



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-12-10

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1000 Max : 28.61	2943 E	3277 SW	2996 SW	2997 NNW	Min : 43.88 Max : 65.30	Min : 57.50 Max : 89.40	Min : 29.88 Max : 30.25

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	10.5	21.0	6.9	14.2	-0.004	0.034
2996	12.5	55.2	8.7	47.9	0.000	0.001
2997	10.2	20.5	7.0	14.4	0.003	0.016
3277	12.6	29.7	9.7	26.3	0.004	0.023

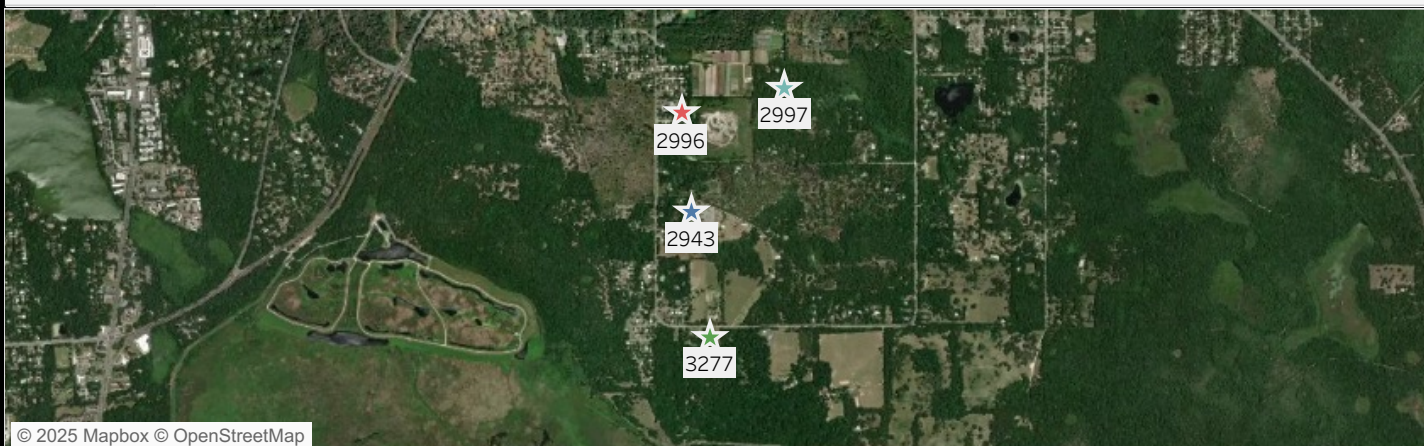


Figure 1 : Monitoring Locations

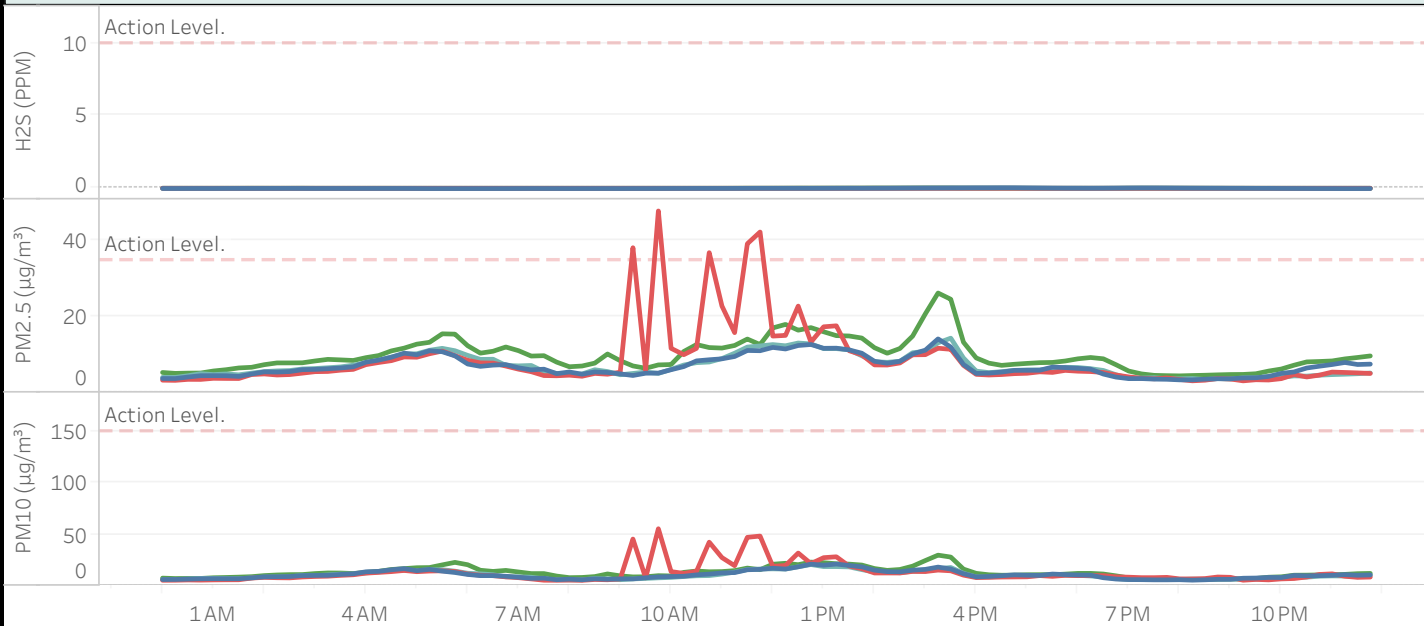


Figure 2 : 15 Minutes Average Concentrations

2943 2996 2997 3277



