



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-10

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1790 Max : 14.03	2943 ESE	2995 N	2996 S	2997 N	Min : 67.82 Max : 101.5	Min : 41.20 Max : 84.10	Min : 29.93 Max : 30.22

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	21.4	207.9	7.5	24.6	-0.041	0.039
2995	12.3	17.1	6.6	9.1	0.005	0.034
2996	13.2	21.0	6.9	8.1	0.002	0.033
2997	12.5	18.7	6.4	8.0	0.002	0.035

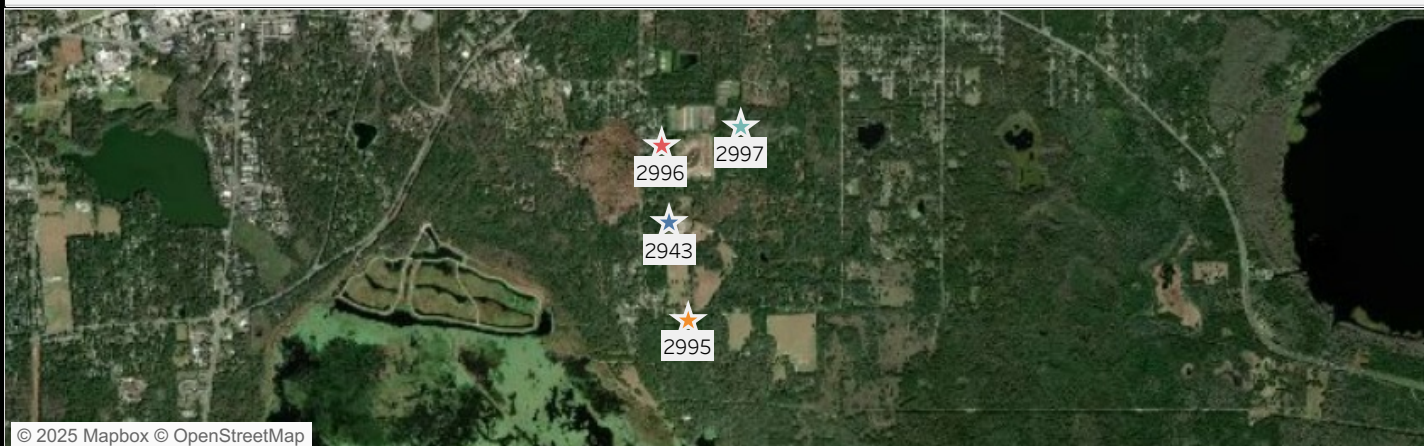


Figure 1 : Monitoring Locations

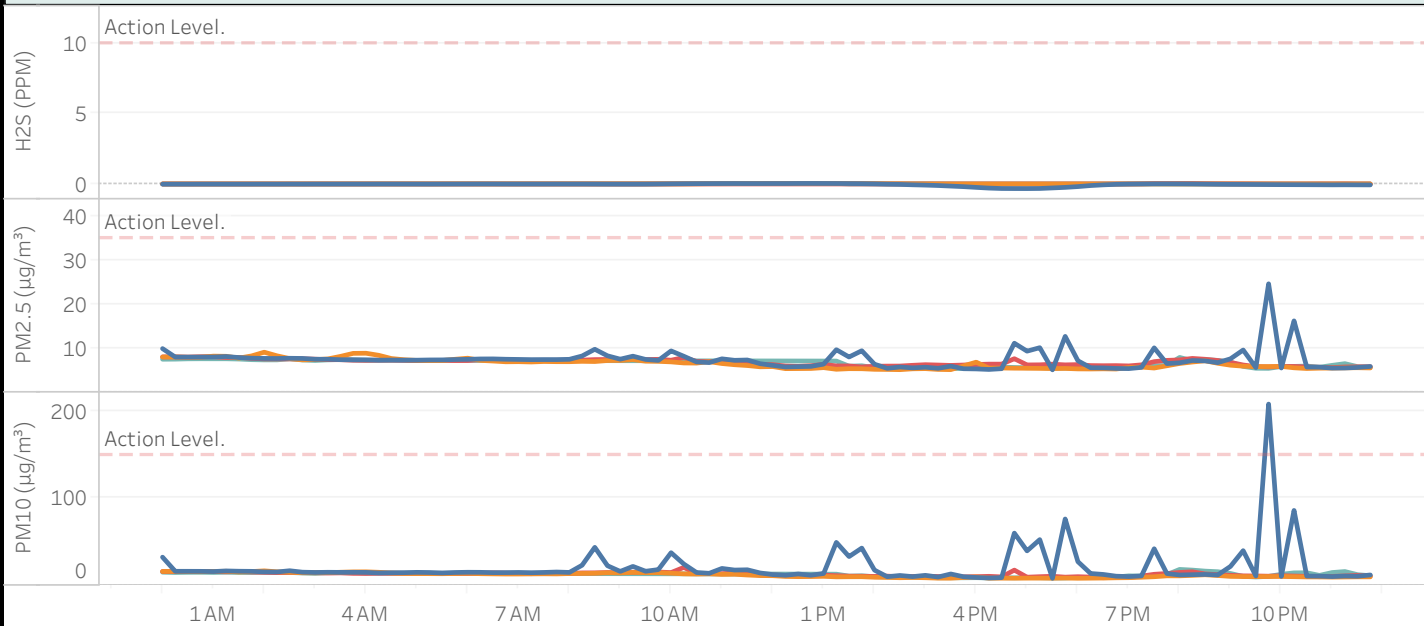


Figure 2 : 15 Minutes Average Concentrations

2943 2995 2996 2997



