



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-27

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.02200 Max : 5.704	2943 ESE	2693 SSW	2996 SE	2997 NW	Min : 71.24 Max : 94.28	Min : 55.70 Max : 97.30	Min : 29.78 Max : 30.33

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)
2693	16.6	47.2	3.6	11.4	0.000	0.001
2943	21.8	54.8	3.7	9.0	0.007	0.126
2996	15.0	35.2	3.5	6.4	0.005	0.036
2997	28.3	95.4	4.5	8.6	0.003	0.030



Figure 1 : Monitoring Locations

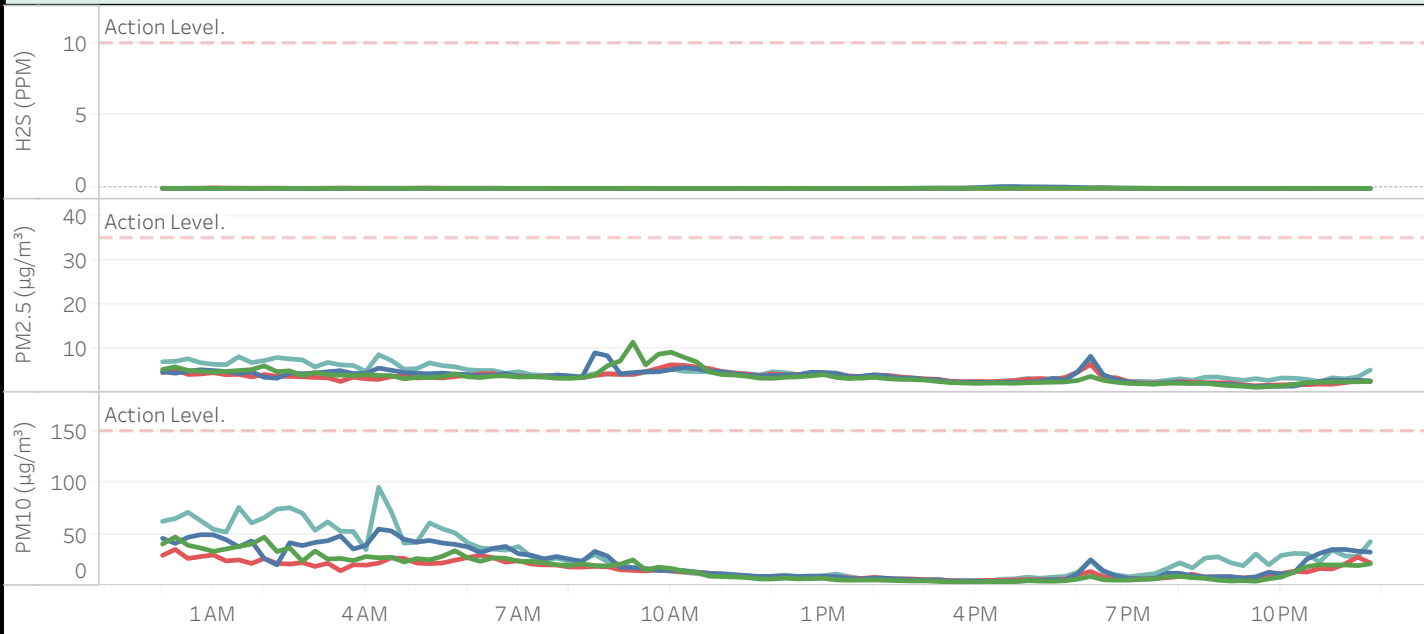


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

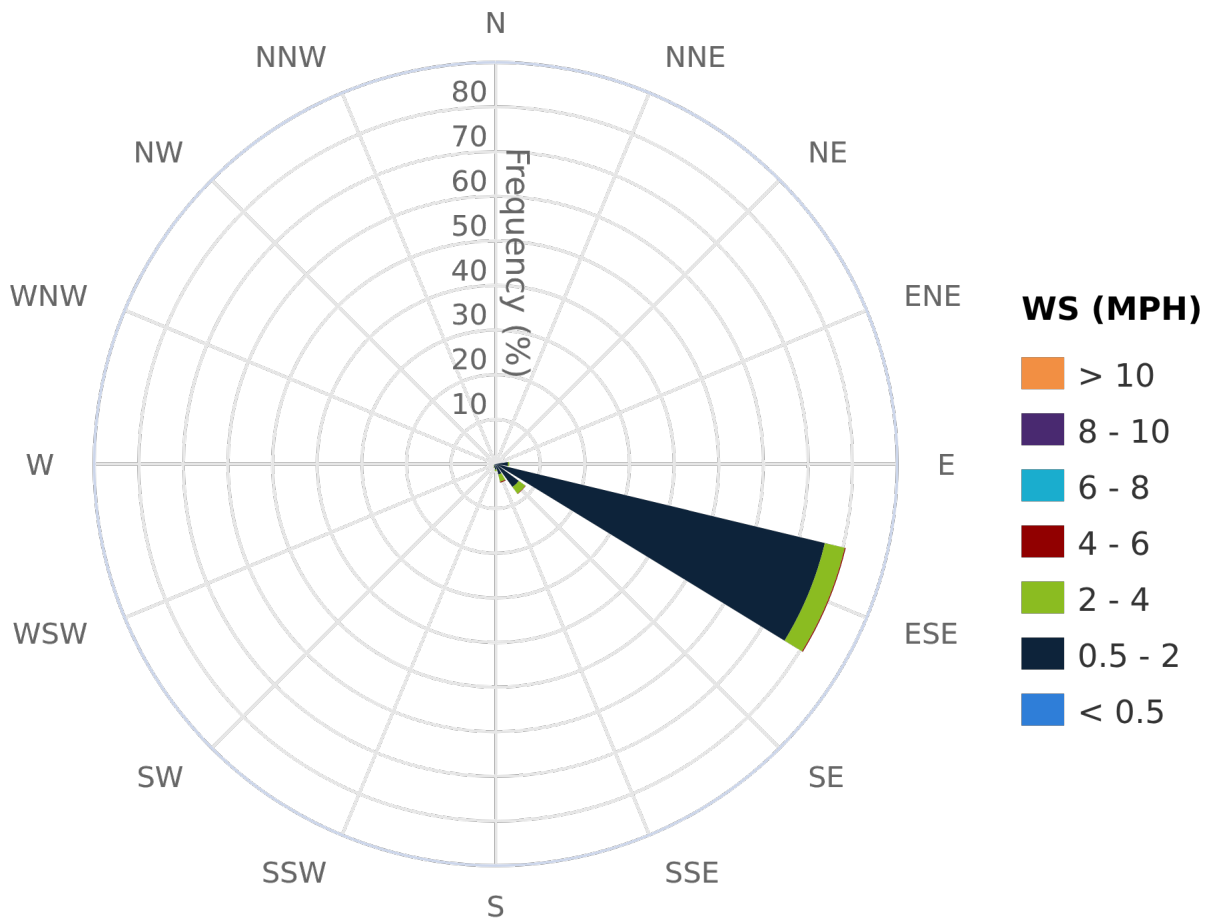


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

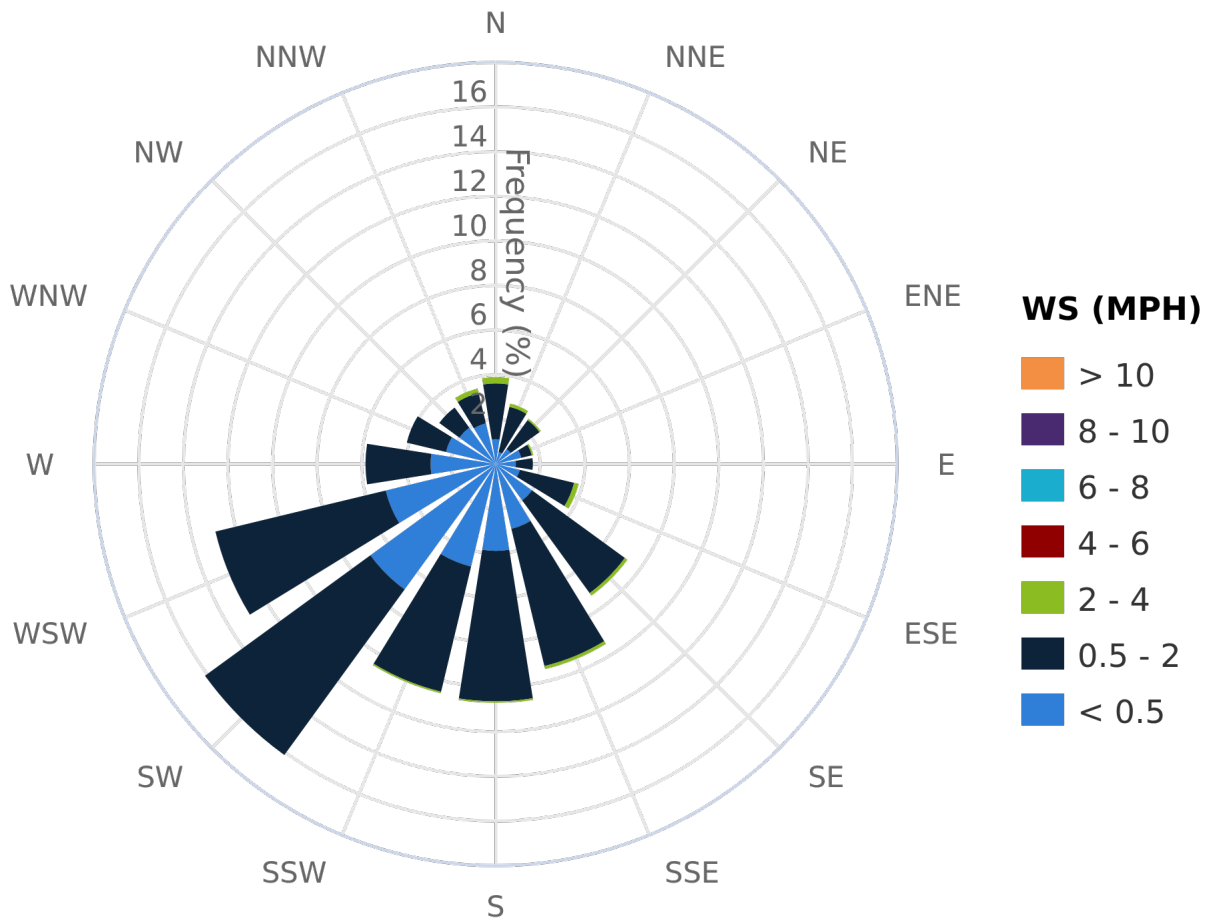


