



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-08-12

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1790 Max : 13.11	2943 SE	2995 ENE	2996 E	2997 W	Min : 73.76 Max : 100.9	Min : 54.40 Max : 98.40	Min : 29.96 Max : 30.18

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	13.4	44.3	3.4	5.2	0.003	0.118
2995	11.1	26.5	2.9	4.3	0.013	0.106
2996	11.6	25.5	3.4	5.2	0.002	0.031
2997	30.3	120.9	4.5	10.4	0.009	0.075

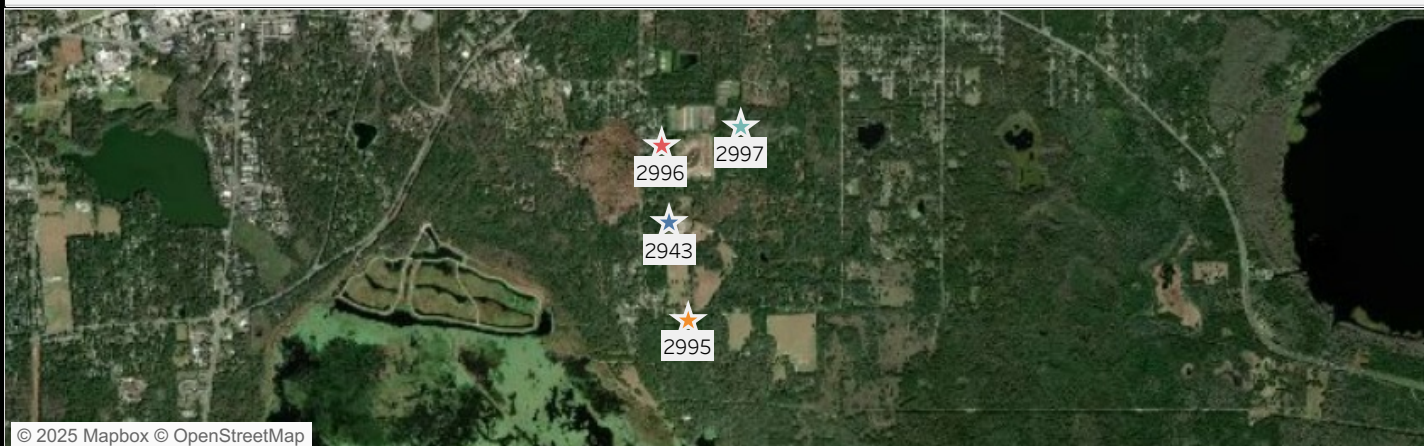
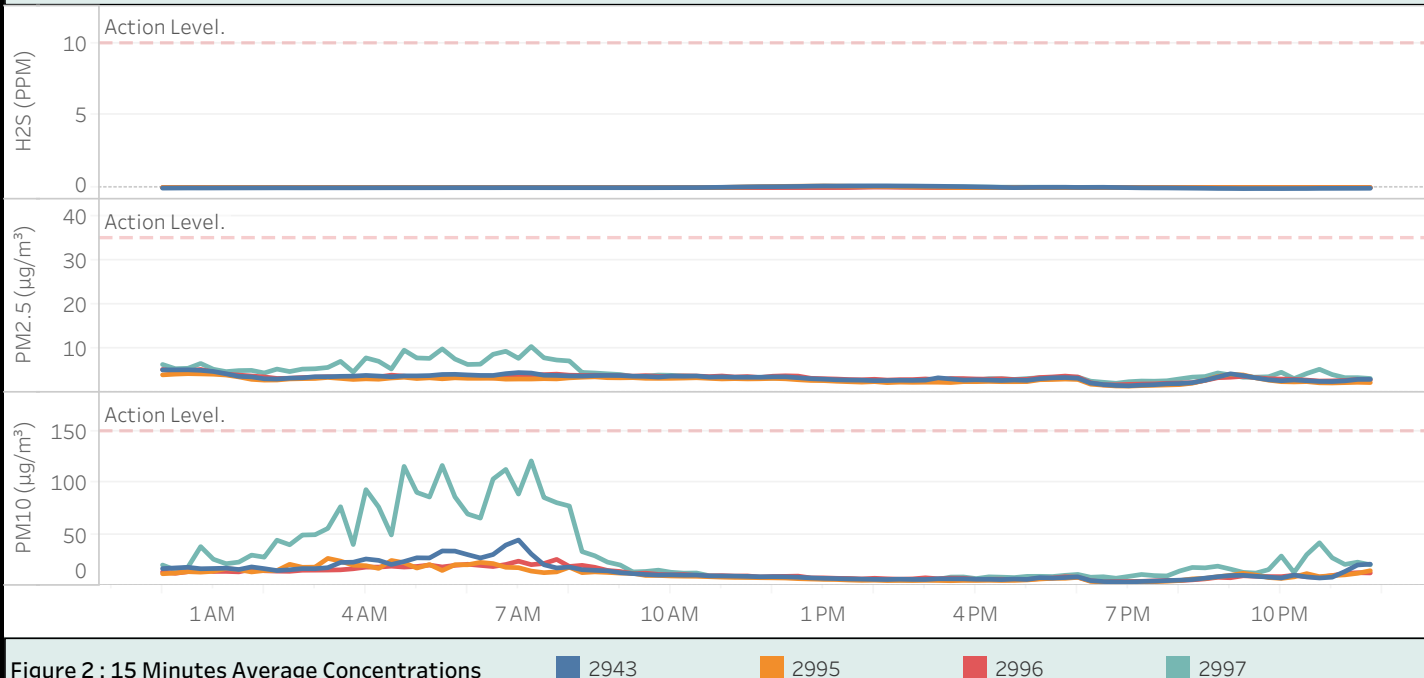


