



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-07-31

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1340 Max : 18.48	2943 SE	2995 E	2996 NNE	2997 W	Min : 75.92 Max : 103.5	Min : 53.20 Max : 95.90	Min : 29.98 Max : 30.17

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	20.4	64.5	7.7	13.4	0.002	0.095
2995	16.4	22.4	6.8	11.3	0.009	0.080
2996	18.3	26.4	7.8	11.3	0.003	0.021
2997	22.1	38.9	7.7	10.6	0.006	0.056

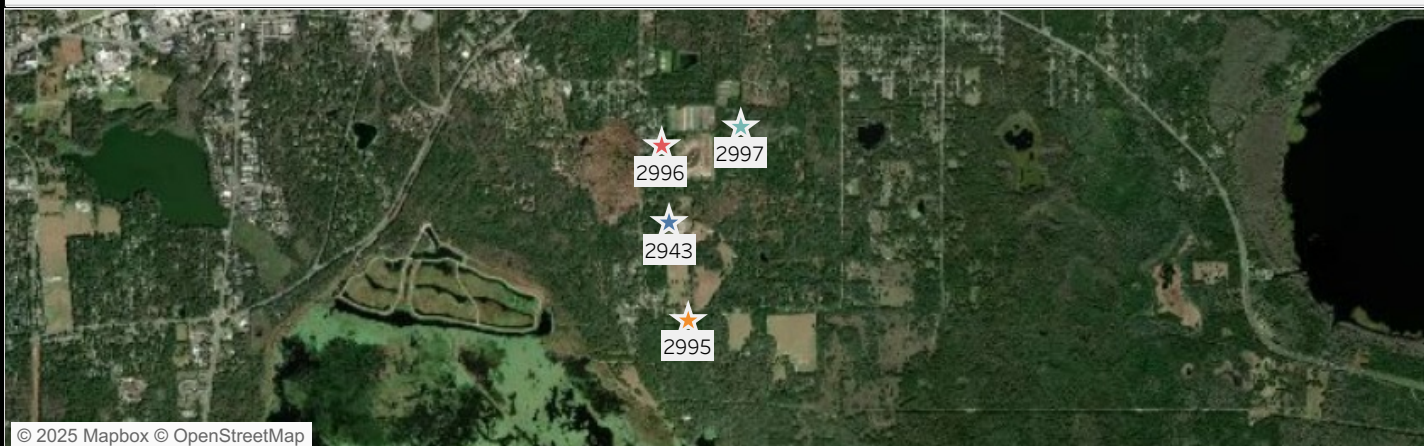
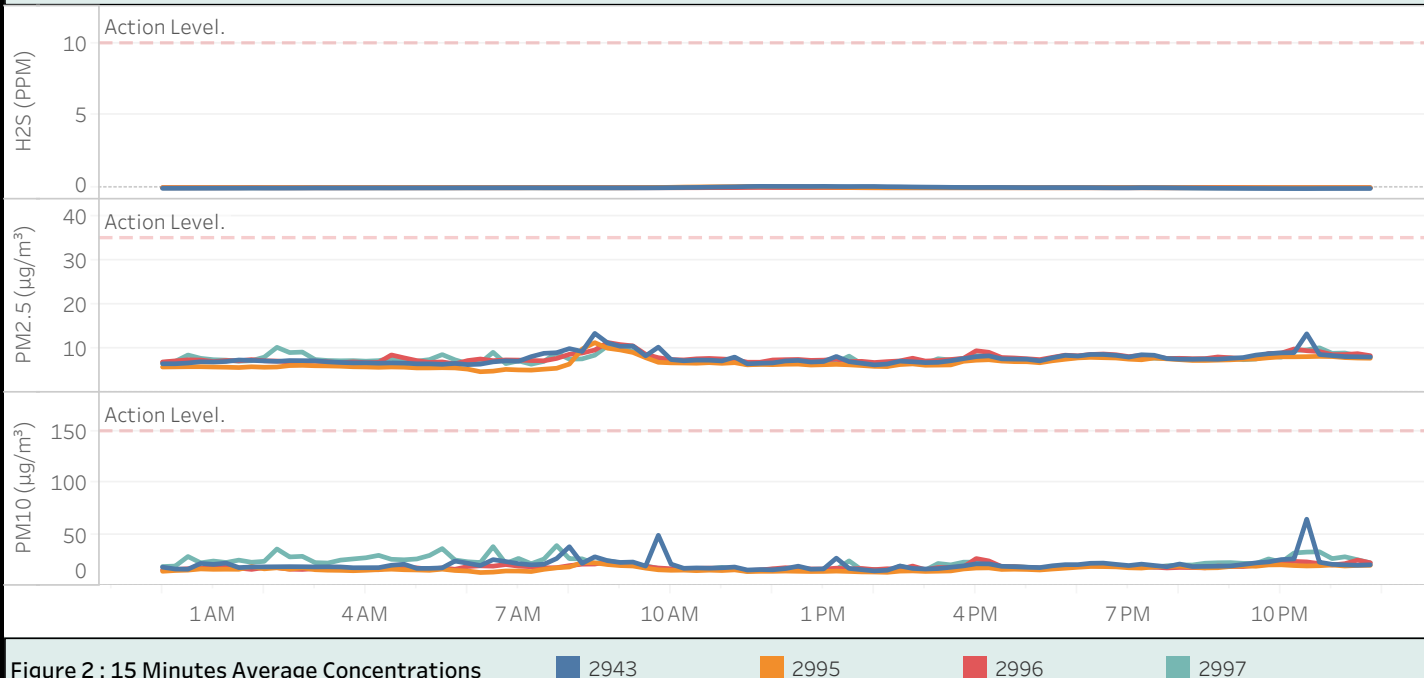