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Wind Rose Chart 2943

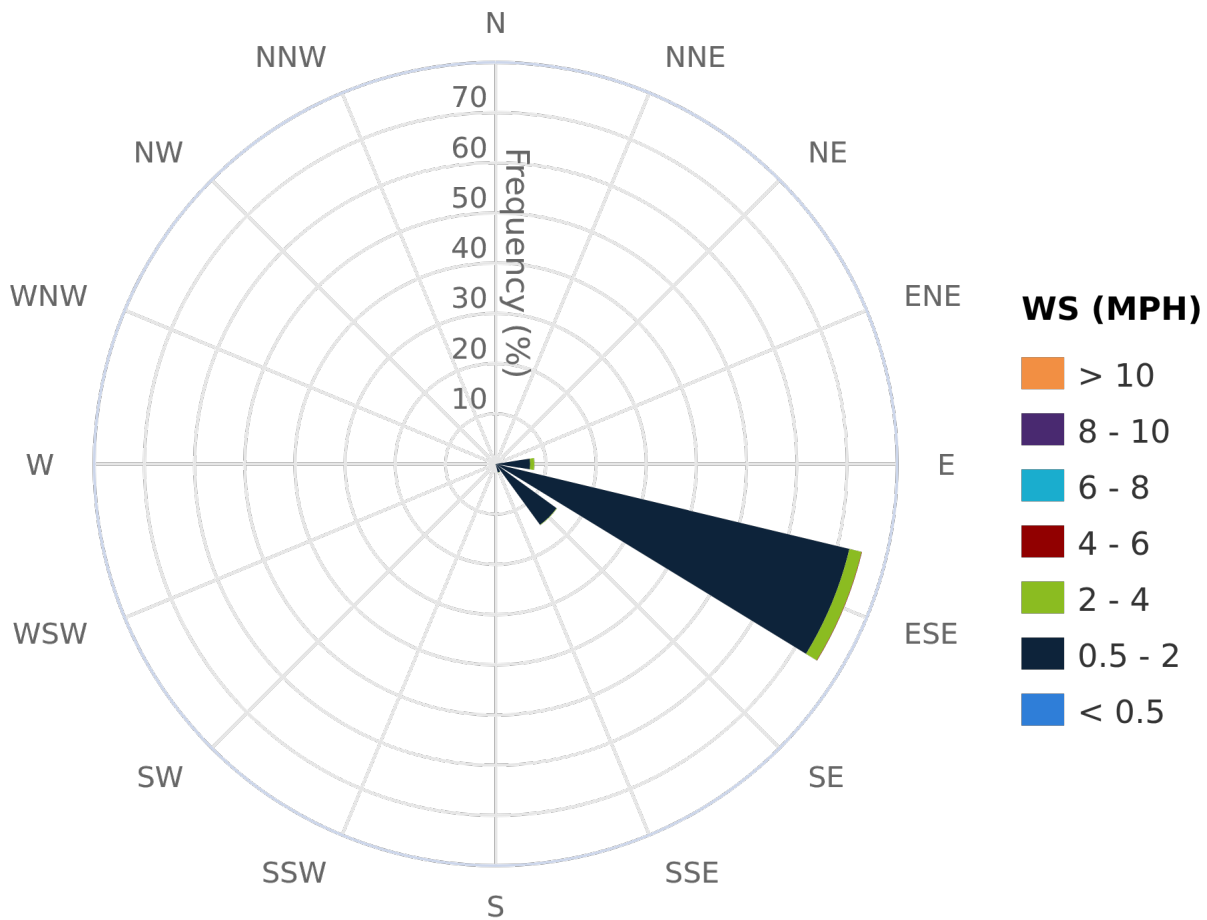


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

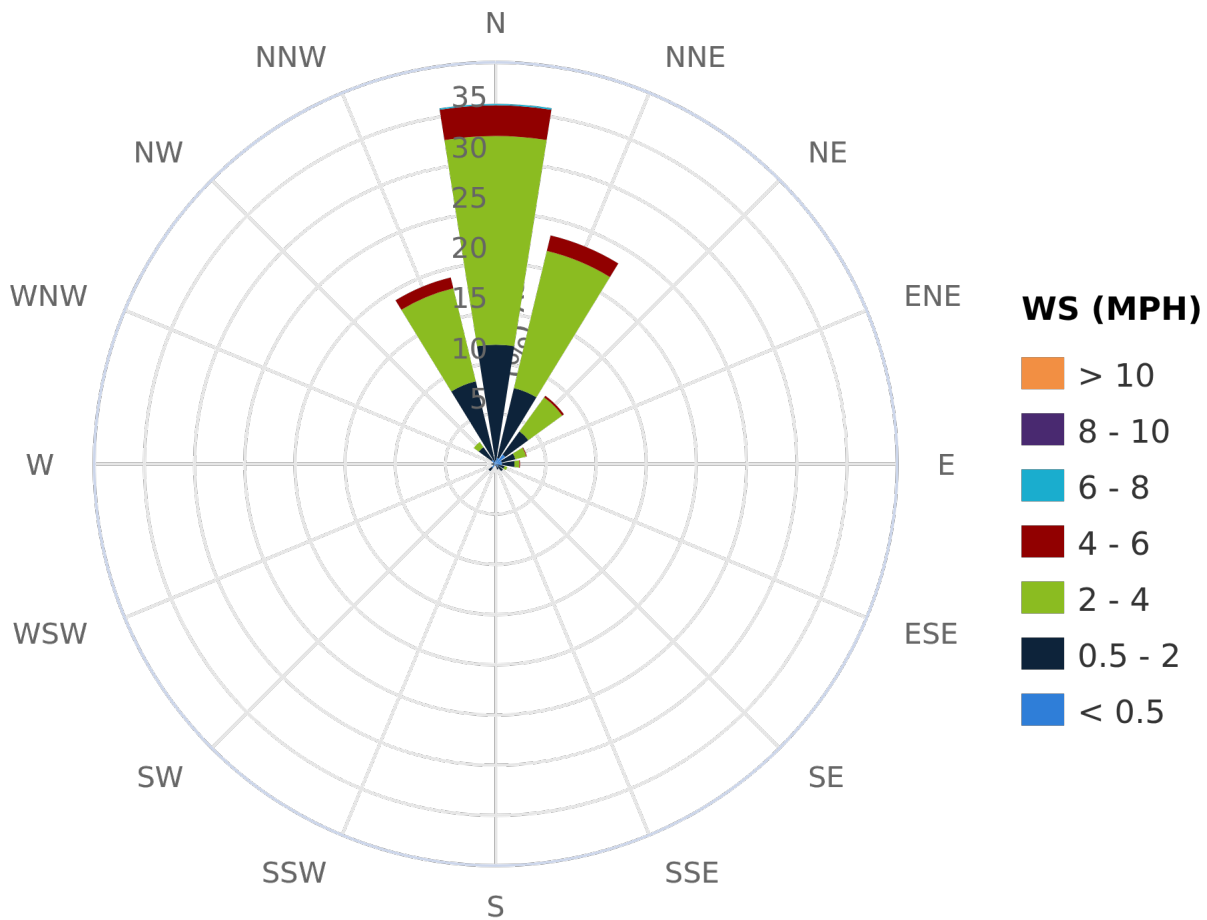