Figure 1 : Monitoring Locations





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Wind Rose Chart 2943

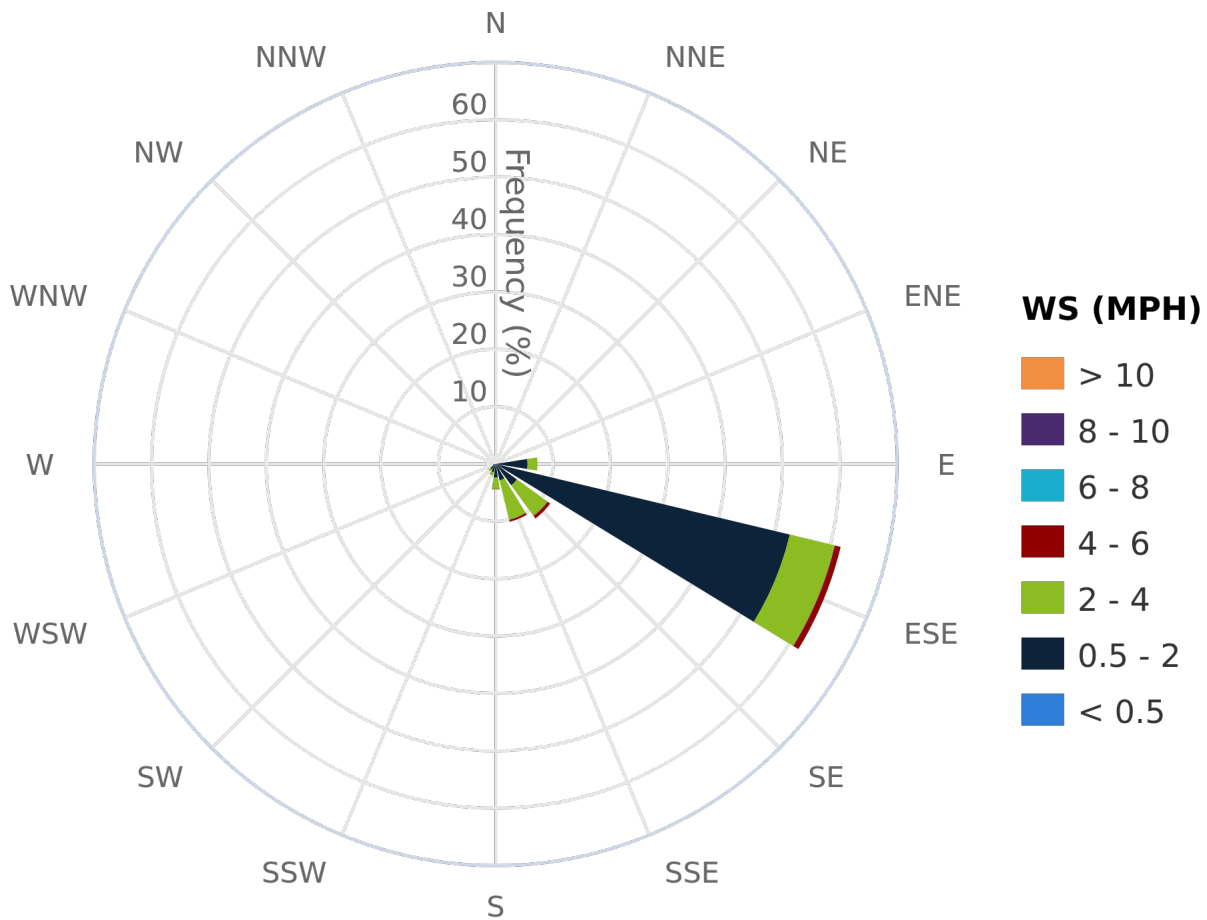


