



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-05

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.06700 Max : 12.89	2943 ESE	2995 NNE	2996 ESE	2997 N	Min : 66.56 Max : 104.5	Min : 39.50 Max : 91.40	Min : 29.73 Max : 30.20

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	13.8	98.0	4.0	13.5	-0.102	0.061
2995	9.8	75.0	3.6	13.3	0.005	0.049
2996	11.1	29.5	4.1	8.5	0.008	0.068
2997	10.4	21.4	3.9	7.0	0.003	0.031

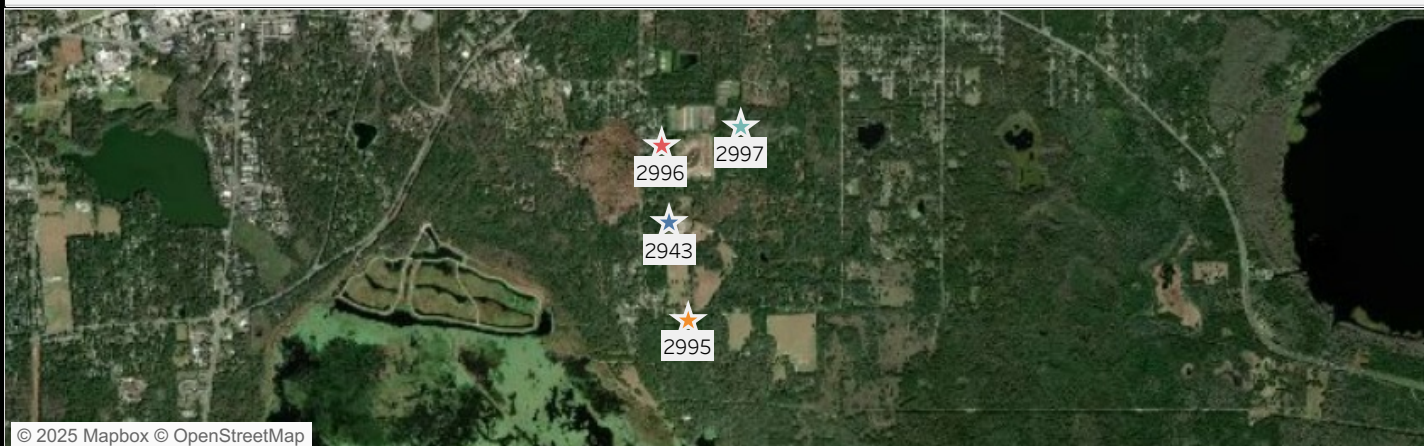


Figure 1 : Monitoring Locations

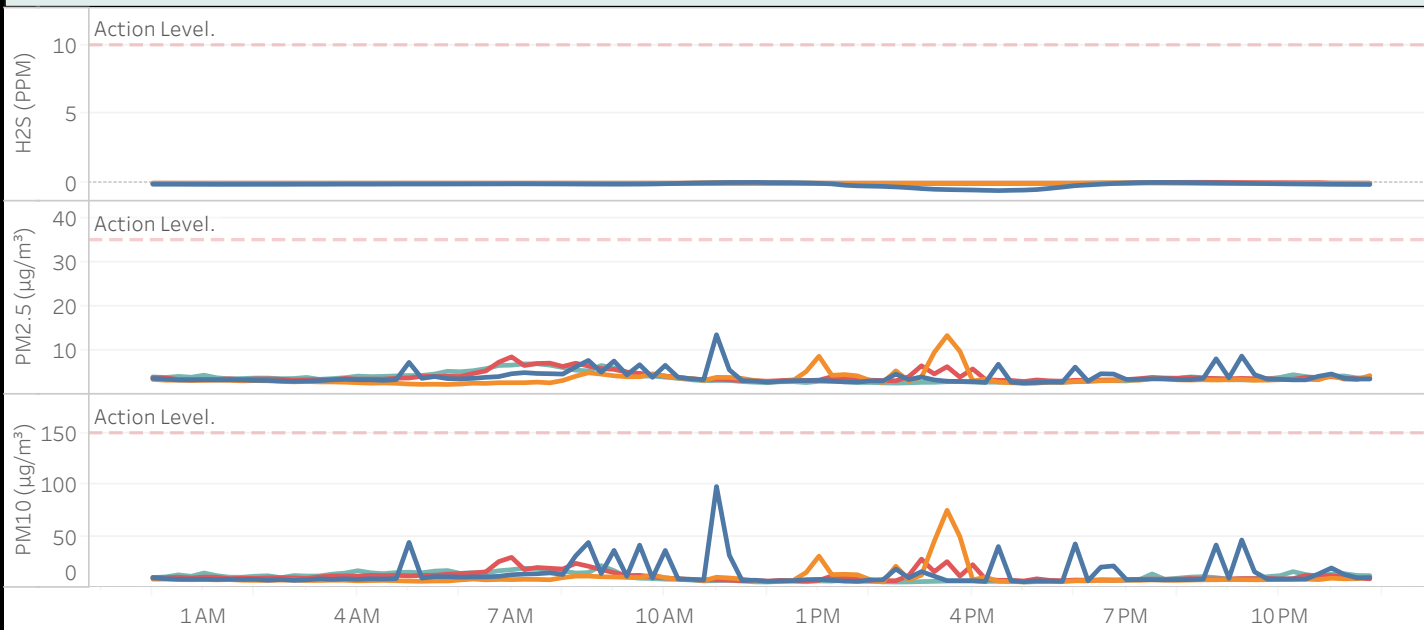


Figure 2 : 15 Minutes Average Concentrations

■ 2943 ■ 2995 ■ 2996 ■ 2997