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

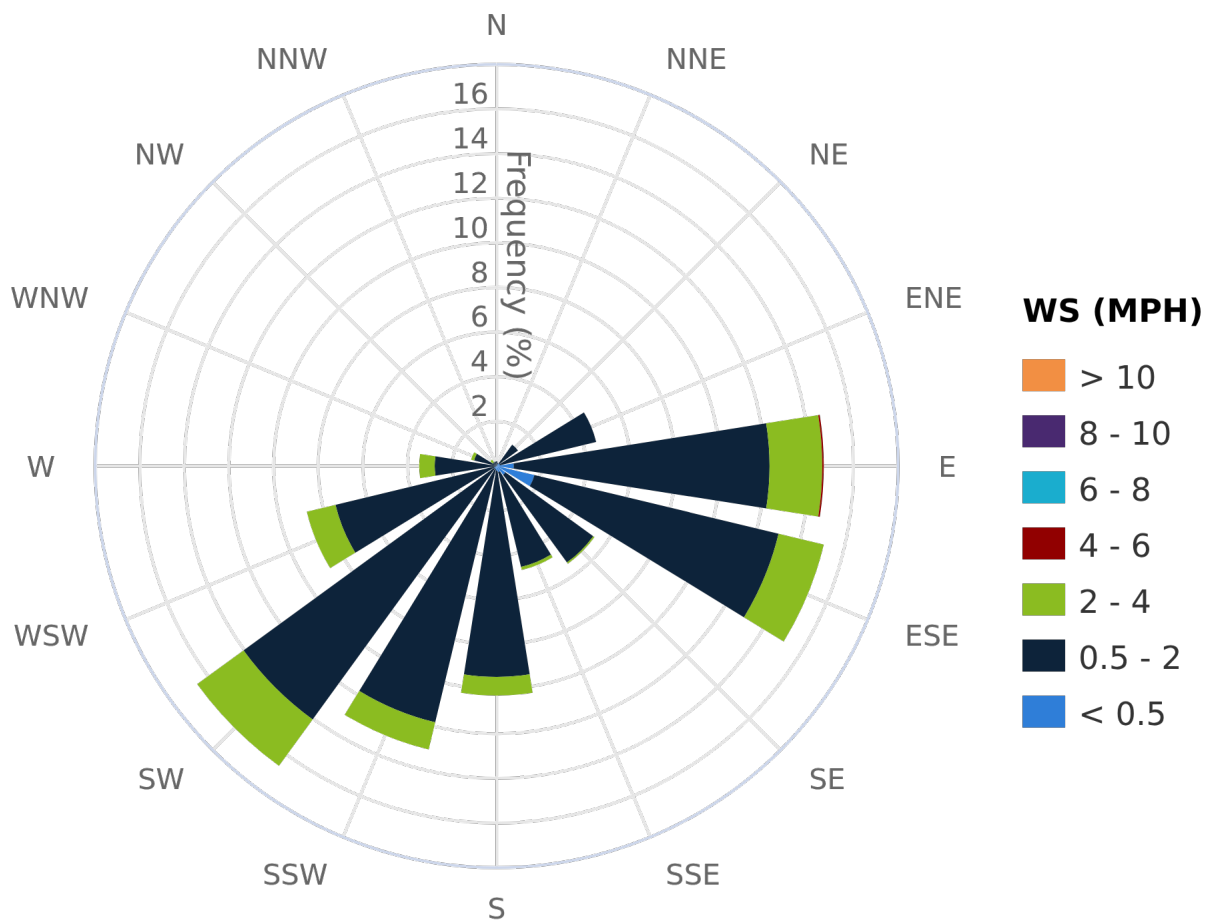


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

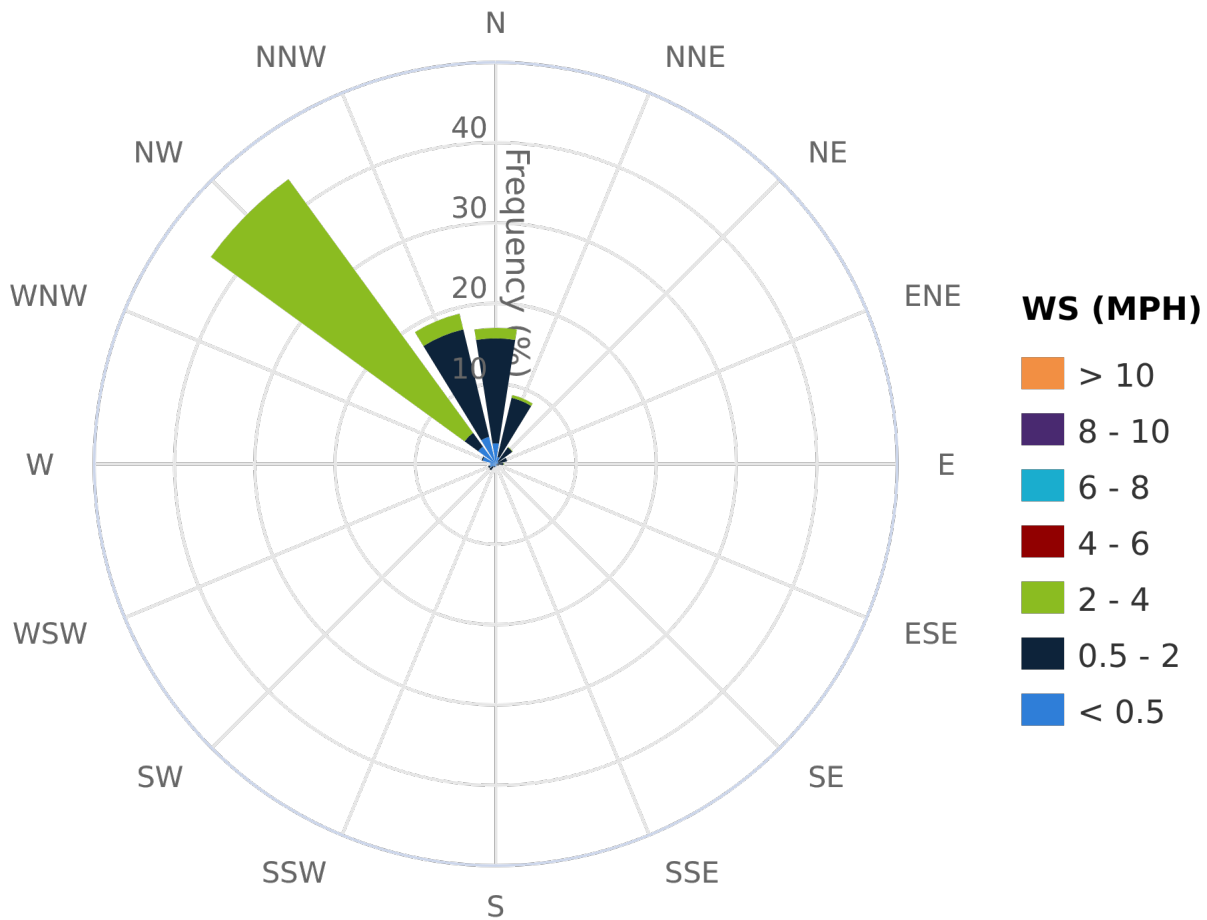


Figure 3 : Wind Rose Chart (WS in MPH)



