



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-07-29

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0 Max : 38.88	2943 SSE	2995 ENE	2996 NE	2997 W	Min : 77.72 Max : 106.5	Min : 49.50 Max : 93.90	Min : 29.89 Max : 30.14

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	13.0	28.6	6.4	12.0	0.009	0.121
2995	12.9	19.8	6.1	9.1	0.009	0.090
2996	15.3	22.9	8.1	11.7	0.003	0.057
2997	20.2	58.1	7.9	13.2	0.004	0.048

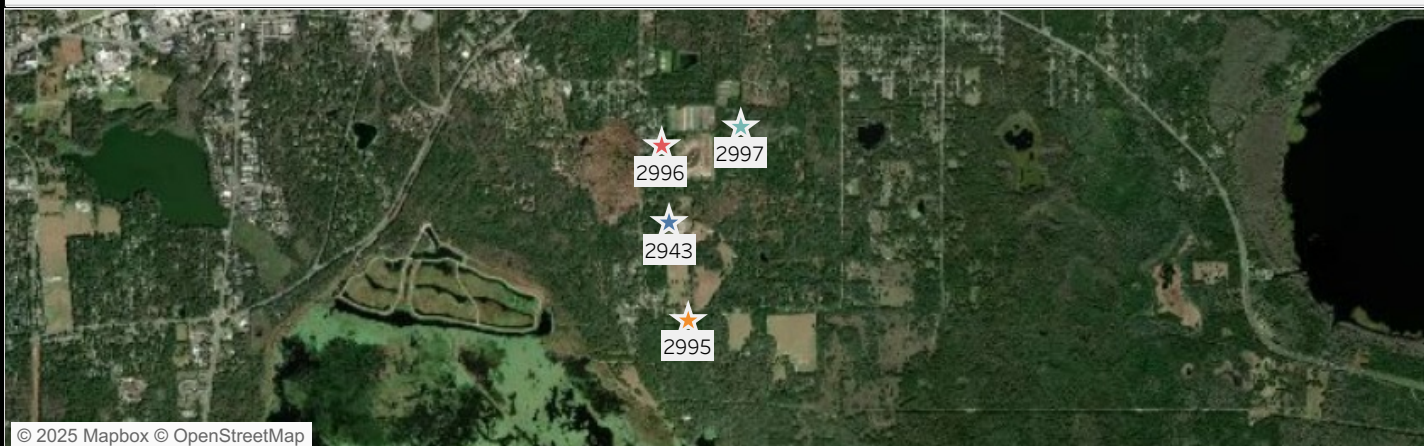


Figure 1 : Monitoring Locations

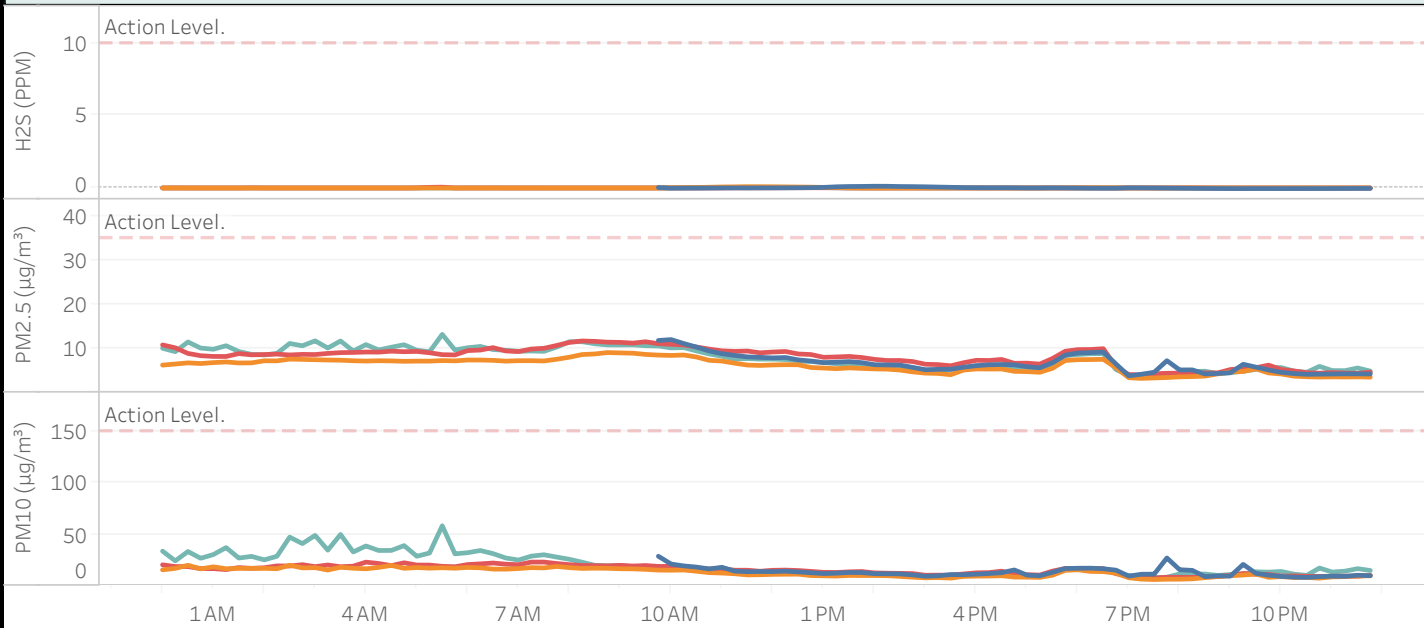


Figure 2 : 15 Minutes Average Concentrations

■ 2943 ■ 2995 ■ 2996 ■ 2997