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Wind Rose Chart 2943

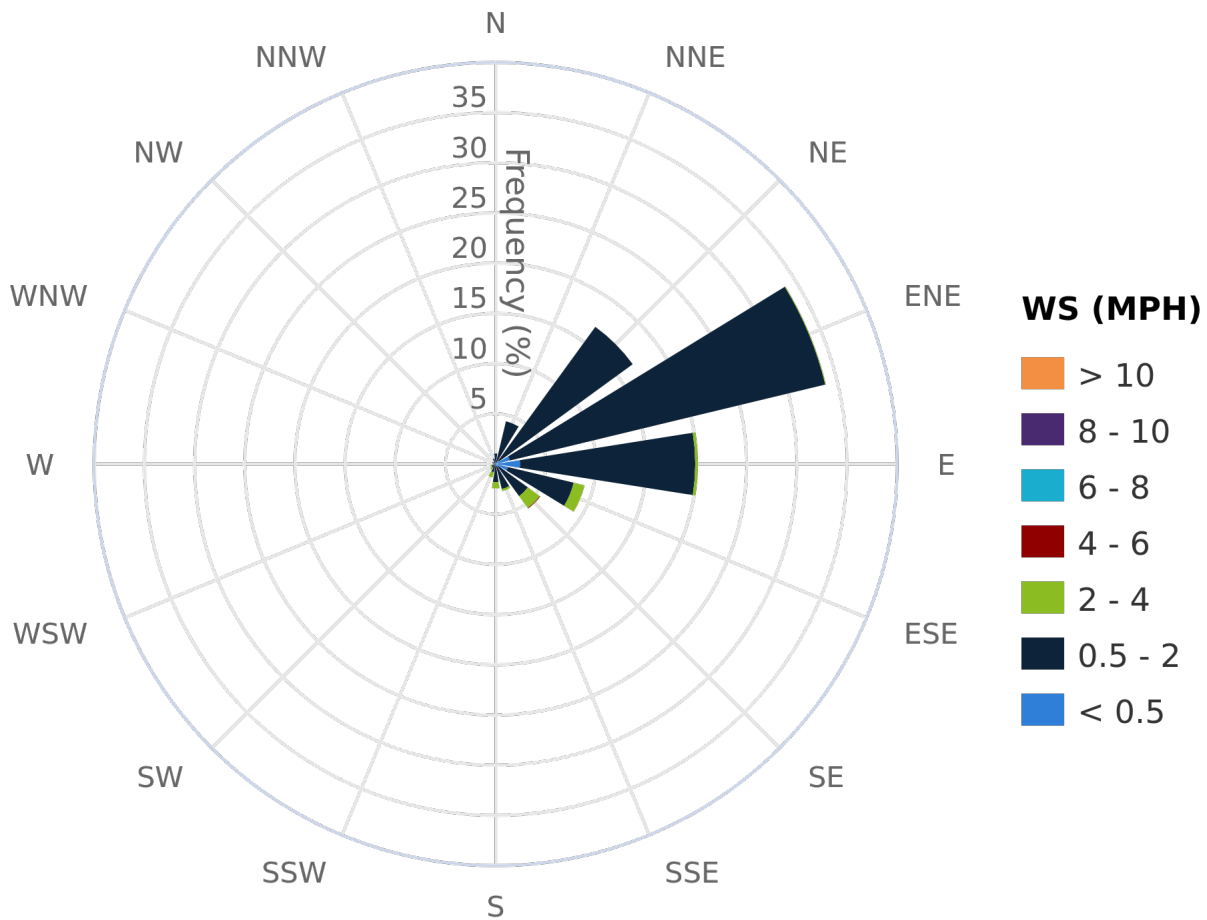


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 3277

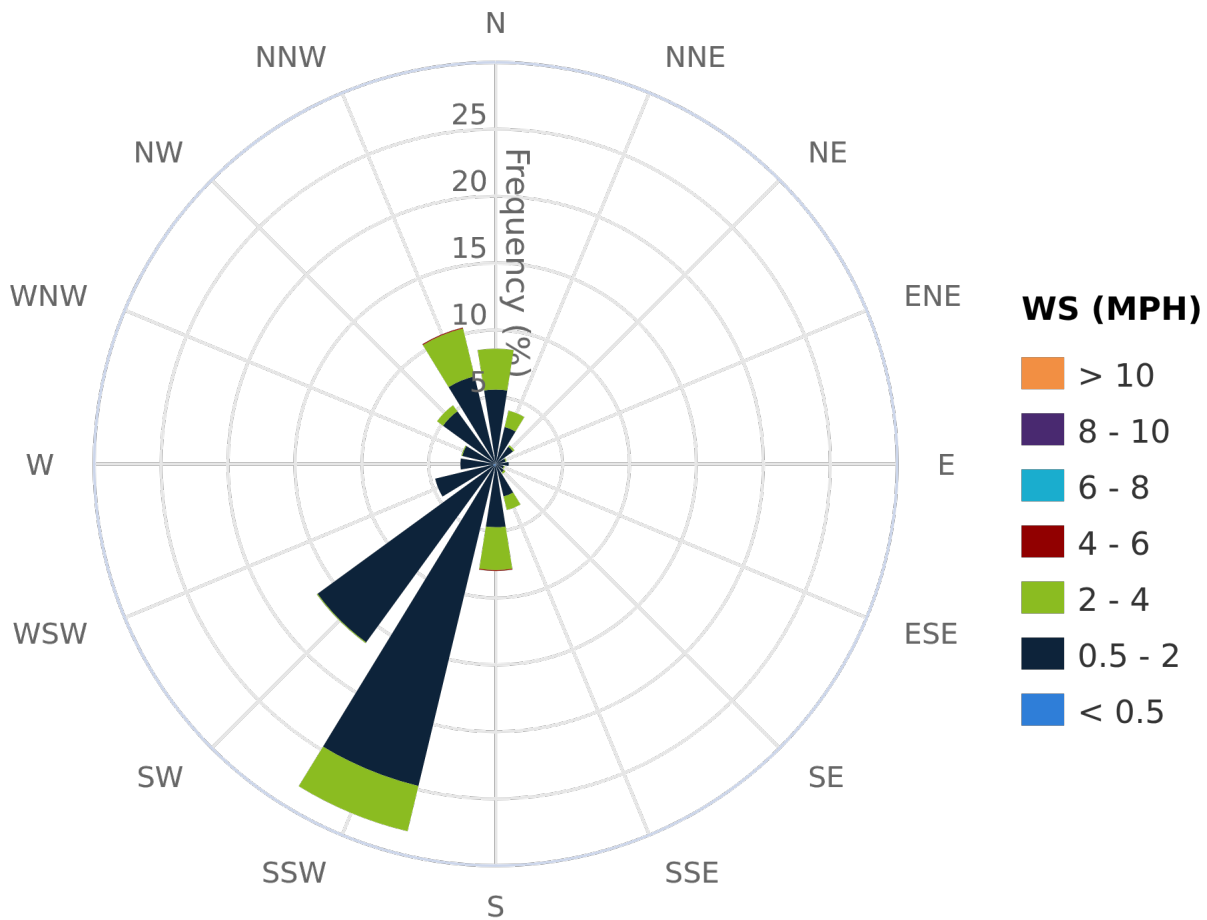