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 2995 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2995 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2995 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00	32.7	16.4	15.5	16.3	10.0	8.0	8.1	7.5	-0.015	0.000	0.000	0.000
00:15:00	16.6	16.5	15.2	16.2	8.0	8.1	8.1	7.6	-0.014	0.000	0.000	0.000
00:30:00	16.6	16.3	15.4	16.5	8.0	8.0	8.0	7.6	-0.014	0.000	0.000	0.000
00:45:00	16.5	16.1	15.4	16.4	8.0	8.0	8.1	7.7	-0.012	0.000	0.000	0.000
01:00:00	16.3	16.5	15.2	16.3	8.1	8.3	8.1	7.7	-0.012	0.000	0.000	0.000
01:15:00	17.0	16.6	15.5	15.9	8.2	8.2	7.9	7.7	-0.012	0.000	0.000	0.000
01:30:00	16.6	15.8	15.2	16.3	7.9	7.8	8.0	7.6	-0.012	0.000	0.000	0.000
01:45:00	16.5	16.3	15.1	15.8	7.8	8.3	7.8	7.5	-0.012	0.000	0.000	0.000
02:00:00	15.9	17.1	15.3	15.4	7.7	9.1	7.6	7.4	-0.010	0.000	0.000	0.000
02:15:00	15.8	16.0	15.1	15.1	7.7	8.3	7.6	7.4	-0.011	0.000	0.000	0.000
02:30:00	17.2	15.4	15.2	15.2	7.8	7.7	7.6	7.6	-0.009	0.000	0.000	0.001
02:45:00	15.6	14.9	14.6	15.1	7.7	7.4	7.6	7.4	-0.010	0.000	0.000	0.000
03:00:00	15.2	14.8	14.2	15.0	7.5	7.5	7.6	7.3	-0.008	0.001	0.000	0.002
03:15:00	15.4	15.0	15.0	14.5	7.5	7.6	7.5	7.4	-0.008	0.000	0.000	0.003
03:30:00	15.3	15.5	15.4	14.7	7.4	8.2	7.4	7.5	-0.007	0.000	0.000	0.001
03:45:00	15.4	15.9	15.3	14.2	7.4	8.9	7.3	7.4	-0.007	0.001	0.000	0.003
04:00:00	15.3	16.0	14.4	14.1	7.4	8.9	7.3	7.3	-0.007	0.001	0.000	0.002
04:15:00	14.7	15.4		14.3	7.3	8.4	7.3		-0.005	0.002	0.000	
04:30:00	14.9	14.6		14.3	7.4	7.7	7.4		-0.005	0.002	0.000	
04:45:00	15.0	14.1		14.3	7.3	7.4	7.3		-0.006	0.002	0.000	
05:00:00	15.4	13.9		14.2	7.3	7.3	7.2		-0.008	0.002	0.000	
05:15:00	15.2	13.9		14.3	7.4	7.2	7.3		-0.009	0.000	0.000	
05:30:00	14.7	13.8		14.1	7.4	7.3	7.3		-0.007	0.001	0.000	
05:45:00	15.2	14.0		14.1	7.5	7.5	7.2		-0.006	0.003	0.000	
06:00:00	15.5	14.3		14.1	7.5	7.8	7.3		-0.004	0.003	0.000	
06:15:00	15.4	13.8		14.3	7.6	7.3	7.5		-0.003	0.000	0.000	
06:30:00	15.0	13.6		14.8	7.6	7.1	7.5		-0.004	0.000	0.000	
06:45:00	15.1	13.4		14.4	7.5	7.0	7.4		-0.006	0.001	0.000	
07:00:00	15.3	13.5		14.1	7.5	7.0	7.3		-0.008	0.000	0.000	
07:15:00	15.0	13.6		13.8	7.5	6.9	7.2		-0.008	0.000	0.000	
07:30:00	15.3	13.7		14.3	7.5	7.0	7.3		-0.009	0.000	0.000	
07:45:00	15.7	13.6		14.7	7.5	7.0	7.3		-0.007	0.000	0.000	
08:00:00	15.3	14.0		14.3	7.5	7.0	7.3		-0.008	0.001	0.000	
08:15:00	23.5	14.1		14.7	8.3	7.1	7.4		-0.008	0.000	0.000	
08:30:00	44.0	14.3		14.8	9.8	7.0	7.5		-0.011	0.000	0.000	
08:45:00	22.9	14.9		15.2	8.3	7.3	7.5		-0.015	0.000	0.000	
09:00:00	16.4	14.7		15.0	7.6	7.3	7.4		-0.017	0.000	0.000	
09:15:00	22.2	15.3		15.5	8.2	7.5	7.5		-0.017	0.000	0.000	
09:30:00	16.6	15.0		15.7	7.5	7.1	7.5		-0.015	0.000	0.000	
09:45:00	18.5	14.9		15.7	7.3	7.1	7.5		-0.005	0.000	0.000	
10:00:00	37.8	14.3		15.1	9.4	6.9	7.3		0.007	0.000	0.000	
10:15:00	24.9	13.6		21.0	8.2	6.7	7.9		0.015	0.002	0.000	
10:30:00	15.2	13.4		14.1	6.9	6.7	7.1		0.022	0.008	0.000	
10:45:00	14.3	13.7		13.9	6.8	7.0	7.0		0.026	0.018	0.000	
11:00:00	19.8	13.0		13.8	7.6	6.6	7.1		0.030	0.019	0.000	
11:15:00	18.0	13.2		14.7	7.3	6.3	7.1		0.032	0.023	0.000	
11:30:00	18.3	12.3		13.3	7.4	6.1	6.7		0.029	0.028	0.000	
11:45:00	14.7	11.6		12.5	6.5	5.8	6.4		0.030	0.031	0.000	