Figure 1 : Monitoring Locations





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Wind Rose Chart 2943

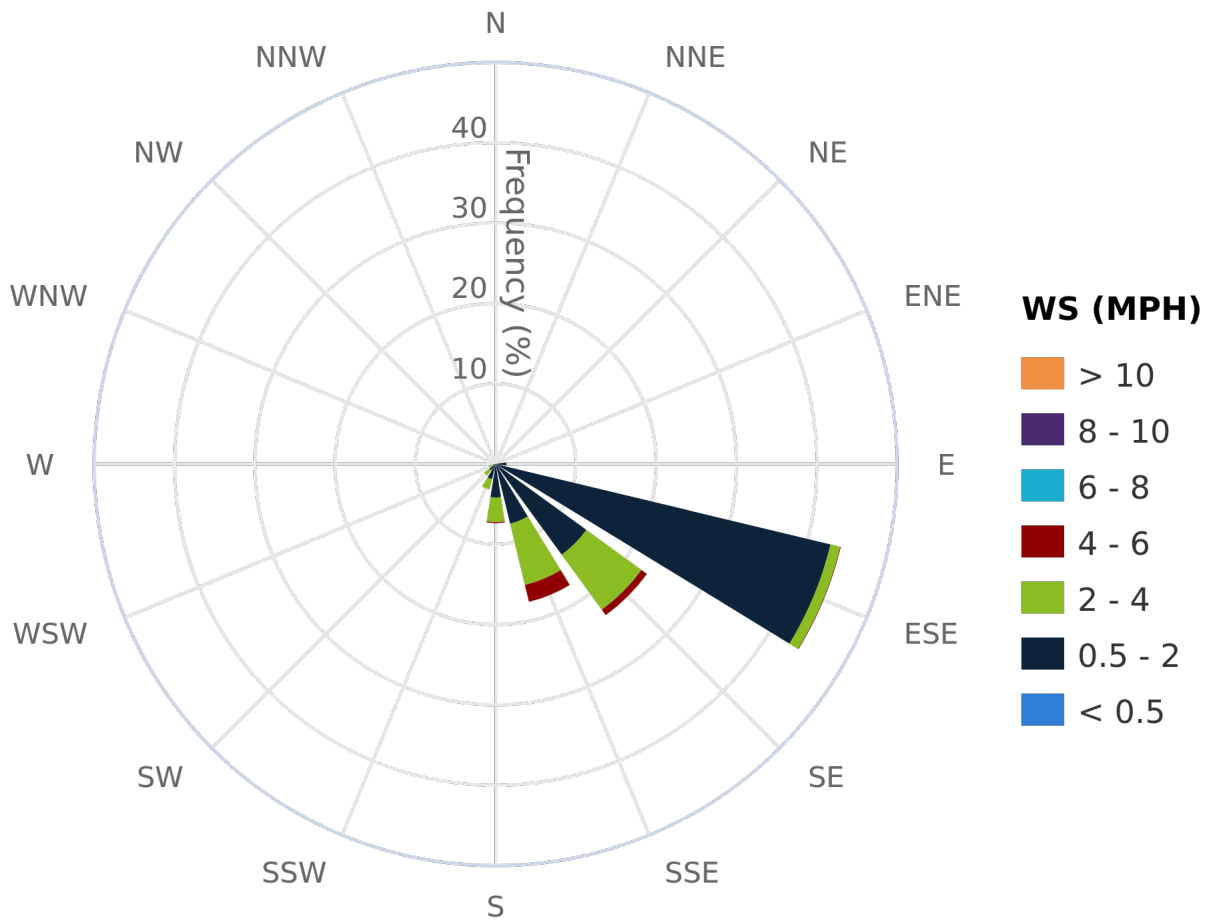