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

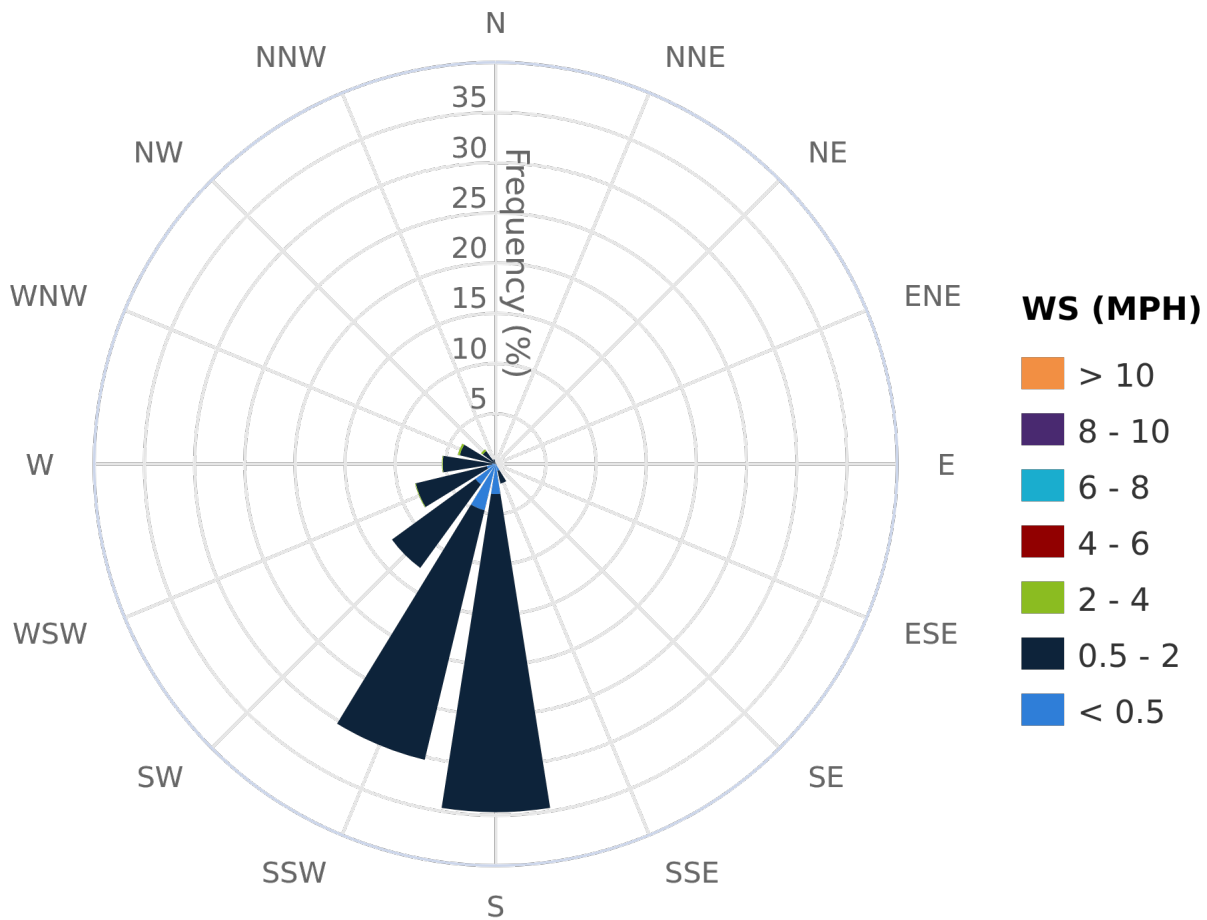


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

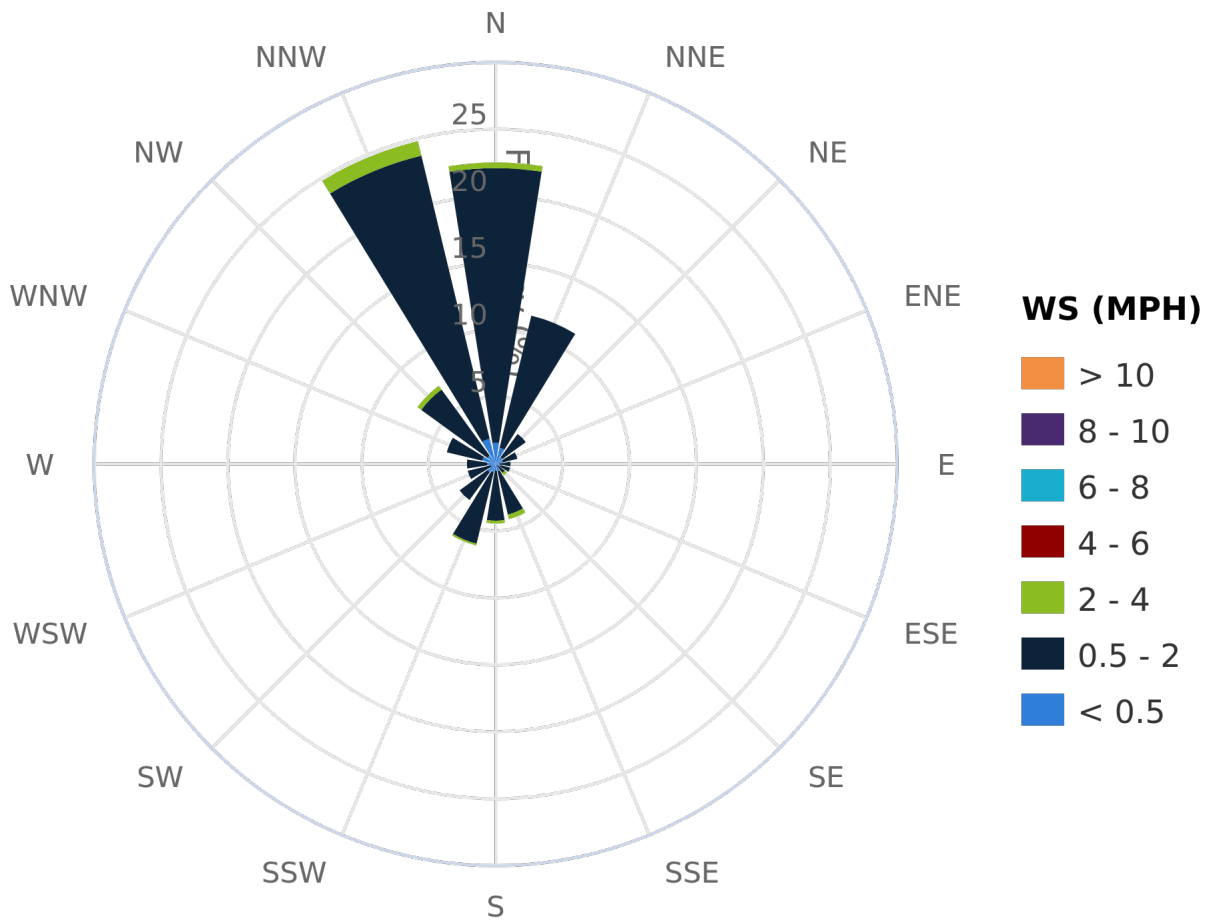


Figure 3 : Wind Rose Chart (WS in MPH)