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

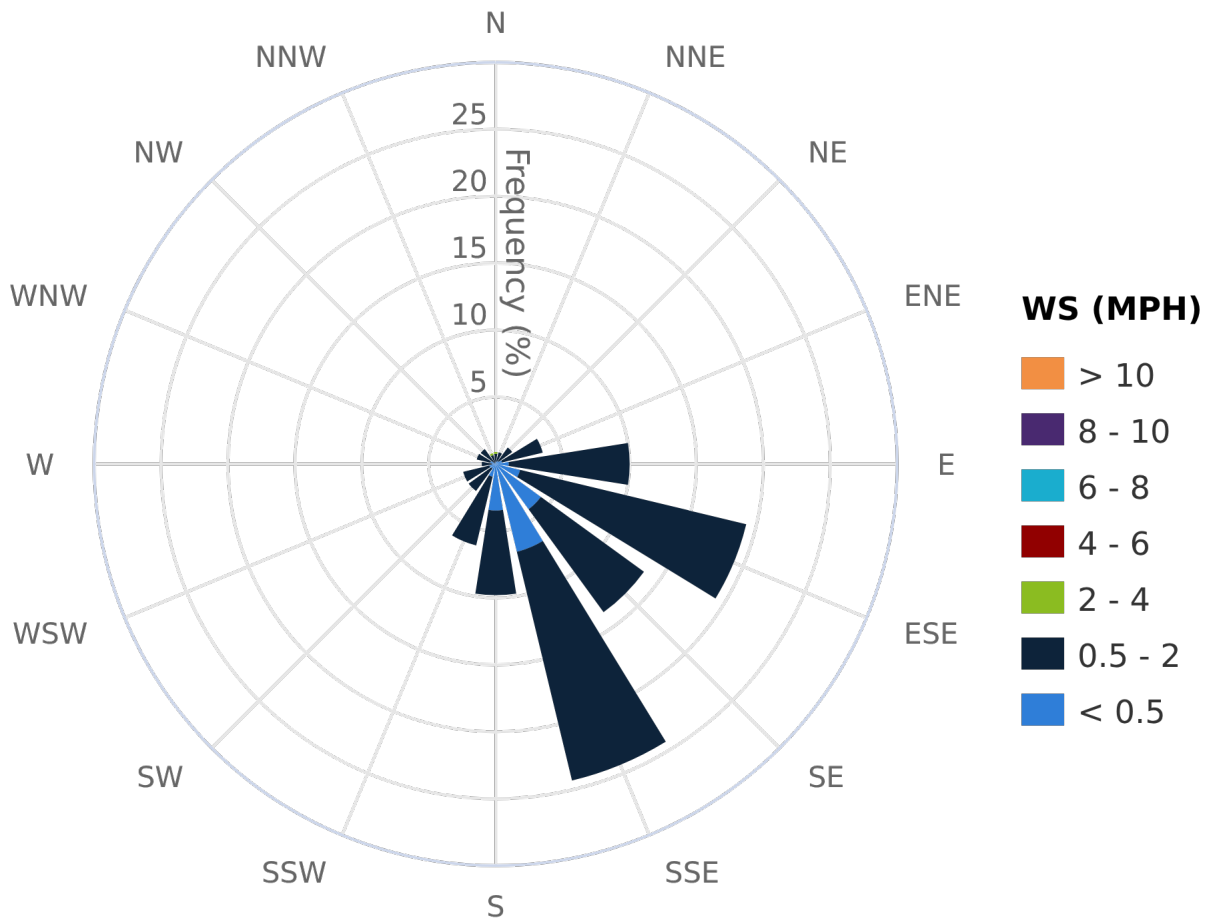


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

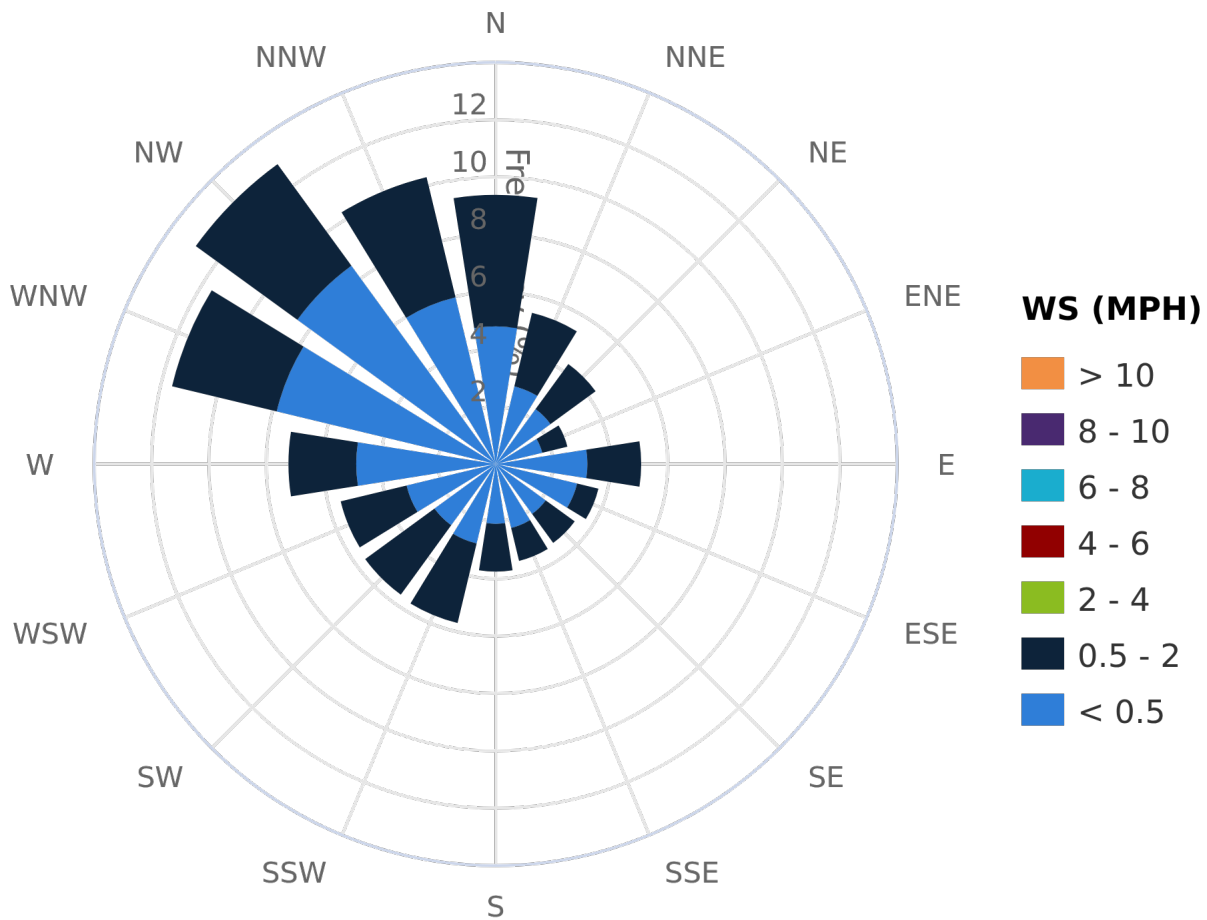


Figure 3 : Wind Rose Chart (WS in MPH)