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

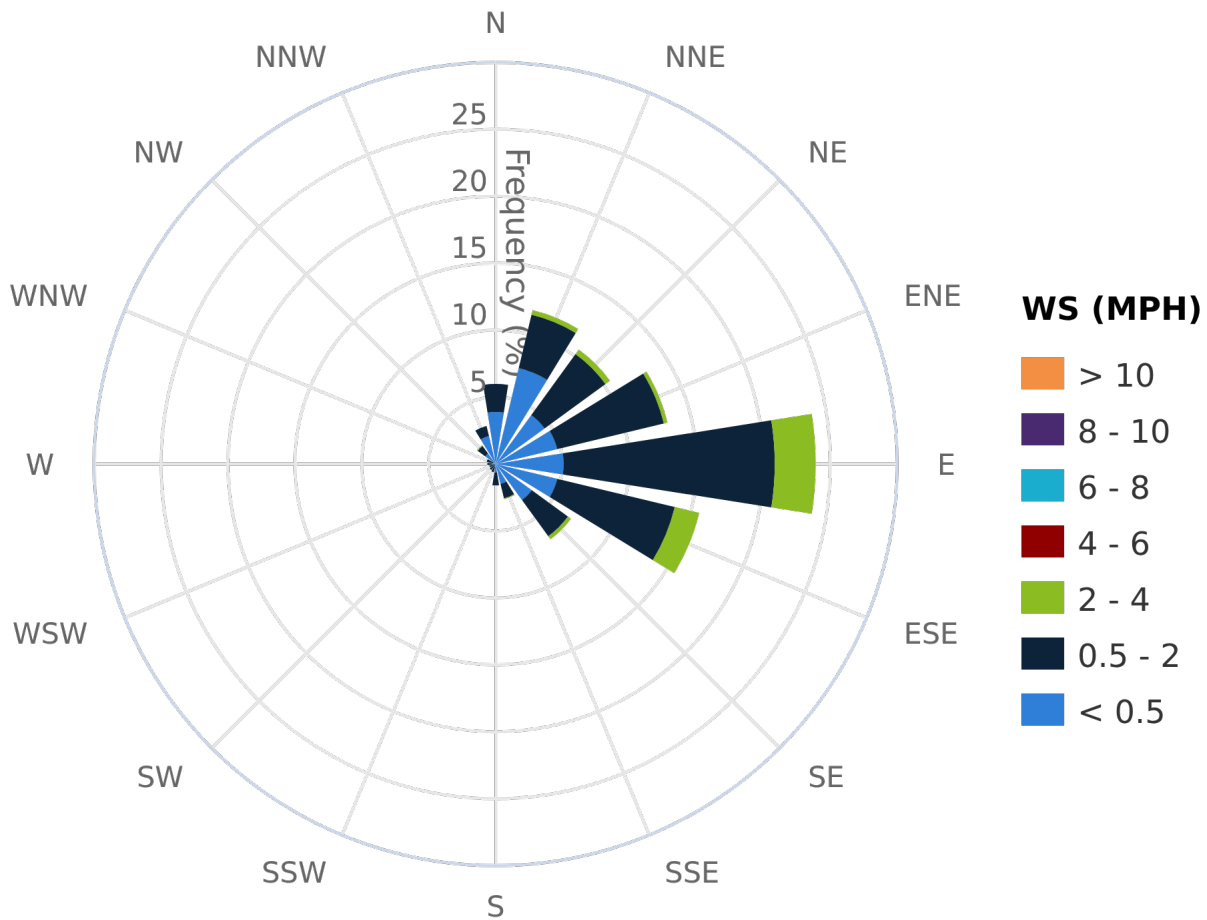


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