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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	6.0	7.4	5.9	5.3	3.7	5.3	3.3	4.0	-0.015	0.000	0.000	0.000
00:15:00	6.1	7.0	6.1	5.4	3.7	5.1	3.2	4.0	-0.016	0.000	0.000	0.000
00:30:00	6.4	7.1	6.6	5.6	4.1	5.1	3.5	4.5	-0.014	0.000	0.000	0.000
00:45:00	6.8	7.1	7.2	5.5	4.5	5.2	3.5	5.0	-0.013	0.000	0.000	0.000
01:00:00	6.9	7.8	7.2	5.7	4.5	5.7	3.8	4.8	-0.014	0.000	0.000	0.000
01:15:00	6.8	8.0	7.0	5.8	4.5	6.0	3.7	4.9	-0.011	0.001	0.000	0.000
01:30:00	6.8	8.4	6.9	5.8	4.3	6.5	3.7	4.7	-0.010	0.001	0.000	0.000
01:45:00	7.6	8.8	7.6	7.4	4.9	6.7	4.8	5.1	-0.010	0.003	0.000	0.000
02:00:00	8.7	9.9	8.4	8.2	5.5	7.4	4.9	5.5	-0.010	0.003	0.000	0.000
02:15:00	8.8	10.5	8.6	7.8	5.4	7.8	4.7	5.7	-0.009	0.002	0.000	0.000
02:30:00	9.0	10.8	8.7	7.6	5.6	7.8	4.8	5.8	-0.009	0.003	0.000	0.000
02:45:00	9.9	10.9	9.9	8.5	6.1	7.9	5.1	6.2	-0.011	0.004	0.000	0.000
03:00:00	10.0	11.8	9.8	9.0	6.1	8.4	5.5	6.4	-0.013	0.000	0.000	0.000
03:15:00	10.1	12.4	10.5	9.3	6.3	8.8	5.6	6.6	-0.012	0.000	0.000	0.000
03:30:00	11.0	12.3	11.3	10.1	6.5	8.6	5.9	6.8	-0.012	0.000	0.000	0.000
03:45:00	11.6	11.9	11.4	10.6	6.8	8.5	6.1	7.2	-0.013	0.000	0.000	0.000
04:00:00	13.5	13.0	12.4	12.2	8.0	9.2	7.4	7.8	-0.012	0.000	0.000	0.000
04:15:00	14.0	14.0	13.5	12.9	8.6	9.8	7.9	8.5	-0.012	0.001	0.000	0.000
04:30:00	15.5	15.8	14.7	13.7	9.3	11.0	8.4	9.4	-0.012	0.000	0.000	0.000
04:45:00	16.6	16.6	14.9	14.8	10.4	11.7	9.4	10.2	-0.012	0.000	0.000	0.000
05:00:00	14.6	17.5	14.6	13.6	10.0	12.8	9.3	10.2	-0.015	0.000	0.000	0.000
05:15:00	15.9	17.7	15.5	14.3	11.0	13.3	10.2	11.2	-0.019	0.000	0.000	0.000
05:30:00	14.2	20.2	15.6	14.5	10.8	15.5	11.0	11.7	-0.019	0.000	0.000	0.000
05:45:00	12.8	22.7	14.2	13.8	9.7	15.4	9.7	11.0	-0.019	0.000	0.000	0.000
06:00:00	10.9	20.4	12.2	11.4	7.5	12.4	8.5	9.8	-0.019	0.000	0.000	0.000
06:15:00	9.8	15.0	11.6	10.2	6.9	10.4	7.8	8.8	-0.020	0.000	0.000	0.000
06:30:00	9.8	13.9	10.7	9.7	7.3	10.9	7.8	8.8	-0.019	0.000	0.000	0.000
06:45:00	9.2	14.9	8.7	8.6	7.4	12.0	7.0	7.2	-0.019	0.000	0.000	0.000
07:00:00	8.2	13.4	8.6	7.8	6.5	11.1	6.2	7.1	-0.016	0.000	0.000	0.000
07:15:00	7.2	11.8	8.3	6.6	6.0	9.6	5.5	7.2	-0.015	0.000	0.000	0.000
07:30:00	7.3	11.8	6.6	5.4	6.2	9.7	4.5	5.6	-0.016	0.000	0.000	0.000
07:45:00	5.9	9.4	5.9	5.3	5.0	8.0	4.4	5.1	-0.017	0.000	0.000	0.000
08:00:00	6.4	7.9	5.7	5.5	5.4	6.8	4.6	4.8	-0.018	0.000	0.000	0.000
08:15:00	5.8	8.1	5.8	5.3	4.9	7.0	4.3	4.9	-0.017	0.000	0.000	0.000
08:30:00	6.7	8.9	7.0	6.1	5.5	7.8	5.1	6.0	-0.017	0.000	0.000	0.000
08:45:00	6.3	11.5	6.6	5.8	5.3	10.2	4.9	5.6	-0.017	0.000	0.000	0.000
09:00:00	6.7	9.6	5.9	6.6	4.9	8.4	5.4	4.7	-0.018	0.000	0.000	0.000
09:15:00	6.7	8.6	6.6	45.3	4.5	7.0	38.2	5.1	-0.015	0.000	0.000	0.000
09:30:00	7.7	8.7	7.1	7.6	5.1	6.4	5.9	5.4	-0.016	0.000	0.000	0.000
09:45:00	8.6	9.8	7.7	55.2	5.1	7.3	47.9	5.1	-0.015	0.000	0.000	0.000
10:00:00	8.9	9.5	8.1	13.7	6.0	7.4	11.7	6.1	-0.012	0.000	0.000	0.000
10:15:00	9.2	13.0	8.9	12.0	6.9	10.8	10.0	7.3	-0.012	0.000	0.000	0.000
10:30:00	10.6	14.3	9.7	14.0	8.4	12.7	11.7	7.9	-0.010	0.000	0.000	0.000
10:45:00	11.3	13.6	9.9	42.2	8.7	11.9	36.9	8.1	-0.010	0.000	0.000	0.000
11:00:00	12.5	13.7	11.3	27.3	8.9	11.7	22.8	9.0	-0.010	0.001	0.000	0.000
11:15:00	12.8	14.7	13.2	19.5	9.5	12.4	15.8	10.4	-0.008	0.003	0.000	0.000
11:30:00	15.5	17.1	15.7	46.9	11.1	14.1	39.2	12.0	-0.005	0.007	0.000	0.000
11:45:00	15.9	15.6	16.3	48.1	11.0	12.7	42.3	12.3	-0.002	0.005	0.000	0.000