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Wind Rose Chart 2943

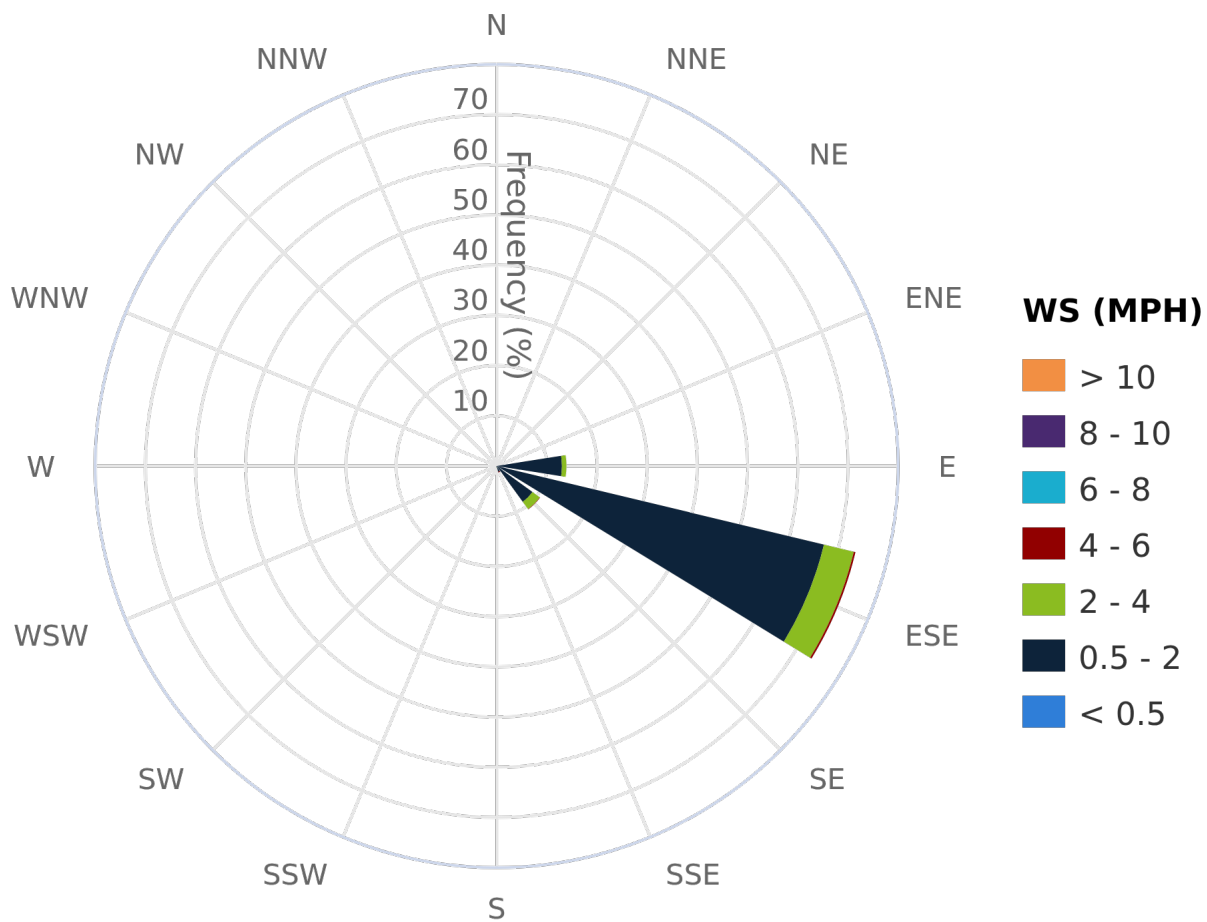


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

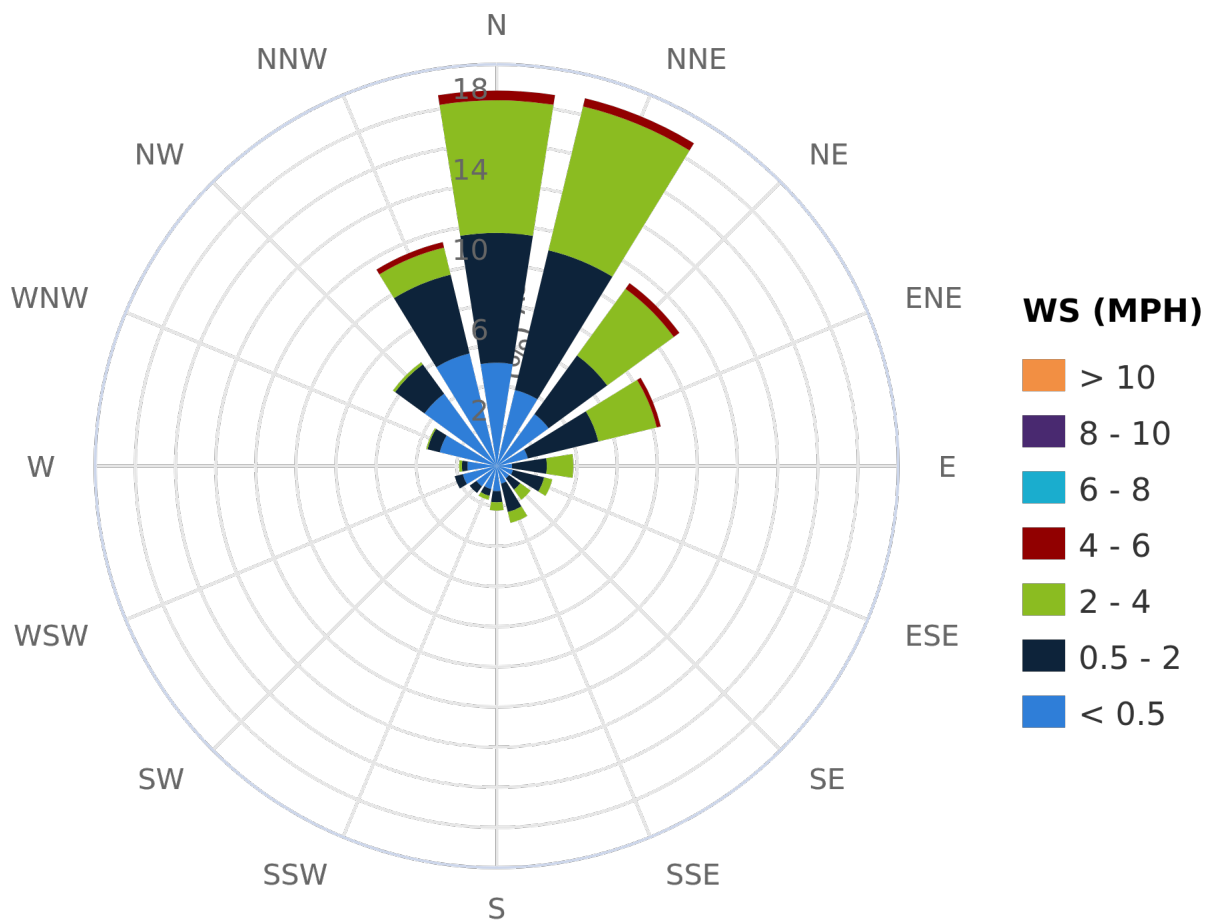