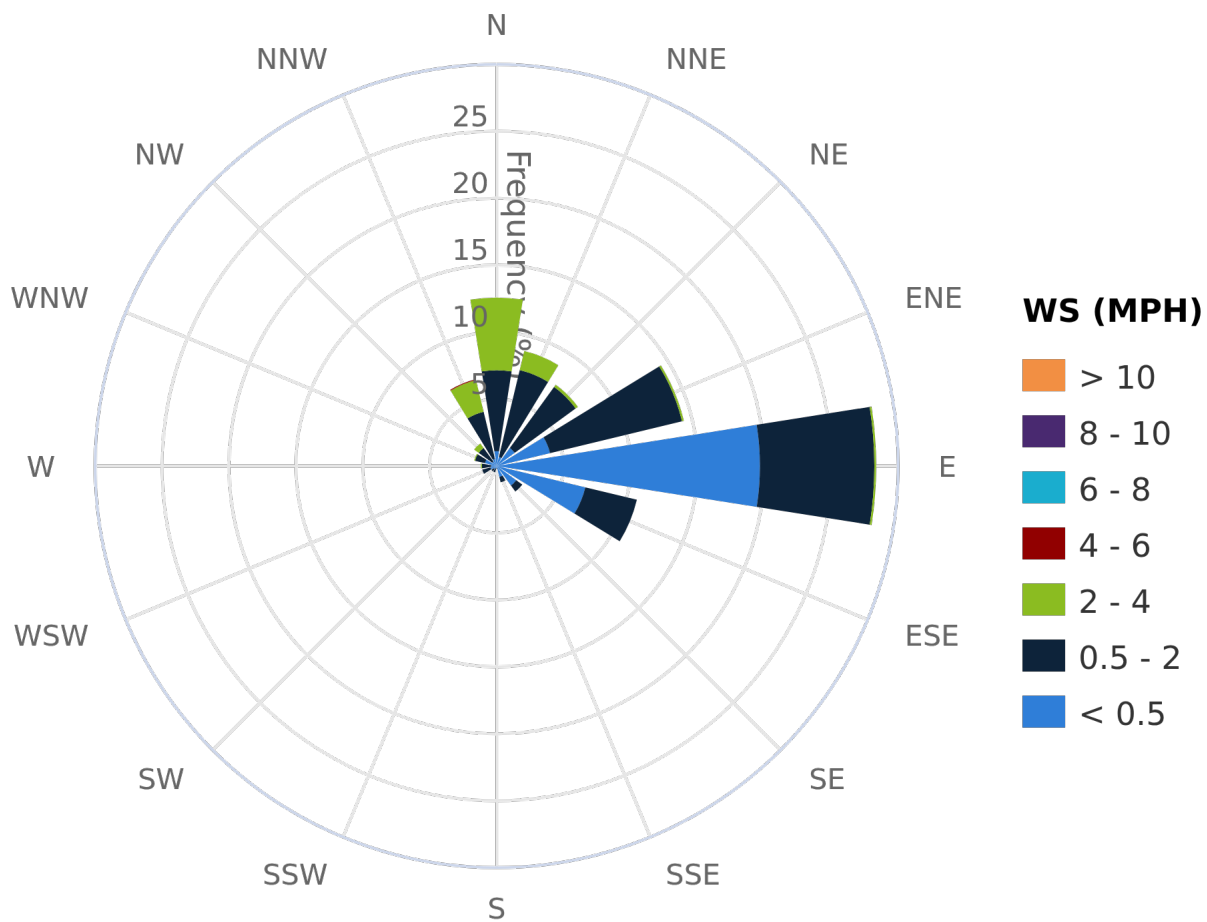


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

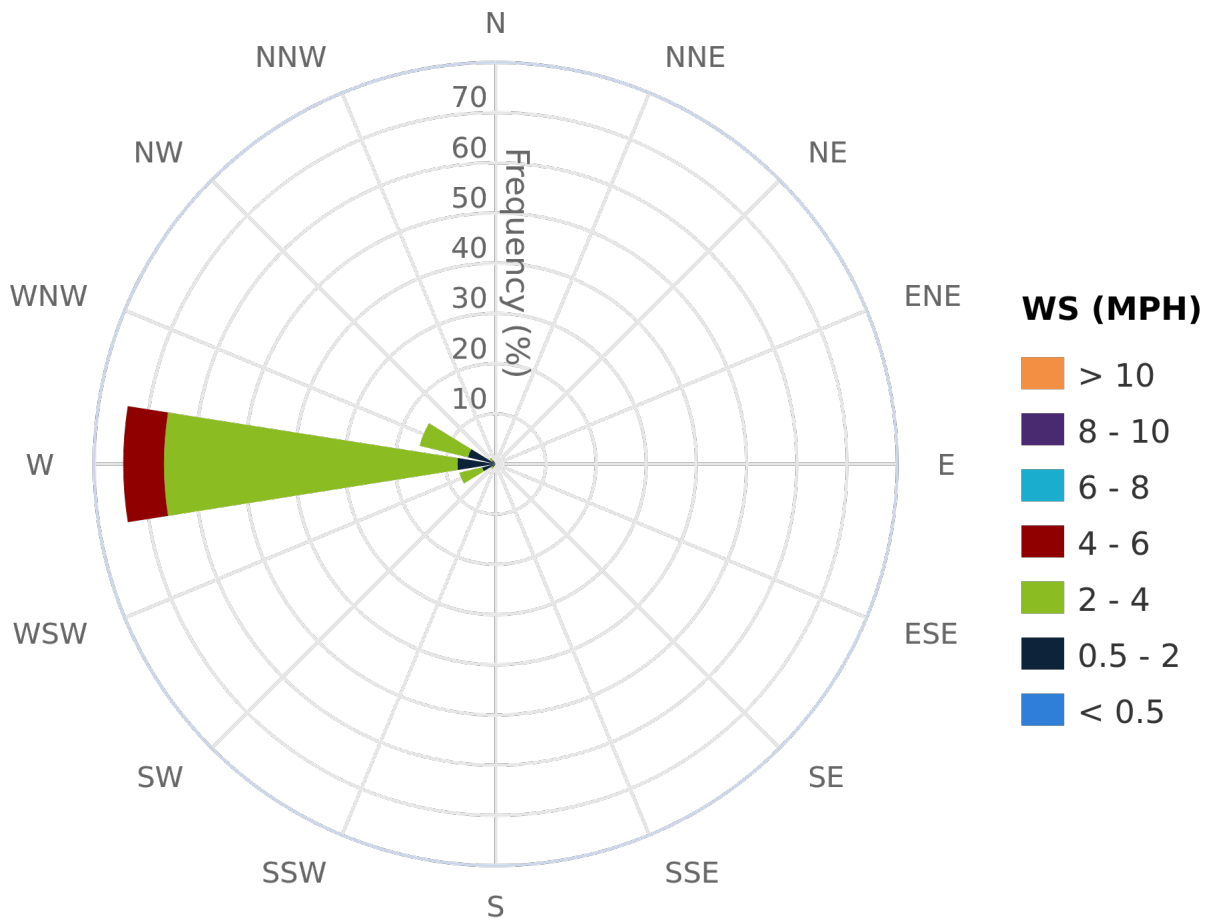


Figure 3 : Wind Rose Chart (WS in MPH)