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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)
12:00:00	17.0	20.9	16.4	18.9	11.9	17.1	14.9	12.7	-0.002	0.006	0.000	0.001
12:15:00	16.2	21.8	16.2	19.6	11.5	18.0	15.1	12.3	-0.002	0.008	0.000	0.001
12:30:00	18.4	20.4	18.4	31.7	12.4	16.5	22.8	13.1	-0.002	0.011	0.000	0.002
12:45:00	20.9	22.9	20.5	21.5	12.7	17.1	13.3	12.8	-0.005	0.012	0.000	0.003
13:00:00	19.9	22.4	18.6	27.2	11.7	16.0	17.3	11.6	-0.002	0.011	0.000	0.004
13:15:00	21.0	21.3	18.6	28.1	11.7	15.0	17.6	11.6	0.001	0.012	0.000	0.004
13:30:00	19.7	21.0	18.3	19.1	11.3	14.9	11.1	11.3	0.003	0.014	0.000	0.003
13:45:00	18.4	20.1	15.6	16.6	10.4	14.4	10.0	9.7	-0.001	0.016	0.000	0.004
14:00:00	15.1	16.7	13.4	12.4	8.3	11.8	7.3	8.2	0.003	0.020	0.000	0.006
14:15:00	13.7	14.9	13.2	12.4	7.7	10.4	7.3	8.0	0.004	0.018	0.000	0.009
14:30:00	13.5	15.8	12.6	12.4	8.3	11.6	7.8	8.3	0.009	0.018	0.000	0.011
14:45:00	15.1	19.0	14.1	13.9	10.2	14.9	10.0	10.5	0.014	0.019	0.000	0.012
15:00:00	15.9	24.4	14.3	13.8	11.2	20.8	10.0	10.9	0.016	0.023	0.000	0.015
15:15:00	18.1	29.7	16.5	15.2	14.2	26.3	11.7	13.1	0.018	0.022	0.000	0.016
15:30:00	16.2	27.8	17.7	14.5	12.0	24.6	11.4	14.4	0.022	0.018	0.000	0.014
15:45:00	11.7	16.2	12.1	10.3	7.4	13.3	7.2	9.1	0.026	0.012	0.000	0.013
16:00:00	8.6	12.0	8.6	7.9	5.1	9.2	4.8	5.7	0.030	0.007	0.000	0.015
16:15:00	9.0	10.6	8.5	8.2	5.1	7.8	4.6	5.3	0.030	0.006	0.000	0.016
16:30:00	9.7	10.2	9.2	8.5	5.4	7.2	4.8	5.5	0.034	0.006	0.000	0.014
16:45:00	10.6	10.3	9.4	8.6	5.9	7.5	5.0	5.9	0.033	0.004	0.000	0.012
17:00:00	10.2	10.7	9.5	8.7	5.9	7.7	5.1	6.0	0.025	0.002	0.000	0.009
17:15:00	10.0	10.8	9.9	9.9	5.9	7.9	5.5	6.0	0.019	0.000	0.000	0.007
17:30:00	11.4	10.7	10.5	9.1	6.7	8.0	5.3	6.4	0.013	0.000	0.000	0.003
17:45:00	10.8	11.3	10.1	10.1	6.6	8.3	5.9	6.7	0.008	0.000	0.000	0.003