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

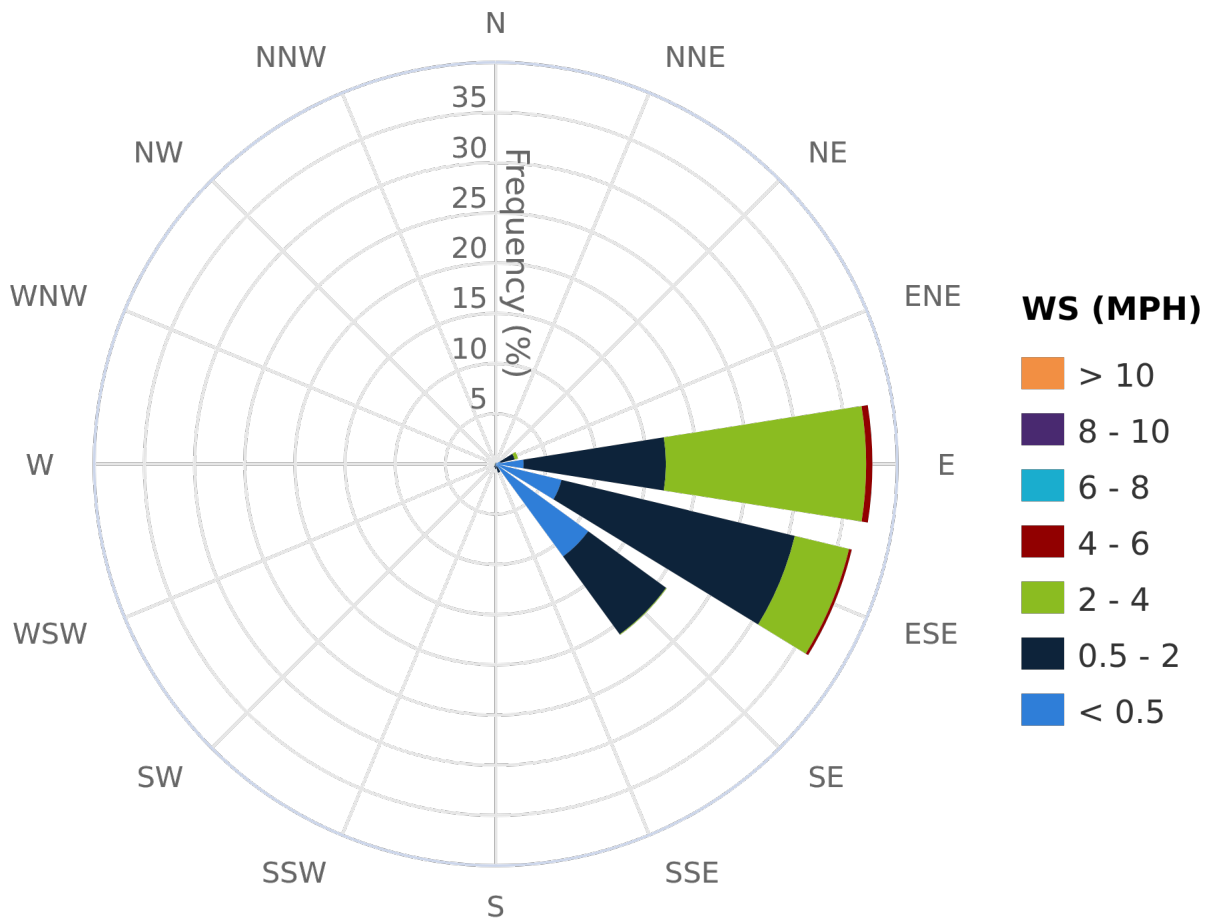


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

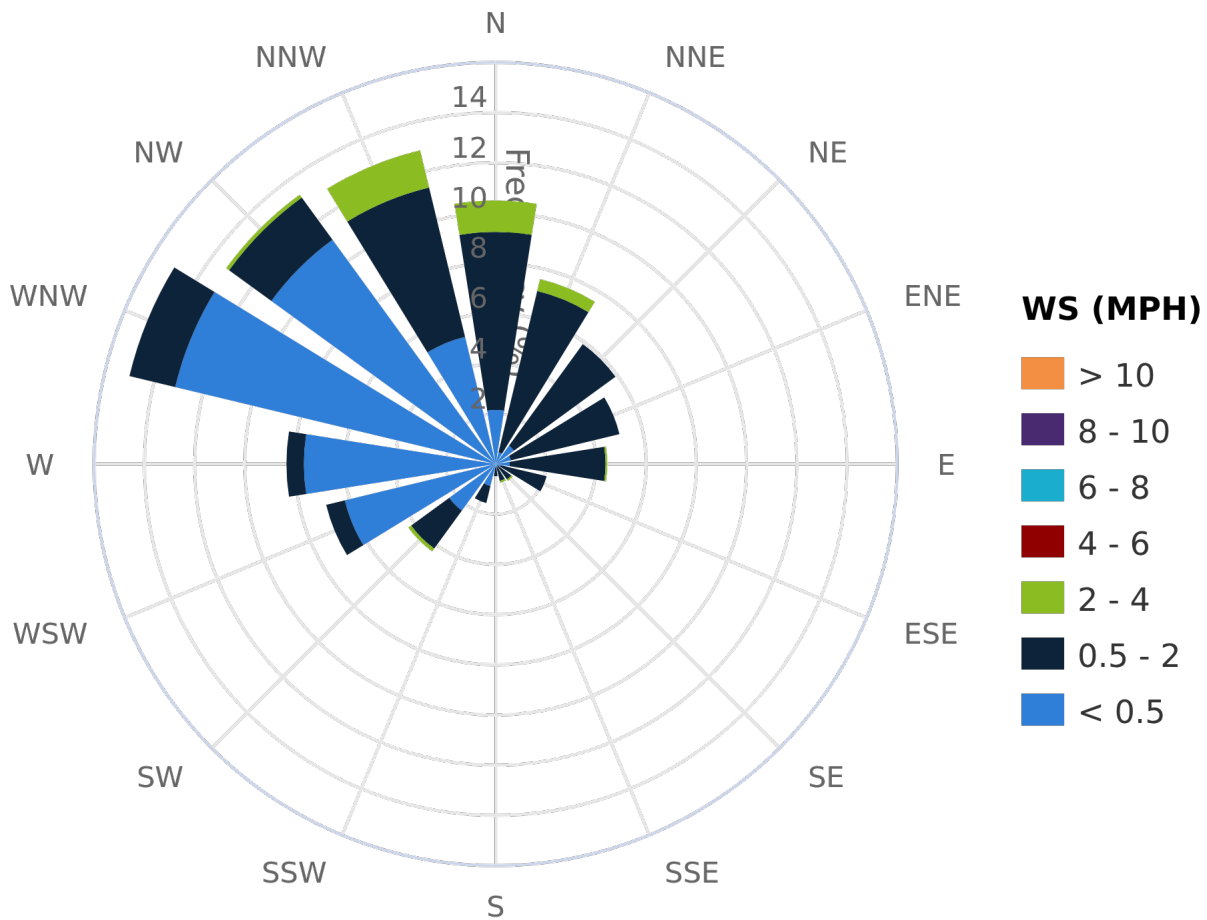


Figure 3 : Wind Rose Chart (WS in MPH)



