0.005	0.000	0.021
11:30:00	11.5	4.8	4.0	3.3	3.4	3.6	2.2	2.9	0.030	0.001	0.000	0.022
11:45:00	3.9	4.4	4.6	3.3	2.5	3.3	2.1	2.7	0.035	0.004	0.000	0.021



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Table 3 : 15 Minute Average Concentrations (PM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 3277 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3277 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3277 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
12:00:00	10.1	4.3	4.3	3.3	3.0	3.1	2.2	2.7	0.030	0.003	0.000	0.022
12:15:00	8.3	4.2	7.1	3.4	2.7	3.1	2.1	2.9	0.024	0.000	0.000	0.022
12:30:00	3.6	4.0	3.3	3.1	2.2	2.9	2.0	2.2	0.020	0.000	0.000	0.019
12:45:00	4.2	3.9	4.1	2.8	2.2	2.9	1.8	2.2	0.010	0.001	0.000	0.014
13:00:00	6.3	3.9	3.0	2.7	2.3	2.7	1.8	2.0	0.004	0.000	0.000	0.005
13:15:00	11.5	3.7	4.1	2.6	2.7	2.6	1.6	2.1	0.000	0.000	0.000	0.001
13:30:00	5.1	3.5	3.0	2.6	2.1	2.5	1.7	1.9	0.000	0.000	0.000	0.000
13:45:00	3.3	3.7	2.8	2.5	1.9	2.7	1.6	1.9	0.000	0.000	0.000	0.000
14:00:00	20.0	3.7	3.3	2.7	3.7	2.7	1.7	1.9	0.000	0.000	0.000	0.000
14:15:00	5.9	3.9	2.7	2.5	2.1	2.9	1.6	1.7	0.000	0.000	0.000	0.000
14:30:00	3.8	3.7	3.4	2.5	1.8	2.7	1.6	2.1	0.000	0.000	0.000	0.000
14:45:00	3.1	3.4	2.7	2.7	1.7	2.4	1.6	1.6	0.000	0.000	0.000	0.000
15:00:00	3.4	3.6	2.8	3.0	1.8	2.4	1.7	1.7	0.000	0.000	0.000	0.000
15:15:00	3.8	3.8	3.4	3.1	2.0	2.5	1.8	1.8	0.000	0.000	0.000	0.000
15:30:00	3.9	3.9	3.7	3.0	2.0	2.5	1.8	1.9	0.000	0.000	0.000	0.000
15:45:00	3.8	3.9	3.5	3.0	1.9	2.6	1.8	1.8	0.000	0.000	0.000	0.000
16:00:00	4.5	3.9	3.9	2.9	1.8	2.5	1.7	1.9	0.000	0.000	0.000	0.000
16:15:00	10.4	3.5	3.3	3.0	2.4	2.2	1.7	1.8	0.000	0.000	0.000	0.000
16:30:00	33.2	3.2	2.8	2.3	5.1	2.1	1.4	1.6	0.000	0.000	0.000	0.003
16:45:00	12.9	3.1	2.8	2.4	2.4	2.0	1.4	1.6	0.000	0.001	0.000	0.005
17:00:00	42.3	3.1	2.6	2.2	6.1	2.1	1.4	1.6	0.000	0.000	0.000	0.006
17:15:00	22.2	3.3	3.4	3.2	3.6	2.1	1.6	1.9	0.000	0.000	0.000	0.011
17:30:00	6.4	3.5	3.2	2.9	2.1	2.3	1.7	1.9	0.000	0.000	0.000	0.013
17:45:00	3.9	3.7	4.9	3.7	2.0	2.5	2.2	2.1	0.000	0.001	0.000	0.006
18:00:00	4.2	4.4	3.7	7.7	2.3	3.0	2.8	1.9	0.000	0.002	0.000	0.004
18:15:00	4.8	5.0	4.2	5.4	2.5	3.4	2.7	2.3	0.001	0.002	0.000	0.005
18:30:00	4.8	4.8	6.6	7.9	2.6	3.0	2.8	4.4	0.007	0.002	0.000	0.005
18:45:00	92.6	4.7	156.7	22.6	12.4	2.8	12.9	118.2	0.012	0.000	0.000	0.000
19:00:00	10.6	4.4	284.7	33.5	3.5	3.0	10.9	201.4	0.014	0.001	0.000	0.002
19:15:00	9.0	4.6	173.0	71.1	4.7	3.2	15.1	102.7	0.018	0.003	0.000	0.000
19:30:00	36.3	5.3	181.8	33.0	9.7	3.5	10.2	124.3	0.017	0.000	0.000	0.000
19:45:00	13.9	6.7	134.6	23.3	8.2	3.9	8.8	88.4	0.013	0.000	0.000	0.000
20:00:00	12.6	7.5	126.2	31.8	7.6	5.0	9.7	86.1	0.010	0.000	0.000	0.000
20:15:00	10.7	10.6	92.9	24.8	6.7	8.0	9.7	66.2	0.006	0.000	0.001	0.000
20:30:00	62.6	13.3	86.1	21.4	12.7	9.7	9.4	64.1	0.005	0.002	0.003	0.000
20:45:00	13.4	14.2	64.1	19.3	8.0	10.8	11.3	48.2	0.004	0.000	0.004	0.000
21:00:00	16.0	16.2	54.3	16.7	10.0	12.8	10.1	41.5	0.001	0.001	0.007	0.000
21:15:00	14.0	27.0	48.4	35.3	9.0	23.2	14.6	35.4	0.000	0.000	0.008	0.000
21:30:00	12.6	24.1	50.7	32.6	8.4	20.5	16.7	39.0	0.000	0.000	0.009	0.000
21:45:00	16.0	21.4	62.1	37.6	10.8	18.3	27.4	50.4	0.000	0.000	0.009	0.000
22:00:00	23.1	19.6	52.2	36.1	15.5	16.7	28.0	43.0	0.000	0.000	0.009	0.000
22:15:00	20.3	17.3	50.5	32.5	14.7	14.6	25.5	42.1	0.000	0.000	0.009	0.000
22:30:00	14.9	15.8	43.1	27.6	11.0	13.3	21.8	36.0	0.000	0.000	0.010	0.000
22:45:00	12.0	15.3	36.8	19.7	8.9	12.8	15.5	31.2	0.000	0.000	0.012	0.000
23:00:00	10.2	15.5	32.6	16.4	7.6	12.8	12.8	27.7	0.000	0.000	0.017	0.000
23:15:00	10.3	13.6	30.3	13.3	7.7	11.3	10.3	25.7	0.000	0.000	0.019	0.000
23:30:00	10.2	12.5	28.6	13.9	7.6	10.3	10.4	24.0	0.000	0.000	0.023	0.000
23:45:00	10.1	15.5	29.8	17.2	7.6	13.1	12.5	24.2	0.000	0.000	0.023	0.000



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Table 4 : Summary of Exceedances (greater than Action Level) -

Minute of 15-min intv	Avg. 2943 - PM10 (µg/m³)	Avg. 3277 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3277 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3277 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
18:45:00				156.7				118.2				
19:00:00				284.7				201.4				
19:15:00				173.0				102.7				
19:30:00				181.8				124.3				
19:45:00								88.4				
20:00:00								86.1				
20:15:00								66.2				
20:30:00								64.1				
20:45:00								48.2				
21:00:00								41.5				
21:15:00								35.4				
21:30:00								39.0				
21:45:00								50.4				
22:00:00								43.0				
22:15:00								42.1				
22:30:00								36.0				