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 2995 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2995 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2995 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
12:00:00	12.8	11.5		12.2	6.2	5.9	6.3		0.032	0.032	0.000	
12:15:00	12.1	10.7		11.8	5.8	5.4	6.0		0.032	0.034	0.000	
12:30:00	13.5	10.4		11.5	5.9	5.4	5.9		0.037	0.034	0.000	
12:45:00	12.1	10.6		11.8	5.9	5.5	6.1		0.039	0.034	0.000	
13:00:00	14.1	10.8		12.2	6.4	5.7	6.4		0.036	0.030	0.000	
13:15:00	49.6	10.2	13.3	11.6	9.7	5.3	6.0	7.1	0.033	0.032	0.000	0.035
13:30:00	33.4	10.3	11.1	11.0	8.1	5.4	6.0	6.0	0.028	0.029	0.000	0.000
13:45:00	43.1	10.4	11.5	10.9	9.5	5.4	5.8	6.1	0.022	0.027	0.000	0.000
14:00:00	17.9	9.8	10.4	10.7	6.4	5.3	6.0	5.6	0.009	0.024	0.000	0.000
14:15:00	10.4	9.6	10.0	11.1	5.5	5.2	6.0	5.5	-0.014	0.016	0.000	0.000
14:30:00	11.8	9.2	9.5	10.3	5.8	5.2	6.0	5.5	-0.032	0.012	0.000	0.014
14:45:00	10.5	9.5	9.6	10.7	5.6	5.4	6.2	5.5	-0.059	0.002	0.000	0.016
15:00:00	11.9	9.2	9.6	10.9	5.7	5.4	6.3	5.6	-0.081	0.000	0.000	0.017
15:15:00	10.0	8.7	9.2	10.7	5.5	5.2	6.2	5.5	-0.109	0.000	0.000	0.011
15:30:00	13.5	8.7	9.2	10.0	6.0	5.2	6.2	5.5	-0.150	0.000	0.000	0.006
15:45:00	10.4		9.1	10.2	5.4		6.2	5.4	-0.189	0.000	0.000	0.001
16:00:00	9.5	10.2	9.2	10.4	5.4	6.9	6.4	5.5	-0.243	0.000	0.000	0.000
16:15:00	8.9	8.7	8.9	10.8	5.2	5.5	6.4	5.5	-0.293	0.000	0.000	0.000
16:30:00	9.3	8.7	9.3	10.2	5.4	5.6	6.4	5.8	-0.322	0.000	0.000	0.000
16:45:00	60.2	8.7	9.1	17.9	11.2	5.5	7.7	5.7	-0.327	0.000	0.000	0.000
17:00:00	39.9	8.7	9.4	9.8	9.4	5.5	6.3	5.6	-0.328	0.000	0.000	0.000
17:15:00	52.8	8.8	9.2	10.4	10.2	5.5	6.3	5.7	-0.320	0.000	0.000	0.000
17:30:00	8.5	8.7	8.9	10.9	5.2	5.4	6.4	5.5	-0.281	0.000	0.000	0.000
17:45:00	76.4	8.8	9.0	9.9	12.7	5.5	6.3	5.6	-0.242	0.000	0.000	0.000