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Wind Rose Chart 2943

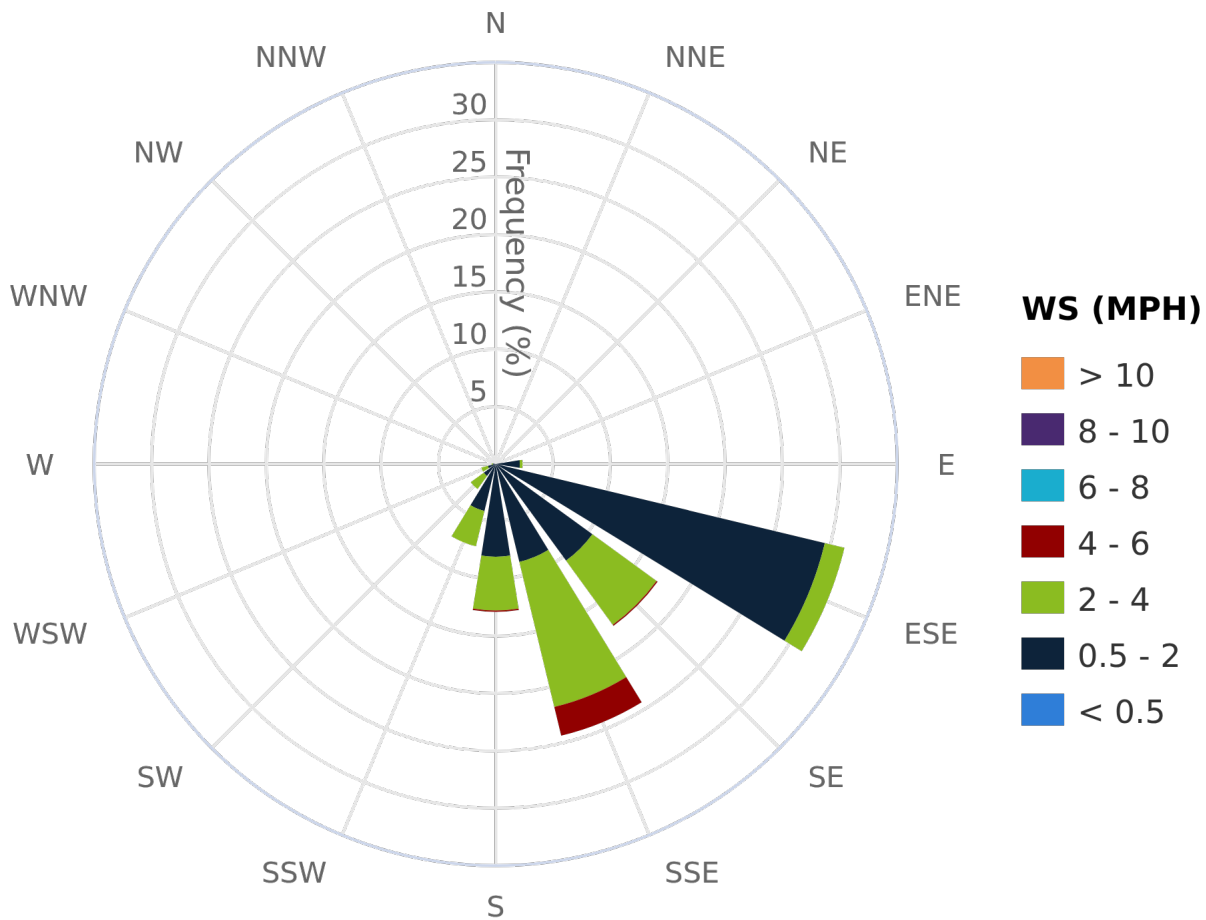


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

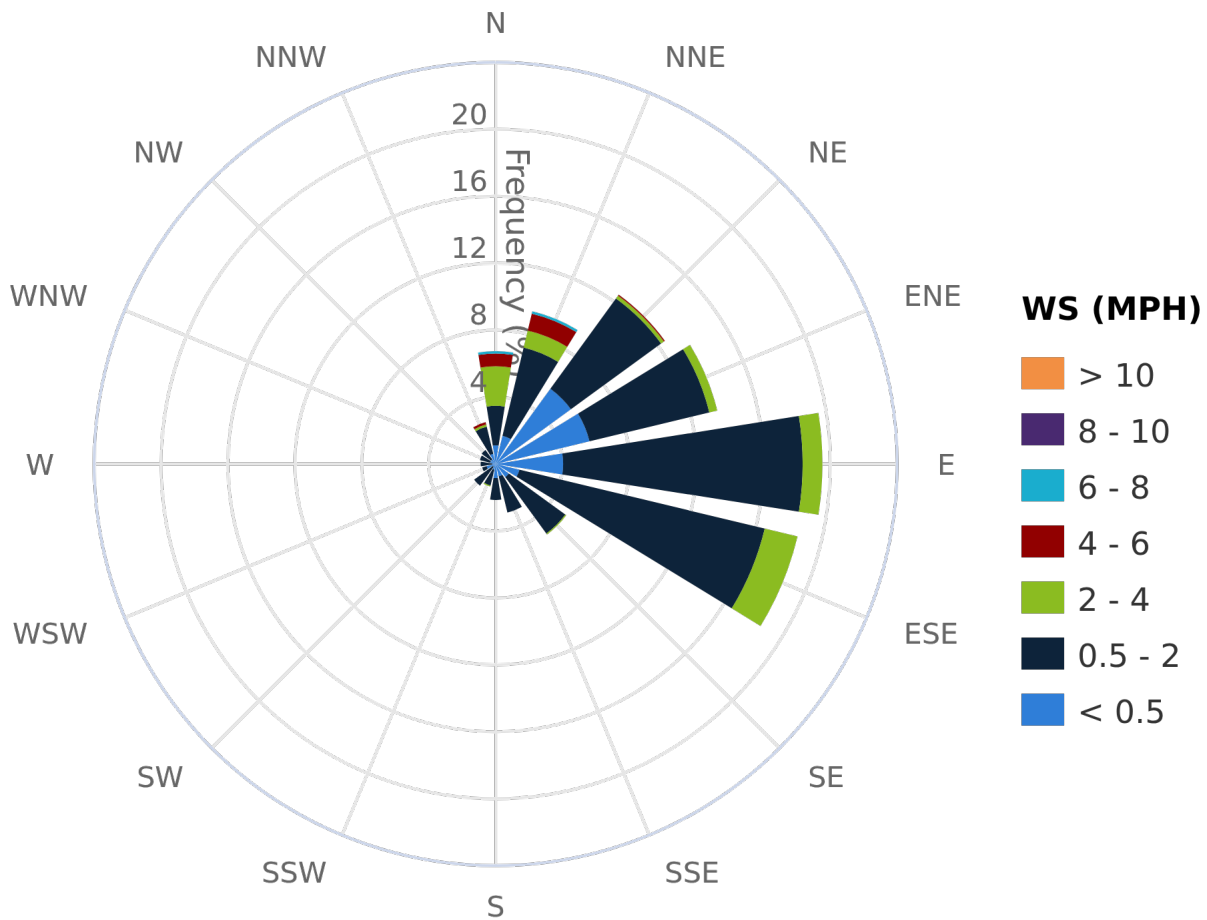