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

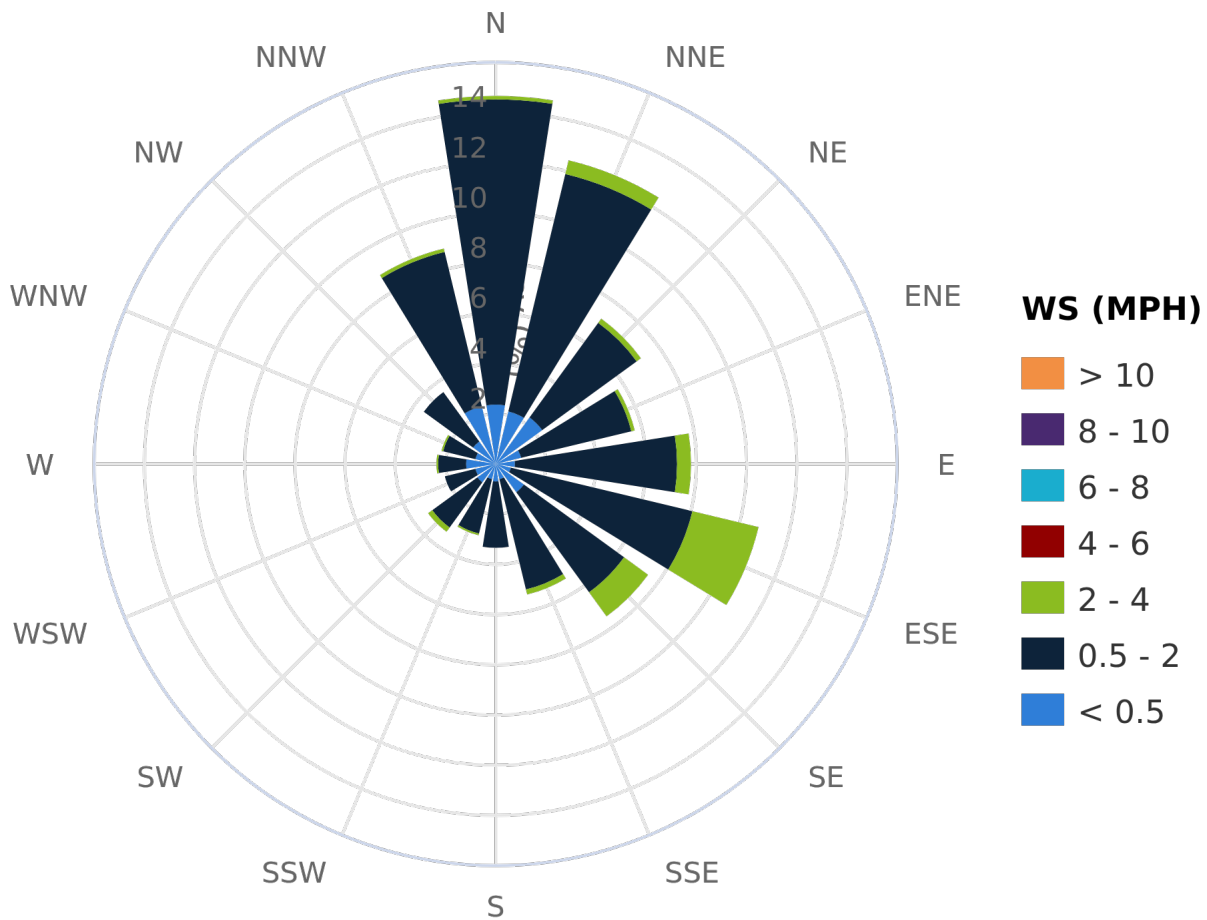


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