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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	9.5	8.4	9.8	10.1	3.7	3.4	3.9	4.0	-0.073	0.000	0.002	0.000
00:15:00	8.8	8.4	10.5	9.8	3.5	3.3	3.8	3.9	-0.073	0.000	0.002	0.000
00:30:00	8.3	8.0	12.5	10.3	3.3	3.3	3.4	4.1	-0.075	0.000	0.000	0.000
00:45:00	8.3	7.8	11.1	9.5	3.3	3.2	3.4	3.9	-0.078	0.000	0.000	0.000
01:00:00	8.3	8.0	14.3	10.4	3.4	3.2	3.4	4.4	-0.079	0.000	0.000	0.000
01:15:00	8.1	7.7	11.7	10.1	3.3	3.3	3.4	3.8	-0.083	0.000	0.000	0.000
01:30:00	8.3	7.9	10.2	8.8	3.4	3.2	3.6	3.6	-0.081	0.000	0.000	0.000
01:45:00	8.1	7.3	10.2	9.4	3.3	3.1	3.4	3.6	-0.081	0.000	0.000	0.000
02:00:00	8.2	7.2	11.2	9.1	3.2	3.2	3.6	3.8	-0.080	0.000	0.000	0.000
02:15:00	7.3	7.2	11.6	9.6	3.2	3.1	3.6	3.7	-0.080	0.000	0.000	0.000
02:30:00	8.0	7.4	9.7	9.8	3.1	3.0	3.5	3.6	-0.078	0.000	0.000	0.000
02:45:00	7.2	7.5	11.8	9.6	3.0	2.9	3.3	3.6	-0.076	0.000	0.000	0.000
03:00:00	7.7	7.1	11.4	9.0	3.1	3.0	3.3	3.9	-0.073	0.000	0.000	0.000
03:15:00	8.7	7.1	11.4	10.6	3.2	2.9	3.4	3.5	-0.073	0.000	0.000	0.000
03:30:00	8.1	7.3	13.2	11.5	3.4	2.9	3.4	3.6	-0.069	0.000	0.000	0.000
03:45:00	8.6	7.3	14.2	11.5	3.5	2.8	3.7	3.8	-0.065	0.000	0.000	0.000
04:00:00	8.1	6.7	16.5	11.3	3.4	2.7	3.5	4.2	-0.067	0.000	0.000	0.000
04:15:00	8.7	7.0	14.5	12.1	3.4	2.6	3.5	4.1	-0.067	0.000	0.000	0.000
04:30:00	8.5	7.2	13.7	11.8	3.2	2.6	3.5	4.1	-0.064	0.000	0.000	0.000
04:45:00	8.9	6.8	14.7	12.1	3.4	2.6	3.7	4.2	-0.060	0.000	0.000	0.000
05:00:00	43.9	6.5	15.1	11.5	7.3	2.4	3.8	4.3	-0.059	0.000	0.000	0.000
05:15:00	9.4	6.3	14.5	12.0	3.7	2.3	4.2	4.3	-0.059	0.000	0.000	0.000
05:30:00	10.8	6.6	16.2	12.1	4.1	2.4	4.1	4.7	-0.057	0.000	0.000	0.000