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

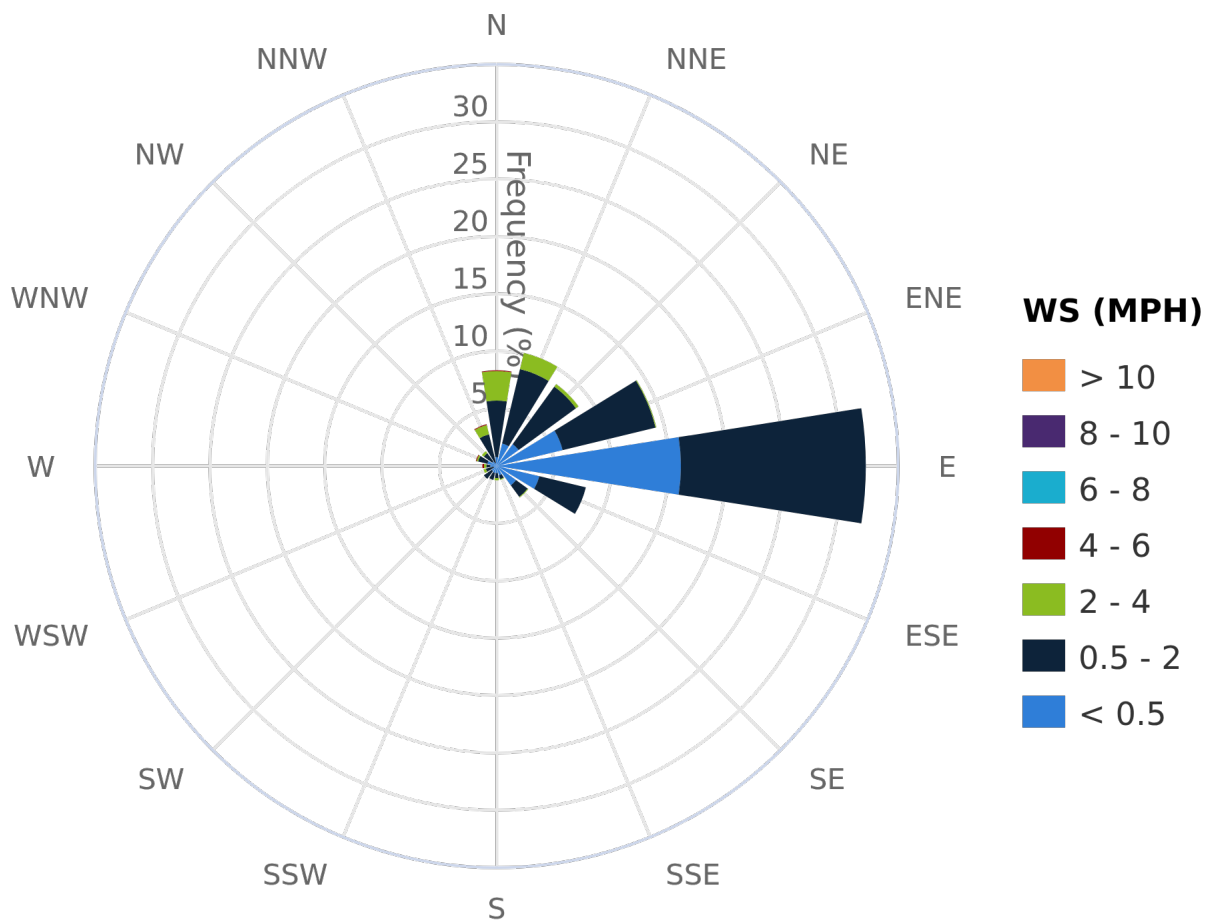


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

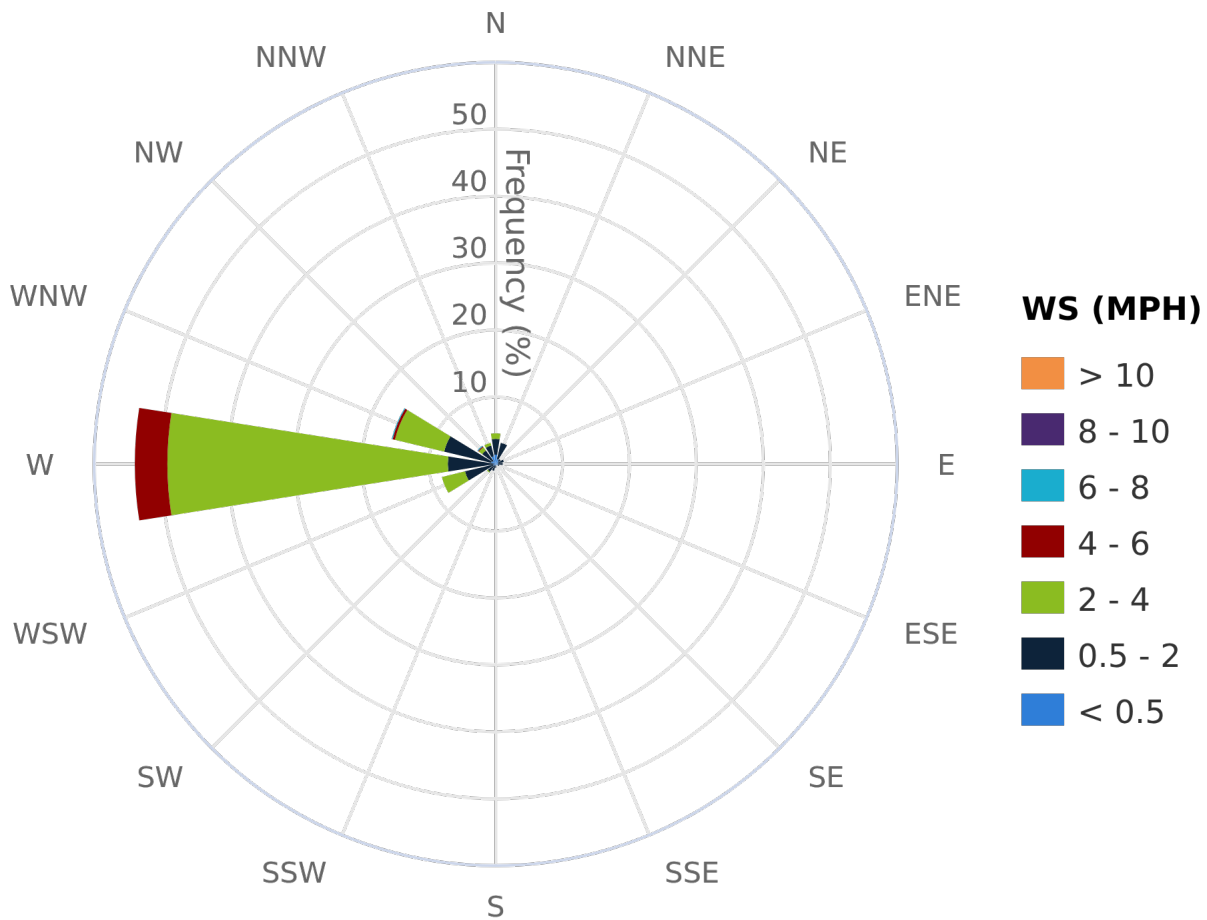


Figure 3 : Wind Rose Chart (WS in MPH)