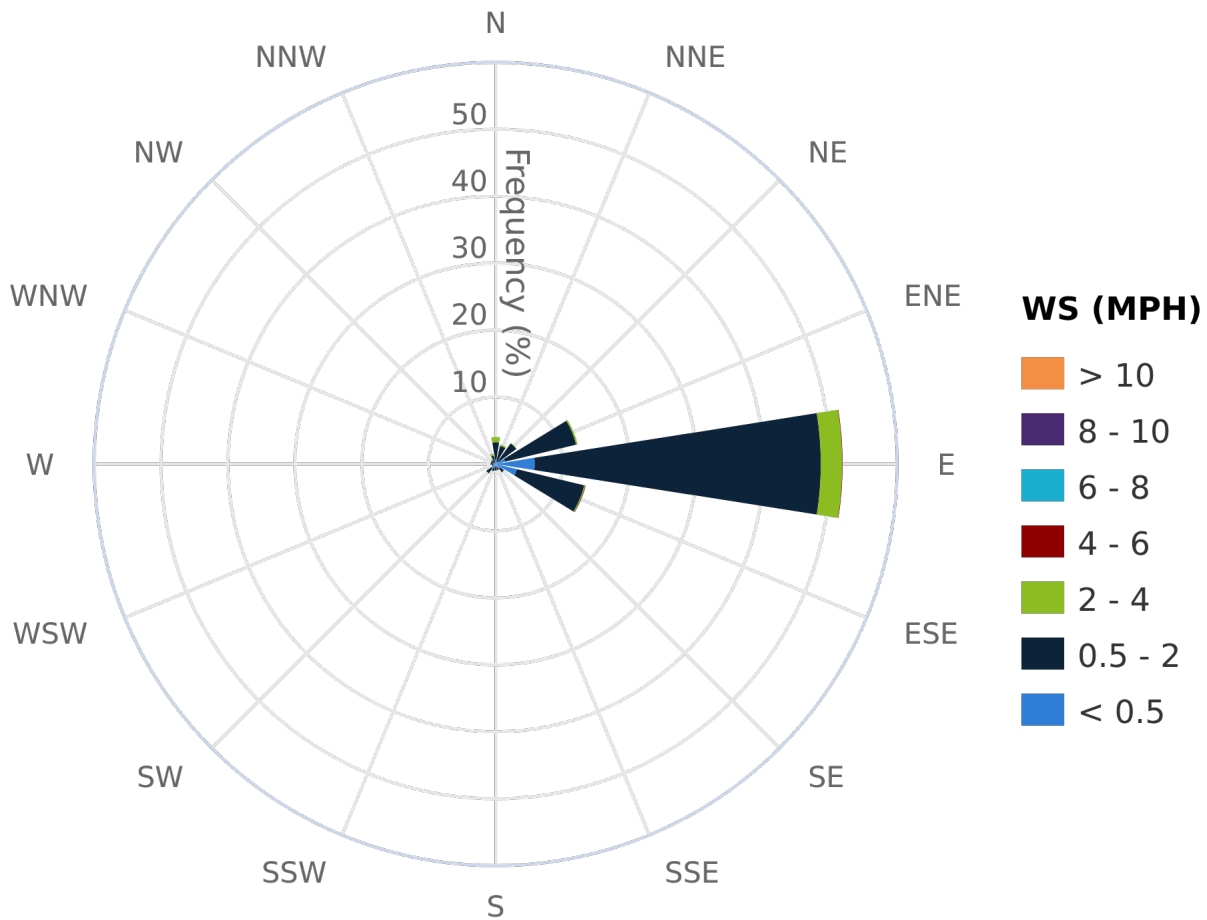


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

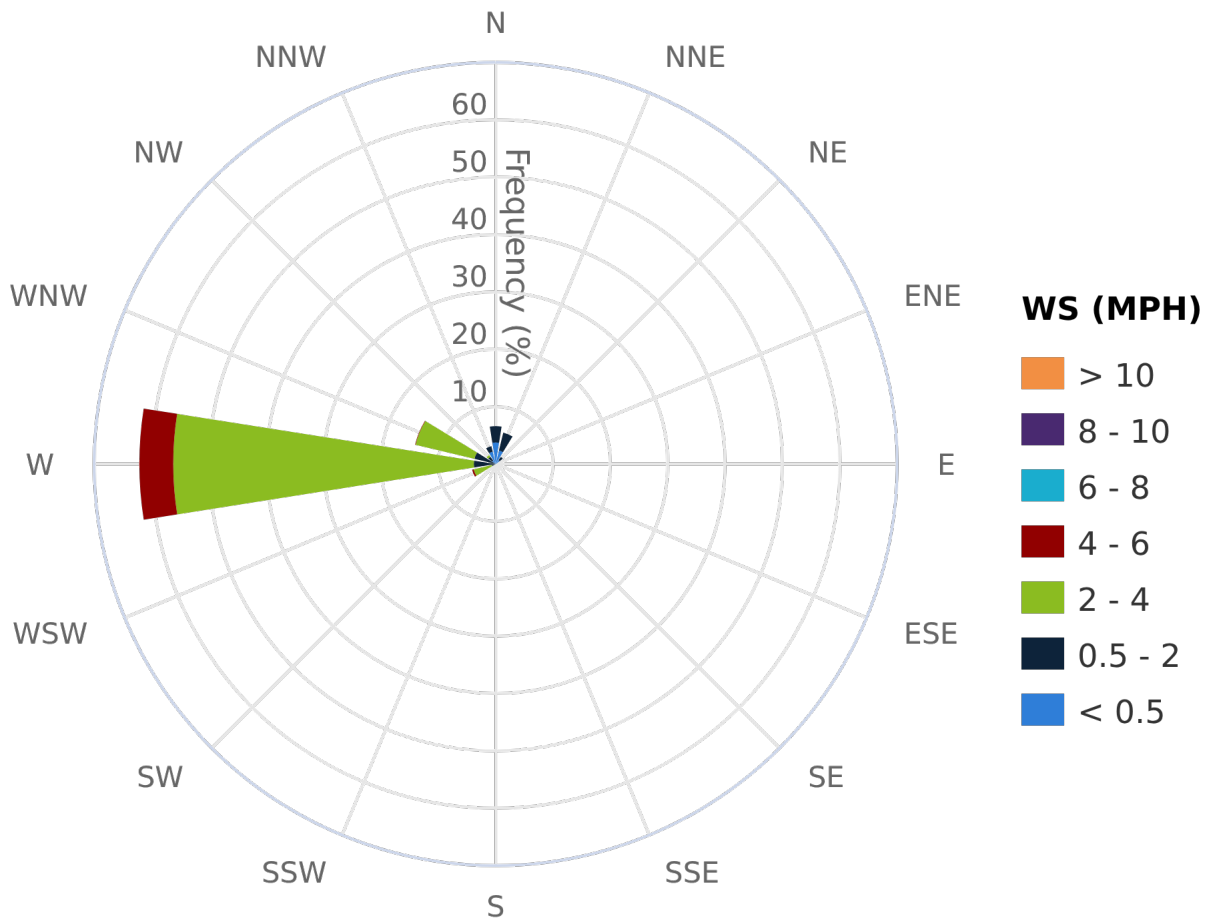


Figure 3 : Wind Rose Chart (WS in MPH)