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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	18.0	14.0	18.6	15.3	6.5	5.8	6.9	6.8	-0.040	0.000	0.002	0.000
00:15:00	16.2	14.8	19.1	15.8	6.5	5.8	7.2	7.1	-0.038	0.000	0.000	0.000
00:30:00	16.1	15.1	28.3	16.5	6.7	5.9	7.4	8.5	-0.037	0.000	0.000	0.000
00:45:00	21.7	16.3	22.2	16.8	7.0	5.9	7.4	7.8	-0.036	0.000	0.000	0.000
01:00:00	20.7	15.9	23.9	17.3	6.9	5.8	7.0	7.4	-0.034	0.000	0.000	0.000
01:15:00	22.0	16.0	22.5	17.9	7.0	5.7	7.3	7.3	-0.032	0.000	0.000	0.000
01:30:00	17.6	16.0	24.8	17.1	7.4	5.7	7.2	7.1	-0.031	0.000	0.001	0.000
01:45:00	18.2	18.6	22.8	15.9	7.3	5.8	7.5	7.2	-0.028	0.000	0.008	0.000
02:00:00	18.3	16.4	23.6	17.6	7.2	5.7	7.2	8.0	-0.027	0.000	0.000	0.000
02:15:00	18.4	17.4	35.6	17.6	7.1	5.8	7.1	10.2	-0.028	0.000	0.000	0.000
02:30:00	18.5	16.1	27.9	16.1	7.2	6.1	6.9	9.1	-0.026	0.000	0.000	0.000
02:45:00	18.4	17.4	28.5	15.8	7.2	6.2	7.0	9.2	-0.023	0.000	0.000	0.000
03:00:00	18.3	15.6	22.4	16.6	7.2	6.1	7.1	7.5	-0.018	0.000	0.000	0.000
03:15:00	18.4	15.1	22.0	16.2	7.0	6.0	7.0	7.3	-0.019	0.000	0.000	0.000
03:30:00	18.2	14.9	24.8	16.4	6.8	6.0	6.7	7.2	-0.018	0.000	0.000	0.000
03:45:00	17.5	14.6	26.0	15.9	6.7	5.8	6.9	7.2	-0.017	0.000	0.000	0.000
04:00:00	17.5	15.0	27.1	15.9	6.7	5.8	6.8	7.1	-0.016	0.000	0.000	0.000
04:15:00	17.6	15.6	29.4	15.5	6.7	5.7	6.8	7.2	-0.016	0.000	0.001	0.000
04:30:00	19.9	16.1	25.6	18.1	6.7	5.8	8.5	7.8	-0.016	0.000	0.000	0.000
04:45:00	20.9	15.5	25.1	17.7	6.7	5.8	7.9	7.0	-0.014	0.000	0.000	0.000
05:00:00	16.9	15.3	26.0	17.3	6.5	5.6	7.2	7.1	-0.013	0.000	0.000	0.000
05:15:00	16.9	15.0	29.4	16.0	6.5	5.6	6.8	7.5	-0.013	0.000	0.000	0.000
05:30:00	17.3	16.1	36.0	17.3	6.4	5.6	6.9	8.6	-0.014	0.000	0.003	0.000