18:00:00	27.6	8.6	9.6	10.4	7.2	5.4	6.3	5.6	-0.186	0.000	0.000	0.000
18:15:00	14.0	8.7	9.4	10.0	5.6	5.3	6.1	5.5	-0.112	0.000	0.000	0.000
18:30:00	13.0	8.8	9.9	9.2	5.6	5.4	6.1	5.6	-0.063	0.000	0.000	0.000
18:45:00	11.0	9.1	10.0	9.5	5.5	5.3	6.1	5.5	-0.026	0.002	0.000	0.002
19:00:00	10.5	9.3	11.4	9.5	5.4	5.7	6.0	5.8	-0.008	0.003	0.000	0.002
19:15:00	11.3	9.8	11.1	11.0	5.7	5.8	6.3	5.9	0.002	0.003	0.007	0.001
19:30:00	42.4	10.3	11.5	13.1	10.1	5.6	7.0	6.0	0.009	0.002	0.026	0.001
19:45:00	14.0	11.4	12.7	14.0	6.6	6.1	7.3	6.2	0.010	0.000	0.025	0.001
20:00:00	12.3	11.3	18.7	15.3	6.7	6.6	7.4	8.0	0.006	0.000	0.030	0.000
20:15:00	12.7	11.9	17.9	16.0	7.3	6.9	7.7	7.2	0.000	0.000	0.033	0.000
20:30:00	13.0	12.6	16.8	13.6	7.2	7.2	7.5	7.5	-0.011	0.000	0.020	0.000
20:45:00	12.4	11.7	16.1	12.7	6.8	6.6	7.3	7.3	-0.021	0.000	0.014	0.000
21:00:00	22.2	10.7	14.1	12.0	7.6	6.2	6.8	6.9	-0.028	0.000	0.011	0.000
21:15:00	40.2	10.5	10.7	11.3	9.6	6.0	6.3	5.9	-0.031	0.000	0.009	0.000
21:30:00	11.2	10.4	10.1	11.2	5.7	5.9	5.9	5.5	-0.035	0.000	0.005	0.000
21:45:00	207.9	10.6	10.8	11.0	24.6	5.9	5.8	5.5	-0.042	0.000	0.001	0.000
22:00:00	10.7	10.6	13.2	11.5	5.6	5.9	5.9	5.9	-0.048	0.000	0.000	0.000
22:15:00	86.2	10.4	14.8	11.1	16.2	5.6	5.9	5.9	-0.051	0.000	0.000	0.000
22:30:00	11.1	10.1	14.9	10.8	5.8	5.5	5.8	6.0	-0.054	0.000	0.000	0.000
22:45:00	11.0	10.1	11.9	10.4	5.8	5.5	5.7	5.7	-0.058	0.000	0.005	0.000
23:00:00	10.5	9.9	15.1	10.7	5.5	5.6	5.7	6.2	-0.062	0.000	0.003	0.000
23:15:00	11.1	10.1	16.3	11.2	5.6	5.6	5.8	6.6	-0.059	0.000	0.008	0.000
23:30:00	10.9	10.2	12.7	11.9	5.7	5.6	5.8	5.9	-0.063	0.000	0.000	0.000
23:45:00	12.4	10.2	11.5	11.0	5.9	5.6	5.9	5.7	-0.065	0.000	0.000	0.000

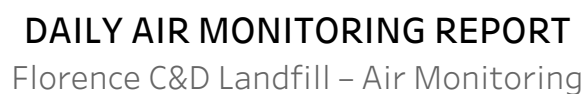


Table 4 : Summary of Exceedances (greater than Action Level) -

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