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 2693 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2693 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2693 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00	46.0	40.4	62.4	29.5	4.7	5.2	4.5	7.0	-0.001	0.000	0.009	0.001
00:15:00	41.0	47.2	65.1	35.2	4.4	5.8	5.3	7.1	-0.001	0.000	0.002	0.001
00:30:00	46.9	39.2	71.2	26.4	4.8	5.0	4.1	7.6	0.000	0.000	0.004	0.002
00:45:00	49.5	36.6	63.0	28.3	5.2	4.8	4.2	6.8	-0.001	0.000	0.010	0.003
01:00:00	49.3	33.3	54.7	29.8	5.0	4.6	4.5	6.4	0.000	0.000	0.036	0.002
01:15:00	44.6	35.7	51.9	24.0	4.8	4.8	4.0	6.3	0.002	0.000	0.012	0.003
01:30:00	37.7	38.1	75.8	25.0	4.3	5.0	4.1	8.1	0.002	0.000	0.012	0.003
01:45:00	43.3	40.4	60.9	21.6	4.7	5.2	3.6	6.8	0.000	0.001	0.004	0.004
02:00:00	26.3	47.0	66.0	26.5	3.5	6.1	4.1	7.2	0.000	0.000	0.012	0.002
02:15:00	20.3	33.2	74.2	21.7	3.2	4.7	3.7	7.9	-0.003	0.000	0.015	0.001
02:30:00	41.6	36.7	75.6	21.0	4.5	4.9	3.7	7.6	-0.004	0.000	0.003	0.002
02:45:00	38.9	23.8	70.4	22.4	4.3	3.8	3.6	7.4	0.000	0.000	0.004	0.000
03:00:00	42.0	33.7	53.7	18.7	4.4	4.5	3.4	5.8	0.000	0.000	0.004	0.000
03:15:00	43.6	25.8	61.9	21.8	4.7	4.1	3.3	6.8	0.003	0.001	0.004	0.000
03:30:00	48.3	26.4	52.9	14.5	5.0	3.9	2.5	6.3	0.002	0.001	0.019	0.003
03:45:00	35.6	24.4	52.6	20.3	4.3	3.8	3.5	6.1	0.003	0.001	0.009	0.002
04:00:00	39.2	28.3	35.0	20.0	4.4	4.1	3.1	4.8	0.002	0.001	0.004	0.002
04:15:00	54.8	27.1	95.4	21.9	5.5	3.9	3.0	8.6	0.002	0.001	0.003	0.001
04:30:00	53.1	27.5	71.4	27.0	5.0	3.8	3.6	7.3	0.001	0.001	0.004	0.004
04:45:00	45.0	23.1	41.2	26.5	4.6	3.1	3.7	5.3	0.000	0.000	0.005	0.002
05:00:00	42.3	26.3	42.1	22.0	4.4	3.4	3.3	5.4	0.004	0.000	0.015	0.003
05:15:00	43.9	25.1	60.8	21.4	4.3	3.4	3.4	6.7	0.004	0.000	0.021	0.002