05:45:00	23.9	14.8	24.9	16.0	6.6	5.6	6.5	7.4	-0.010	0.000	0.000	0.000
06:00:00	21.8	14.3	23.2	18.6	6.3	5.3	7.2	6.6	-0.008	0.000	0.003	0.000
06:15:00	19.6	12.8	22.5	19.3	6.4	4.7	7.6	6.7	-0.009	0.000	0.000	0.000
06:30:00	25.3	13.2	37.9	19.0	7.0	4.9	7.2	9.1	-0.007	0.000	0.000	0.000
06:45:00	23.4	14.3	21.6	20.6	7.2	5.3	7.4	6.6	-0.006	0.000	0.000	0.000
07:00:00	21.4	14.3	26.5	19.0	7.1	5.1	7.4	7.2	-0.006	0.000	0.000	0.000
07:15:00	20.3	13.8	21.3	18.4	8.1	5.1	7.2	6.4	-0.007	0.000	0.005	0.000
07:30:00	20.8	15.9	25.9	17.3	8.9	5.3	7.2	7.1	-0.008	0.000	0.003	0.000
07:45:00	26.4	17.4	38.9	17.5	9.0	5.5	7.7	9.0	-0.009	0.000	0.002	0.000
08:00:00	37.8	18.2	26.2	19.5	9.9	6.4	8.7	7.6	-0.008	0.000	0.000	0.000
08:15:00	21.7	22.4	26.1	20.9	9.3	9.8	8.9	7.6	-0.009	0.000	0.000	0.000
08:30:00	28.1	22.2	21.7	21.0	13.4	11.3	9.6	8.5	-0.009	0.000	0.000	0.000
08:45:00	24.3	20.6	24.3	23.2	11.3	10.0	11.3	10.6	-0.010	0.000	0.000	0.000
09:00:00	22.6	19.6	22.1	21.7	10.5	9.7	10.9	10.3	-0.009	0.000	0.000	0.000
09:15:00	23.0	19.1	20.9	21.3	10.5	9.1	10.6	9.3	-0.008	0.002	0.000	0.000
09:30:00	19.1	17.1	19.4	18.5	8.3	7.9	8.7	8.4	-0.008	0.008	0.000	0.000
09:45:00	48.9	15.5	16.7	17.2	10.3	6.9	7.9	7.5	-0.002	0.018	0.000	0.000
10:00:00	20.9	15.0	15.8	16.5	7.5	6.7	7.5	7.0	0.007	0.031	0.000	0.000
10:15:00	16.9	15.2	16.1	16.2	7.2	6.7	7.4	7.0	0.014	0.047	0.000	0.004
10:30:00	17.3	14.6	15.3	16.8	7.4	6.6	7.6	7.0	0.022	0.054	0.001	0.010
10:45:00	17.0	15.1	16.6	17.1	7.3	6.8	7.7	7.1	0.036	0.063	0.005	0.016
11:00:00	17.4	14.7	17.8	16.8	7.2	6.6	7.6	7.2	0.052	0.068	0.005	0.026
11:15:00	18.1	15.4	16.3	16.7	8.0	6.8	7.4	7.0	0.063	0.071	0.008	0.029
11:30:00	15.3	13.7	14.0	14.7	6.5	6.3	6.9	6.3	0.084	0.080	0.019	0.035
11:45:00	15.7	14.0	15.0	15.2	6.6	6.4	6.9	6.4	0.095	0.080	0.021	0.056