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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	16.6	11.6	20.1	13.4	5.1	4.0	5.2	6.4	-0.039	0.000	0.000	0.000
00:15:00	17.3	12.3	15.3	12.1	5.1	4.2	4.8	5.4	-0.033	0.000	0.000	0.000
00:30:00	17.9	13.6	18.1	13.6	5.2	4.3	4.9	5.5	-0.029	0.000	0.000	0.000
00:45:00	16.5	13.2	37.9	16.0	5.0	4.2	5.2	6.6	-0.030	0.000	0.005	0.000
01:00:00	16.7	14.0	25.7	13.9	4.8	4.2	4.6	5.3	-0.028	0.000	0.000	0.000
01:15:00	17.0	16.7	21.4	13.9	4.3	4.0	4.2	4.7	-0.026	0.000	0.000	0.000
01:30:00	15.7	15.5	22.9	13.5	3.7	3.6	4.0	5.0	-0.025	0.000	0.000	0.000
01:45:00	18.2	13.4	29.7	16.0	3.6	3.0	3.8	5.0	-0.023	0.000	0.000	0.000
02:00:00	16.6	14.8	27.7	14.6	3.1	2.8	3.5	4.4	-0.022	0.000	0.000	0.000
02:15:00	14.7	14.7	44.1	14.2	3.1	2.9	3.2	5.3	-0.019	0.000	0.003	0.000
02:30:00	15.5	20.8	39.7	14.0	3.3	3.1	3.3	4.8	-0.020	0.000	0.002	0.000
02:45:00	16.6	17.9	49.1	15.0	3.4	3.2	3.4	5.3	-0.021	0.000	0.001	0.000
03:00:00	16.6	18.0	49.5	15.1	3.6	3.2	3.5	5.4	-0.020	0.000	0.004	0.000
03:15:00	17.5	26.5	55.5	15.2	3.6	3.4	3.6	5.7	-0.018	0.000	0.011	0.000
03:30:00	22.6	23.9	76.6	15.4	3.7	3.2	3.5	7.1	-0.018	0.000	0.003	0.000
03:45:00	22.8	19.9	39.9	16.5	3.7	3.0	3.5	4.7	-0.018	0.000	0.000	0.000
04:00:00	25.9	19.4	93.1	18.1	3.9	3.1	3.6	7.8	-0.016	0.000	0.000	0.000
04:15:00	24.6	16.8	76.2	18.1	3.7	3.0	3.6	7.1	-0.015	0.000	0.000	0.000
04:30:00	20.6	24.5	49.2	19.0	3.6	3.3	4.0	5.3	-0.014	0.000	0.001	0.000
04:45:00	23.5	22.2	115.6	18.1	3.8	3.5	3.7	9.6	-0.014	0.000	0.004	0.000
05:00:00	27.1	17.2	90.4	18.7	3.8	3.2	3.5	7.8	-0.013	0.000	0.000	0.000
05:15:00	26.9	20.5	86.0	20.1	3.9	3.3	3.5	7.7	-0.013	0.000	0.000	0.000
05:30:00	33.7	14.8	116.5	18.2	4.1	3.1	3.3	9.9	-0.012	0.000	0.000	0.000