05:30:00	41.4	28.4	55.2	22.0	4.4	3.6	3.3	6.1	0.002	0.000	0.008	0.001
05:45:00	40.1	33.9	51.2	24.7	4.2	4.2	3.6	5.8	0.003	0.001	0.003	0.003
06:00:00	37.7	27.1	41.6	27.3	4.1	3.6	3.9	5.2	0.003	0.000	0.004	0.003
06:15:00	32.1	23.7	36.7	29.5	3.8	3.4	4.2	5.0	0.004	0.000	0.006	0.003
06:30:00	36.2	27.1	35.6	27.1	3.9	3.7	4.3	5.0	0.002	0.000	0.014	0.002
06:45:00	38.0	26.7	34.4	22.9	4.3	3.8	3.8	4.4	0.001	0.000	0.000	0.001
07:00:00	31.1	23.8	38.0	24.3	3.7	3.5	3.8	4.7	0.002	0.000	0.001	0.001
07:15:00	29.5	23.5	28.1	21.1	3.7	3.6	3.6	4.0	0.001	0.001	0.002	0.001
07:30:00	26.1	22.4	24.7	20.3	3.6	3.5	3.7	3.9	0.000	0.000	0.002	0.000
07:45:00	28.3	20.3	26.8	20.2	4.0	3.3	3.8	3.9	-0.002	0.001	0.002	0.000
08:00:00	25.8	19.7	23.7	18.1	3.8	3.2	3.5	3.8	0.000	0.001	0.000	0.000
08:15:00	23.6	21.2	24.3	18.1	3.5	3.4	3.4	3.6	0.000	0.000	0.000	0.000
08:30:00	33.3	19.6	30.3	18.8	9.0	4.0	3.9	4.3	0.000	0.000	0.000	0.000
08:45:00	28.7	19.2	23.3	18.4	8.3	6.1	4.3	4.2	-0.003	0.000	0.000	0.001
09:00:00	17.8	21.0	20.5	15.5	4.3	7.2	4.1	4.2	-0.003	0.000	0.002	0.000
09:15:00	17.6	25.0	17.5	14.9	4.5	11.4	4.1	4.1	-0.005	0.000	0.004	0.000
09:30:00	16.8	15.3	15.8	14.3	4.7	6.3	4.7	4.6	-0.005	0.001	0.000	0.000
09:45:00	14.8	18.0	15.6	15.4	4.7	8.7	5.5	4.7	-0.004	0.000	0.000	0.000
10:00:00	15.1	16.8	13.9	14.6	5.2	9.1	6.3	5.4	-0.006	0.000	0.000	0.000
10:15:00	14.7	14.2	12.9	13.5	5.7	8.0	6.1	4.8	-0.010	0.000	0.000	0.000
10:30:00	13.3	13.1	11.8	13.0	5.4	7.0	5.8	4.8	-0.010	0.001	0.000	0.000
10:45:00	12.0	9.3	10.3	12.2	4.9	4.7	5.4	4.7	-0.011	0.001	0.000	0.000
11:00:00	11.5	8.9	11.7	11.0	4.7	4.1	4.8	4.8	-0.009	0.000	0.001	0.000
11:15:00	10.2	8.5	10.9	9.8	4.2	4.0	4.4	4.5	-0.007	0.000	0.001	0.000
11:30:00	9.7	7.9	9.9	9.1	3.9	3.7	4.2	4.3	-0.005	0.000	0.000	0.000
11:45:00	9.0	6.6	8.7	8.3	3.8	3.3	3.8	4.0	-0.006	0.000	0.000	0.000