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	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	15.5	14.0	16.1	16.4	6.7	6.3	7.4	6.6	0.092	0.075	0.017	0.047
12:15:00	16.7	14.2	15.0	17.5	7.2	6.4	7.5	6.6	0.091	0.069	0.017	0.045
12:30:00	19.0	14.0	14.8	16.6	7.3	6.4	7.5	6.6	0.091	0.067	0.015	0.044
12:45:00	16.0	13.8	15.4	16.3	6.9	6.2	7.3	6.7	0.090	0.057	0.015	0.044
13:00:00	16.3	13.9	15.8	16.2	7.0	6.3	7.3	6.7	0.094	0.049	0.015	0.041
13:15:00	26.8	14.2	15.9	17.0	8.2	6.4	7.6	6.8	0.086	0.032	0.011	0.037
13:30:00	16.8	13.9	24.1	16.3	7.0	6.3	7.0	8.2	0.084	0.017	0.008	0.036
13:45:00	15.6	13.4	15.4	16.8	6.6	6.1	7.1	6.5	0.088	0.006	0.001	0.029
14:00:00	14.4	13.3	15.9	15.7	6.3	5.9	6.8	6.3	0.088	0.000	0.000	0.009
14:15:00	15.1	13.0	13.6	16.5	6.5	5.9	7.0	6.0	0.072	0.000	0.000	0.000
14:30:00	19.2	14.2	19.1	16.1	7.1	6.3	7.2	6.9	0.066	0.000	0.000	0.000
14:45:00	16.8	14.4	15.9	19.1	7.0	6.5	7.8	6.6	0.054	0.000	0.000	0.000
15:00:00	16.2	13.9	15.2	15.5	6.8	6.2	7.1	6.6	0.045	0.000	0.000	0.000
15:15:00	16.7	14.1	21.6	17.6	6.9	6.2	7.2	7.7	0.038	0.000	0.000	0.000
15:30:00	17.9	14.4	20.2	17.6	7.2	6.3	7.5	7.4	0.028	0.000	0.000	0.000
15:45:00	19.2	16.3	22.9	18.3	7.7	7.1	7.8	7.7	0.022	0.000	0.000	0.000
16:00:00	21.3	17.2	22.9	26.4	8.1	7.3	9.5	8.4	0.019	0.000	0.000	0.000
16:15:00	21.2	17.3	22.0	24.1	8.3	7.4	9.1	8.3	0.022	0.000	0.000	0.000
16:30:00	18.9	15.8	18.3	18.6	7.6	7.1	7.9	7.4	0.020	0.000	0.000	0.001
16:45:00	18.4	16.0	18.8	18.3	7.6	7.0	7.8	7.4	0.014	0.000	0.000	0.002
17:00:00	18.0	15.8	18.0	17.8	7.5	7.0	7.7	7.4	0.009	0.000	0.000	0.001
17:15:00	17.6	15.3	17.1	17.3	7.2	6.8	7.5	7.0	0.008	0.000	0.000	0.000
17:30:00	19.4	16.2	17.8	18.0	7.9	7.2	8.0	7.4	0.010	0.000	0.000	0.000
17:45:00	20.4	17.0	18.9	19.7	8.4	7.5	8.5	7.8	0.010	0.000	0.000	0.000