05:45:00	10.7	6.6	16.7	13.2	3.6	2.3	4.1	5.3	-0.056	0.000	0.000	0.000
06:00:00	10.3	7.6	13.9	13.8	3.5	2.4	4.1	5.2	-0.055	0.000	0.000	0.000
06:15:00	10.5	8.5	14.7	14.3	3.7	2.6	4.8	5.4	-0.052	0.000	0.000	0.000
06:30:00	10.6	7.7	14.5	15.4	3.9	2.5	5.4	5.9	-0.050	0.000	0.000	0.000
06:45:00	11.1	8.1	16.4	25.3	4.1	2.7	7.3	6.6	-0.048	0.000	0.000	0.000
07:00:00	12.6	7.9	17.5	29.5	4.7	2.7	8.5	6.7	-0.045	0.000	0.000	0.000
07:15:00	13.3	8.2	18.9	17.7	5.0	2.7	6.6	6.9	-0.045	0.000	0.000	0.000
07:30:00	13.6	8.1	18.6	19.6	4.8	2.8	7.0	7.0	-0.048	0.000	0.000	0.000
07:45:00	14.4	7.8	17.6	18.9	4.7	2.7	7.1	6.7	-0.051	0.000	0.000	0.000
08:00:00	12.9	9.8	16.3	18.1	4.6	3.2	6.4	6.1	-0.054	0.000	0.000	0.000
08:15:00	30.8	11.2	14.3	23.7	6.3	4.2	7.1	5.5	-0.059	0.000	0.000	0.000
08:30:00	43.9	11.3	14.7	20.8	7.7	4.9	6.5	5.4	-0.064	0.000	0.000	0.000
08:45:00	13.8	10.7	21.4	17.7	5.1	4.6	5.9	6.6	-0.067	0.000	0.000	0.000
09:00:00	36.2	10.4	16.6	14.6	7.6	4.3	5.7	6.0	-0.069	0.000	0.000	0.000
09:15:00	11.2	10.1	10.4	11.8	4.5	4.0	5.1	5.1	-0.068	0.000	0.000	0.000
09:30:00	41.3	10.0	9.3	12.0	6.8	4.0	4.8	4.2	-0.064	0.000	0.000	0.000
09:45:00	9.5	12.4	8.9	10.5	3.9	4.7	4.5	4.2	-0.054	0.000	0.000	0.000
10:00:00	36.1	9.7	8.3	9.5	6.6	4.2	4.2	3.9	-0.035	0.000	0.000	0.000
10:15:00	8.6	8.4	8.1	8.8	3.9	3.7	4.0	3.7	-0.014	0.000	0.000	0.000
10:30:00	8.2	8.2	7.5	7.9	3.6	3.7	3.6	3.4	0.009	0.011	0.000	0.000
10:45:00	7.5	6.9	6.6	7.6	3.4	3.2	3.4	3.1	0.026	0.028	0.000	0.000
11:00:00	98.0	10.2	6.9	7.7	13.5	3.9	3.5	3.2	0.039	0.047	0.001	0.001
11:15:00	31.5	9.5	7.1	7.4	5.6	3.9	3.4	3.2	0.054	0.049	0.003	0.008
11:30:00	7.0	8.5	6.5	6.8	3.2	3.7	3.2	3.0	0.054	0.045	0.001	0.013
11:45:00	7.3	6.7	5.7	7.0	3.1	3.2	3.1	2.8	0.061	0.036	0.000	0.020