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12:00:00	9.1	6.6	9.3	8.9	3.9	3.2	4.2	4.7	-0.006	0.000	0.000	0.000
12:15:00	9.5	7.3	10.3	8.4	4.0	3.5	4.0	4.5	-0.006	0.001	0.000	0.000
12:30:00	8.9	6.6	9.0	8.1	4.0	3.6	4.1	4.1	-0.005	0.001	0.000	0.000
12:45:00	9.5	6.9	8.6	8.9	4.6	3.8	4.4	4.0	-0.007	0.000	0.000	0.000
13:00:00	9.3	7.2	9.7	9.2	4.5	4.1	4.5	4.4	-0.009	0.001	0.000	0.000
13:15:00	8.7	5.7	11.4	8.4	4.3	3.4	4.2	4.5	-0.014	0.000	0.000	0.000
13:30:00	7.1	5.4	8.8	7.7	3.6	3.2	3.8	3.7	-0.016	0.000	0.000	0.000
13:45:00	6.6	5.5	6.7	7.0	3.7	3.3	3.6	3.3	-0.013	0.000	0.000	0.000
14:00:00	7.4	5.6	6.9	8.2	4.0	3.5	4.0	3.5	-0.008	0.000	0.000	0.000
14:15:00	7.2	5.3	6.4	7.2	3.8	3.2	3.9	3.5	-0.003	-0.001	0.000	0.000
14:30:00	6.1	4.9	7.0	6.5	3.3	3.0	3.6	3.5	-0.004	0.001	0.000	0.003
14:45:00	5.7	4.6	6.3	6.5	3.3	3.0	3.3	3.2	0.008	0.000	0.000	0.003
15:00:00	5.4	4.7	5.1	6.0	3.0	2.8	3.1	2.9	0.014	0.000	0.000	0.006
15:15:00	5.3	4.2	6.5	5.6	2.9	2.5	3.0	3.0	0.020	0.000	0.001	0.005
15:30:00	4.6	3.7	4.6	5.0	2.4	2.3	2.6	2.3	0.016	0.000	0.007	0.006
15:45:00	4.2	3.7	5.5	4.5	2.4	2.2	2.5	2.4	0.018	0.000	0.012	0.004
16:00:00	4.4	3.6	4.9	4.7	2.4	2.1	2.5	2.4	0.042	0.000	0.024	0.009
16:15:00	4.3	4.0	4.8	5.2	2.3	2.2	2.5	2.3	0.088	0.000	0.013	0.007
16:30:00	4.2	4.0	6.4	5.2	2.3	2.2	2.5	2.6	0.124	0.000	0.012	0.007
16:45:00	4.5	4.0	6.6	5.7	2.3	2.1	2.7	2.8	0.126	0.000	0.012	0.004
17:00:00	4.8	5.0	8.4	5.9	2.4	2.2	3.0	3.2	0.106	0.000	0.016	0.007
17:15:00	5.1	4.5	7.3	5.9	2.5	2.3	3.2	3.0	0.104	0.000	0.017	0.008
17:30:00	5.8	4.4	8.3	5.8	3.2	2.4	3.0	3.1	0.092	0.000	0.020	0.007
17:45:00	5.6	4.9	9.1	6.5	2.8	2.4	3.4	3.1	0.087	0.000	0.016	0.006