05:45:00	33.6	20.4	86.1	19.8	4.1	3.4	3.4	7.6	-0.010	0.000	0.000	0.000
06:00:00	30.1	20.3	69.5	20.8	4.0	3.2	3.5	6.4	-0.010	0.000	0.000	0.000
06:15:00	26.9	22.6	65.5	19.7	3.9	3.2	3.4	6.4	-0.009	0.000	0.000	0.000
06:30:00	30.3	21.5	103.4	18.6	3.9	3.3	3.3	8.7	-0.010	0.000	0.000	0.000
06:45:00	39.4	17.9	112.7	20.6	4.3	3.0	3.5	9.3	-0.008	0.000	0.000	0.000
07:00:00	44.3	17.5	88.8	23.8	4.5	3.1	3.7	7.7	-0.008	0.000	0.000	0.000
07:15:00	30.8	14.2	120.9	20.4	4.4	3.1	4.1	10.4	-0.008	0.000	0.000	0.000
07:30:00	20.4	12.7	85.5	21.6	3.9	3.2	4.1	7.9	-0.009	0.000	0.000	0.000
07:45:00	17.3	13.5	80.5	25.5	3.9	3.1	4.2	7.4	-0.010	0.000	0.000	0.000
08:00:00	18.1	18.0	77.2	18.7	3.8	3.3	3.9	7.2	-0.009	0.000	0.000	0.000
08:15:00	15.6	12.7	33.1	19.8	3.8	3.5	3.9	4.6	-0.009	0.000	0.000	0.000
08:30:00	15.0	13.5	29.0	17.9	3.9	3.6	3.9	4.4	-0.009	0.000	0.000	0.000
08:45:00	14.5	12.9	22.9	14.8	3.9	3.4	3.8	4.3	-0.010	0.000	0.000	0.000
09:00:00	12.7	12.2	20.1	13.8	3.9	3.3	3.8	4.1	-0.010	0.000	0.000	0.000
09:15:00	11.8	12.1	13.4	11.8	3.7	3.4	3.7	3.6	-0.010	0.000	0.000	0.000
09:30:00	10.9	10.0	13.8	12.2	3.7	3.2	3.8	3.7	-0.010	0.000	0.000	0.000
09:45:00	10.4	10.0	15.1	11.0	3.5	3.2	3.7	4.0	-0.008	0.000	0.000	0.000
10:00:00	10.6	9.5	13.0	10.6	3.7	3.2	3.7	3.9	-0.006	0.000	0.000	0.000
10:15:00	10.3	9.3	12.2	10.9	3.7	3.3	3.8	3.8	-0.002	0.000	0.000	0.000
10:30:00	10.4	9.2	12.4	10.0	3.8	3.4	3.7	3.7	-0.001	0.004	0.000	0.000
10:45:00	9.6	8.8	9.7	9.5	3.5	3.2	3.6	3.4	0.009	0.004	0.000	0.000
11:00:00	9.5	8.4	9.2	9.8	3.6	3.1	3.8	3.3	0.020	0.012	0.000	0.000
11:15:00	9.3	8.1	9.0	9.4	3.5	3.2	3.5	3.2	0.036	0.027	0.000	0.000
11:30:00	9.1	8.1	8.3	9.5	3.5	3.1	3.6	3.2	0.050	0.046	0.000	0.000
11:45:00	8.7	7.8	8.4	8.4	3.5	3.1	3.4	3.4	0.060	0.061	0.000	0.000