18:00:00	20.5	17.9	19.2	19.1	8.3	7.9	8.3	7.9	0.008	0.000	0.000	0.001
18:15:00	21.8	18.7	20.5	20.1	8.6	8.0	8.6	8.2	0.004	0.001	0.000	0.004
18:30:00	22.0	18.6	19.5	21.0	8.6	7.9	8.7	8.2	-0.003	0.001	0.000	0.002
18:45:00	20.7	18.3	19.5	19.6	8.4	7.8	8.6	8.2	-0.009	0.005	0.000	0.003
19:00:00	19.6	17.4	18.8	18.4	8.0	7.6	8.1	7.8	-0.008	0.004	0.000	0.000
19:15:00	20.9	17.1	18.8	18.6	8.6	7.4	8.4	7.9	0.003	0.002	0.000	0.002
19:30:00	19.6	18.3	18.0	18.0	8.4	7.8	8.2	7.8	0.000	0.000	0.000	0.002
19:45:00	18.4	18.6	19.4	17.3	7.7	7.6	7.7	7.7	-0.007	0.000	0.000	0.002
20:00:00	21.1	19.0	20.1	17.7	7.6	7.5	7.8	7.8	-0.016	0.000	0.000	0.002
20:15:00	18.6	18.0	20.1	17.6	7.5	7.3	7.7	7.6	-0.025	0.000	0.008	0.000
20:30:00	18.8	17.3	21.8	17.4	7.6	7.3	7.7	7.6	-0.033	0.000	0.014	0.000
20:45:00	19.0	17.5	22.3	19.0	7.6	7.3	8.1	7.7	-0.039	0.000	0.013	0.000
21:00:00	19.2	18.7	22.4	18.7	7.8	7.4	7.9	7.8	-0.043	0.000	0.012	0.000
21:15:00	20.6	19.2	21.7	18.6	7.9	7.6	7.7	7.4	-0.047	0.000	0.009	0.000
21:30:00	22.2	18.9	21.6	19.8	8.5	7.6	8.0	7.6	-0.051	0.000	0.002	0.000
21:45:00	23.2	20.2	26.0	22.6	8.8	7.9	8.8	8.3	-0.053	0.000	0.000	0.000
22:00:00	25.4	20.3	22.9	22.3	9.0	8.1	8.9	8.0	-0.056	0.000	0.000	0.000
22:15:00	26.0	19.6	31.7	23.6	9.0	8.1	9.9	9.5	-0.059	0.000	0.000	0.000
22:30:00	64.5	19.2	32.6	23.1	13.3	8.1	9.5	9.7	-0.059	0.000	0.000	0.000
22:45:00	22.8	19.4	32.9	21.5	8.6	8.2	9.3	10.1	-0.056	0.000	0.000	0.000
23:00:00	20.8	20.1	26.3	20.2	8.4	8.2	8.6	8.9	-0.053	0.000	0.000	0.000
23:15:00	20.2	19.2	28.1	21.4	8.1	7.9	8.6	9.0	-0.053	0.000	0.000	0.000
23:30:00	19.8	19.7	25.2	24.9	8.1	7.8	8.8	8.4	-0.052	0.000	0.000	0.000
23:45:00	20.3	19.8	22.2	22.3	8.1	7.8	8.4	8.1	-0.051	0.000	0.000	0.000



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Table 4 : Summary of Exceedances (greater than Action Level) - *None*