18:00:00	11.8	6.5	13.2	10.6	4.7	2.8	4.7	4.7	0.062	0.000	0.011	0.011
18:15:00	25.1	9.0	24.6	13.8	8.2	3.7	6.4	7.8	0.036	0.000	0.008	0.025
18:30:00	14.5	5.8	12.7	8.4	4.0	2.8	3.3	3.8	0.045	0.000	0.007	0.030
18:45:00	9.6	5.4	10.6	8.7	3.0	2.3	3.4	3.1	0.025	0.000	0.002	0.022
19:00:00	7.0	5.4	8.8	7.3	2.4	2.1	2.5	2.5	0.011	0.000	0.002	0.015
19:15:00	6.7	6.2	10.3	6.3	2.0	2.0	2.2	2.6	0.007	0.000	0.002	0.009
19:30:00	6.9	6.6	11.6	7.1	2.0	1.9	2.1	2.4	0.000	0.000	0.000	0.006
19:45:00	12.2	8.8	16.5	7.8	2.3	2.1	2.2	2.8	-0.006	-0.001	0.000	0.003
20:00:00	12.1	9.2	22.2	9.0	2.3	2.1	2.5	3.1	-0.012	-0.001	0.000	0.002
20:15:00	9.6	7.8	17.3	11.2	2.1	2.1	2.4	2.8	-0.014	0.001	0.000	0.001
20:30:00	8.5	7.2	26.8	8.4	2.1	2.2	2.3	3.5	-0.015	0.000	0.000	0.000
20:45:00	8.7	5.5	28.1	8.6	2.0	1.8	2.2	3.5	-0.014	0.000	0.000	0.001
21:00:00	8.9	4.6	22.4	8.4	1.9	1.6	2.2	3.1	-0.015	0.000	0.000	0.001
21:15:00	7.3	4.9	19.4	7.7	1.5	1.4	1.7	2.8	-0.017	0.000	0.000	0.000
21:30:00	8.7	4.4	30.8	7.9	1.4	1.2	1.5	3.2	-0.013	0.000	0.000	0.001
21:45:00	13.1	6.7	20.3	9.3	1.5	1.4	1.7	2.7	-0.012	0.000	0.000	0.003
22:00:00	11.5	8.5	29.5	11.8	1.4	1.5	1.7	3.3	-0.007	0.001	0.000	0.003
22:15:00	12.6	13.3	31.3	14.1	1.5	1.8	1.9	3.3	-0.007	0.001	0.000	0.003
22:30:00	25.7	18.5	31.0	13.3	2.2	2.3	1.8	3.0	-0.005	0.001	0.000	0.003
22:45:00	31.3	20.4	23.1	16.7	2.5	2.3	1.9	2.4	-0.007	-0.001	0.000	0.004
23:00:00	35.1	20.1	34.6	16.3	2.8	2.4	1.9	3.4	-0.006	0.000	0.000	0.004
23:15:00	35.2	20.1	28.9	21.0	2.8	2.5	2.2	3.1	-0.005	0.000	0.000	0.002
23:30:00	33.5	19.5	28.2	27.8	2.8	2.5	2.7	3.5	-0.008	0.000	0.000	0.001
23:45:00	32.6	21.2	42.7	22.1	2.7	2.6	2.5	5.1	-0.006	0.000	0.000	0.002



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