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12:00:00	8.8	7.7	8.1	9.0	3.6	3.2	3.7	3.3	0.062	0.073	0.000	0.000
12:15:00	8.7	7.5	8.9	9.1	3.6	3.1	3.8	3.5	0.069	0.084	0.000	0.003
12:30:00	8.3	6.9	8.2	9.3	3.4	2.9	3.7	3.2	0.078	0.093	0.000	0.004
12:45:00	7.6	6.5	7.3	7.6	3.1	2.8	3.2	3.0	0.096	0.100	0.000	0.004
13:00:00	7.2	6.2	6.7	7.6	3.0	2.7	3.2	2.8	0.109	0.106	0.000	0.002
13:15:00	7.0	6.1	6.9	7.2	2.9	2.6	3.1	2.8	0.106	0.100	0.000	0.031
13:30:00	6.6	5.6	7.1	7.0	2.8	2.5	3.0	2.8	0.114	0.091	0.001	0.048
13:45:00	6.4	5.2	5.9	6.6	2.8	2.4	2.9	2.6	0.116	0.083	0.018	0.053
14:00:00	6.2	5.4	6.3	7.3	2.7	2.5	3.0	2.6	0.118	0.074	0.031	0.075
14:15:00	6.1	5.0	5.9	6.7	2.7	2.3	2.8	2.4	0.117	0.069	0.027	0.069
14:30:00	6.4	5.2	5.5	6.4	2.8	2.4	2.9	2.5	0.110	0.058	0.018	0.061
14:45:00	6.1	5.1	5.6	6.6	2.8	2.3	2.9	2.5	0.106	0.041	0.013	0.063
15:00:00	6.1	5.2	6.1	7.7	2.8	2.4	3.1	2.6	0.096	0.040	0.005	0.056
15:15:00	6.8	5.1	6.2	6.8	3.3	2.4	2.9	2.7	0.089	0.037	0.000	0.054
15:30:00	6.7	4.9	8.4	7.4	3.1	2.3	3.2	3.1	0.077	0.008	0.000	0.057
15:45:00	6.7	5.2	8.5	7.3	2.8	2.5	3.2	3.0	0.067	0.001	0.000	0.050
16:00:00	6.3	5.1	6.9	6.1	2.9	2.5	3.1	2.8	0.049	0.000	0.000	0.042
16:15:00	6.3	5.3	8.6	6.3	2.8	2.5	3.0	3.2	0.034	0.000	0.000	0.035
16:30:00	6.0	5.1	8.3	6.3	2.8	2.5	3.1	3.1	0.013	0.000	0.000	0.027
16:45:00	6.5	5.2	7.9	5.9	2.8	2.5	3.0	3.0	-0.006	0.000	0.000	0.027
17:00:00	6.2	5.6	9.1	6.0	2.8	2.5	3.0	3.2	0.008	0.000	0.000	0.026
17:15:00	7.9	6.6	9.2	7.0	3.1	2.9	3.4	3.4	0.019	0.000	0.000	0.021
17:30:00	7.4	7.2	8.9	7.5	3.3	3.0	3.5	3.3	0.019	0.002	0.000	0.021
17:45:00	8.0	7.2	10.1	8.7	3.4	3.1	3.7	3.4	0.022	0.002	0.000	0.016