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12:00:00	6.3	6.1	5.6	6.4	2.8	2.9	3.0	2.7	0.046	0.023	0.000	0.012
12:15:00	6.7	6.2	6.1	7.2	3.0	3.0	3.2	2.9	0.041	0.017	0.000	0.013
12:30:00	6.9	7.2	6.2	7.0	3.2	3.2	3.3	2.9	0.035	0.010	0.000	0.013
12:45:00	7.8	14.8	5.8	6.8	3.2	5.2	3.2	2.7	0.020	0.003	0.000	0.008
13:00:00	8.1	30.6	6.6	7.2	3.2	8.7	3.3	3.0	-0.008	0.006	0.000	0.000
13:15:00	7.3	12.8	6.4	11.4	3.1	4.4	4.0	3.0	-0.047	0.000	0.000	0.000
13:30:00	6.4	13.0	7.3	9.4	2.9	4.5	3.6	3.0	-0.141	0.000	0.000	0.000
13:45:00	6.2	12.6	6.2	9.2	2.8	4.2	3.4	2.7	-0.188	0.000	0.000	0.000
14:00:00	7.6	7.9	6.1	7.0	3.1	3.2	3.3	2.7	-0.208	0.000	0.000	0.000
14:15:00	7.8	5.7	5.7	7.0	3.1	2.7	3.2	2.7	-0.229	0.000	0.000	0.000
14:30:00	18.2	20.9	5.6	6.8	4.6	5.4	3.1	2.6	-0.269	0.000	0.000	0.000
14:45:00	9.6	7.8	5.7	11.7	3.4	3.1	4.0	2.7	-0.320	0.000	0.000	0.000
15:00:00	15.7	12.2	6.0	27.8	4.0	4.0	6.5	2.8	-0.386	0.000	0.000	0.000
15:15:00	11.2	45.1	6.2	15.6	3.3	9.6	4.7	2.8	-0.437	0.000	0.000	0.000
15:30:00	6.9	75.0	6.5	25.3	3.0	13.3	6.3	2.9	-0.460	0.000	0.000	0.000
15:45:00	6.9	49.5	6.6	11.3	3.0	9.8	4.0	2.9	-0.477	0.000	0.000	0.000
16:00:00	6.9	7.6	6.5	22.3	2.9	3.1	5.8	2.8	-0.492	0.000	0.000	0.000
16:15:00	6.1	10.2	6.1	8.4	2.8	3.5	3.4	2.8	-0.514	0.000	0.000	0.000
16:30:00	39.9	6.3	6.3	7.2	6.9	2.8	3.2	2.8	-0.533	0.000	0.000	0.000
16:45:00	6.8	6.0	6.5	7.3	2.8	2.7	3.2	2.8	-0.512	0.000	0.000	0.000
17:00:00	5.8	5.8	5.5	6.6	2.7	2.6	3.0	2.6	-0.496	0.000	0.000	0.000
17:15:00	6.7	6.0	5.9	8.7	2.7	2.7	3.3	2.6	-0.457	0.000	0.000	0.000
17:30:00	6.5	6.3	6.3	7.2	2.8	2.8	3.1	2.8	-0.372	0.000	0.000	0.000
17:45:00	6.2	6.2	6.4	6.9	2.8	2.8	3.0	2.8	-0.278	0.000	0.000	0.000
18:00:00	42.5	6.9	6.7	7.5	6.2	3.0	3.2	2.9	-0.176	0.005	0.000	0.000
18:15:00	6.8	7.1	6.6	7.4	3.0	3.1	3.2	3.0	-0.123	0.018	0.000	0.000
18:30:00	20.0	7.1	7.9	7.3	4.7	3.1	3.3	3.1	-0.070	0.028	0.000	0.013
18:45:00	21.1	7.1	7.5	7.4	4.7	3.2	3.3	3.1	-0.020	0.027	0.000	0.021
19:00:00	7.8	7.6	7.1	7.7	3.4	3.3	3.4	3.1	0.016	0.025	0.002	0.026
19:15:00	7.9	7.2	7.8	8.2	3.5	3.3	3.6	3.4	0.044	0.027	0.023	0.029
19:30:00	7.8	7.7	13.4	8.4	3.6	3.6	3.9	3.8	0.056	0.020	0.047	0.031
19:45:00	7.6	7.4	8.1	8.3	3.6	3.5	3.8	3.6	0.056	0.014	0.060	0.031
20:00:00	7.8	7.2	9.3	8.3	3.4	3.3	3.7	3.6	0.050	0.008	0.064	0.027
20:15:00	7.9	7.5	10.3	9.0	3.4	3.3	3.9	4.0	0.043	0.003	0.066	0.022
20:30:00	8.4	7.7	10.8	8.5	3.7	3.4	3.7	3.8	0.031	0.000	0.068	0.015
20:45:00	41.4	7.8	9.8	8.6	8.1	3.3	3.6	3.6	0.018	0.000	0.065	0.011
21:00:00	9.2	7.9	8.3	8.5	3.8	3.4	3.6	3.4	0.006	0.000	0.056	0.007
21:15:00	46.3	7.9	8.7	8.9	8.7	3.4	3.7	3.3	-0.006	0.000	0.051	0.000
21:30:00	15.4	7.7	9.0	8.8	4.5	3.3	3.6	3.3	-0.017	0.000	0.044	0.000
21:45:00	8.4	7.8	10.8	9.1	3.5	3.3	3.6	3.6	-0.029	0.000	0.040	0.000
22:00:00	8.4	8.0	11.8	8.5	3.5	3.4	3.5	3.9	-0.040	0.000	0.039	0.000
22:15:00	8.4	8.1	15.6	8.8	3.3	3.4	3.5	4.5	-0.051	0.000	0.037	0.000
22:30:00	8.5	8.3	12.8	11.9	3.4	3.5	3.9	4.1	-0.058	0.000	0.034	0.000
22:45:00	13.4	7.9	11.2	11.4	4.1	3.4	3.9	3.8	-0.069	0.000	0.040	0.000
23:00:00	19.2	9.3	13.4	11.8	4.7	4.3	4.1	4.1	-0.079	0.000	0.008	0.000
23:15:00	12.9	8.6	13.7	10.3	3.7	3.5	3.8	4.2	-0.083	0.000	0.007	0.000
23:30:00	9.6	8.8	11.9	9.5	3.5	3.4	3.6	3.8	-0.087	0.000	0.005	0.000
23:45:00	9.9	10.3	11.8	8.7	3.6	4.3	3.6	3.8	-0.090	0.000	0.000	0.000



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