18:00:00	10.4	12.0	10.1	9.8	6.4	8.9	5.7	6.6	0.006	0.000	0.000	0.004
18:15:00	10.3	12.0	9.5	10.0	6.2	9.3	5.6	6.3	0.005	0.000	0.000	0.002
18:30:00	7.8	11.4	8.5	9.8	4.9	8.9	5.3	5.9	0.007	0.001	0.000	0.001
18:45:00	6.5	9.6	7.0	8.6	4.1	7.4	4.7	4.7	0.013	0.001	0.000	0.002
19:00:00	6.0	7.6	6.0	8.3	3.7	5.7	4.1	3.9	0.018	0.006	0.000	0.009
19:15:00	5.9	6.6	6.5	7.9	3.7	4.9	3.8	3.8	0.021	0.008	0.000	0.013
19:30:00	5.7	6.3	6.7	7.9	3.6	4.6	3.6	3.9	0.021	0.009	0.000	0.010
19:45:00	5.7	6.5	6.2	8.1	3.5	4.5	3.9	3.7	0.018	0.007	0.000	0.009
20:00:00	5.9	6.2	5.9	6.7	3.4	4.4	3.5	3.7	0.012	0.005	0.000	0.009
20:15:00	5.4	6.1	6.5	6.6	3.4	4.5	3.1	3.7	0.007	0.004	0.001	0.007
20:30:00	5.8	6.1	6.1	7.0	3.6	4.6	3.3	3.5	0.006	0.002	0.000	0.006
20:45:00	6.2	6.5	6.2	8.5	3.7	4.7	3.7	3.7	0.003	0.003	0.000	0.005
21:00:00	6.2	6.6	6.7	8.2	3.7	4.8	3.6	3.6	0.001	0.000	0.000	0.003
21:15:00	7.3	6.7	6.3	5.4	3.9	4.8	3.1	3.9	-0.002	0.000	0.000	0.004
21:30:00	7.5	7.1	6.4	6.1	3.9	5.0	3.4	3.9	-0.005	0.000	0.000	0.003
21:45:00	8.1	8.3	7.5	5.7	4.3	5.7	3.3	4.2	-0.007	0.000	0.000	0.003
22:00:00	8.0	8.7	7.7	6.6	5.1	6.2	3.7	4.0	-0.011	0.000	0.000	0.001
22:15:00	10.0	10.2	8.1	7.0	5.5	7.2	4.8	4.4	-0.013	0.000	0.000	0.000
22:30:00	9.6	10.3	8.3	8.5	6.5	8.1	4.1	4.4	-0.015	0.000	0.000	0.000
22:45:00	9.8	10.5	9.3	11.0	7.0	8.2	4.6	4.6	-0.019	0.000	0.000	0.000
23:00:00	10.1	10.6	9.5	11.5	7.4	8.4	5.4	4.7	-0.019	0.000	0.000	0.000
23:15:00	10.8	11.0	9.4	9.2	7.9	8.9	5.3	4.9	-0.023	0.000	0.000	0.000
23:30:00	10.2	11.7	8.7	8.2	7.4	9.3	5.2	5.0	-0.022	0.000	0.000	0.000
23:45:00	10.5	12.0	10.1	8.4	7.5	9.7	5.1	5.2	-0.020	0.000	0.000	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)
09:15:00							38.2					
09:45:00							47.9					
10:45:00							36.9					
11:30:00							39.2					
11:45:00							42.3					