18:00:00	8.6	8.2	11.0	8.3	3.3	3.0	3.5	3.5	0.010	0.003	0.000	0.012
18:15:00	5.0	4.2	8.3	4.9	2.2	1.9	2.2	2.6	0.015	0.000	0.000	0.017
18:30:00	4.1	3.7	8.7	3.8	1.8	1.7	1.7	2.3	0.018	0.005	0.000	0.018
18:45:00	3.8	3.3	7.3	4.0	1.6	1.5	1.8	2.1	0.006	0.000	0.012	0.010
19:00:00	3.7	3.4	9.1	4.2	1.6	1.5	1.9	2.5	-0.006	0.000	0.010	0.003
19:15:00	4.2	3.7	10.9	4.3	1.7	1.6	1.9	2.6	-0.020	0.000	0.005	0.000
19:30:00	4.5	4.0	9.8	4.7	1.8	1.7	2.0	2.6	-0.024	0.000	0.010	0.000
19:45:00	5.0	4.4	9.5	5.2	2.0	1.7	2.1	2.7	-0.026	0.000	0.002	0.000
20:00:00	5.4	5.1	14.3	5.1	2.0	1.8	2.2	3.1	-0.035	0.000	0.002	0.000
20:15:00	6.0	6.6	17.7	5.7	2.3	2.1	2.2	3.5	-0.042	0.000	0.000	0.000
20:30:00	7.4	7.2	17.3	6.7	2.8	2.8	2.8	3.6	-0.050	0.000	0.000	0.000
20:45:00	8.8	8.7	19.0	8.2	3.5	3.7	3.4	4.4	-0.062	0.000	0.000	0.000
21:00:00	9.9	10.1	16.1	7.8	4.3	4.1	3.5	4.0	-0.064	0.000	0.000	0.000
21:15:00	10.1	12.1	13.0	9.7	3.9	4.0	3.7	3.5	-0.071	0.000	0.000	0.000
21:30:00	9.2	10.4	12.3	9.2	3.3	3.3	3.4	3.5	-0.068	0.000	0.000	0.000
21:45:00	8.4	8.0	15.6	8.9	2.9	2.8	3.2	3.6	-0.069	0.000	0.000	0.000
22:00:00	7.6	7.1	28.8	8.8	2.7	2.5	3.1	4.6	-0.070	0.000	0.000	0.000
22:15:00	10.3	8.6	12.9	10.2	2.9	2.4	3.0	3.2	-0.066	0.000	0.000	0.000
22:30:00	8.6	11.7	30.2	8.8	2.7	2.5	2.8	4.3	-0.065	0.000	0.000	0.000
22:45:00	7.5	8.8	41.6	8.3	2.5	2.2	2.6	5.3	-0.057	0.000	0.000	0.000
23:00:00	8.3	9.9	27.1	9.9	2.5	2.2	2.7	4.1	-0.055	0.000	0.000	0.000
23:15:00	13.8	10.6	20.7	12.0	2.7	2.3	2.8	3.4	-0.053	0.000	0.000	0.000
23:30:00	20.1	12.1	22.9	12.6	3.0	2.3	3.0	3.4	-0.052	0.000	0.000	0.000
23:45:00	20.9	14.6	20.3	12.4	3.0	2.3	2.9	3.2	-0.048	0.000	0.000	0.000



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