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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		15.4	33.6	20.3		6.2	10.8	10.0		0.000	0.001	0.000
00:15:00		16.8	24.1	18.6		6.5	10.1	9.3		0.000	0.004	0.000
00:30:00		19.8	33.2	18.6		6.7	8.9	11.4		0.000	0.001	0.000
00:45:00		16.4	26.6	16.6		6.6	8.3	10.1		0.000	0.000	0.000
01:00:00		18.3	30.2	16.6		6.8	8.2	9.8		0.000	0.000	0.000
01:15:00		16.5	37.0	15.7		6.9	8.2	10.6		0.000	0.000	0.000
01:30:00		16.8	26.8	17.6		6.7	8.8	9.3		0.000	0.000	0.000
01:45:00		16.9	28.5	16.9		6.7	8.5	8.7		0.000	0.009	0.000
02:00:00		16.9	25.1	17.4		7.2	8.6	8.5		0.000	0.002	0.000
02:15:00		16.5	28.6	19.2		7.2	8.7	8.9		0.000	0.000	0.000
02:30:00		19.8	47.1	19.1		7.6	8.5	11.1		0.000	0.000	0.000
02:45:00		17.3	40.8	20.4		7.5	8.6	10.6		0.000	0.000	0.000
03:00:00		17.5	48.8	18.5		7.4	8.6	11.7		0.000	0.000	0.000
03:15:00		15.2	34.5	20.1		7.4	8.9	10.1		0.000	0.000	0.000
03:30:00		17.9	49.7	18.4		7.3	9.0	11.7		0.000	0.000	0.000
03:45:00		17.0	32.7	19.0		7.2	9.1	9.4		0.000	0.000	0.000
04:00:00		16.4	38.6	22.9		7.1	9.2	10.9		0.000	0.000	0.000
04:15:00		17.8	34.2	21.6		7.2	9.2	9.6		0.000	0.000	0.000
04:30:00		19.7	34.2	19.5		7.2	9.4	10.3		0.000	0.000	0.000
04:45:00		16.9	38.9	22.3		7.1	9.3	10.8		0.000	0.000	0.000
05:00:00		17.6	28.6	20.1		7.1	9.3	9.6		0.000	0.008	0.000
05:15:00		17.1	31.7	20.0		7.1	9.0	9.2		0.000	0.044	0.000
05:30:00		17.5	58.1	18.8		7.2	8.6	13.2		0.000	0.057	0.000
05:45:00		17.0	30.9	18.4		7.2	8.5	9.6		0.000	0.000	0.000
06:00:00		17.8	32.0	20.6		7.4	9.5	10.1		0.000	0.003	0.000
06:15:00		17.4	34.1	21.2		7.4	9.6	10.4		0.000	0.003	0.000
06:30:00		16.2	31.1	22.0		7.3	10.2	9.7		0.000	0.006	0.000
06:45:00		16.1	26.9	20.9		7.1	9.4	9.6		0.000	0.000	0.000
07:00:00		16.7	24.9	20.4		7.2	9.3	9.3		0.000	0.001	0.000
07:15:00		17.6	28.7	22.9		7.2	9.9	9.4		0.000	0.002	0.000
07:30:00		17.3	30.0	22.9		7.2	10.0	9.3		0.000	0.000	0.000
07:45:00		18.7	27.8	21.6		7.5	10.7	10.3		0.000	0.000	0.000
08:00:00		17.6	25.6	20.5		8.0	11.3	11.5		0.000	0.000	0.000
08:15:00		16.8	22.8	19.7		8.6	11.7	11.5		0.000	0.000	0.000
08:30:00		17.1	19.8	19.5		8.7	11.6	11.0		0.000	0.000	0.000
08:45:00		16.9	19.4	19.3		9.1	11.4	10.8		0.000	0.000	0.000
09:00:00		16.5	19.6	19.8		9.0	11.4	10.8		0.000	0.000	0.000
09:15:00		16.4	18.4	19.1		8.9	11.2	10.8		0.000	0.000	0.000
09:30:00		15.9	18.1	19.6		8.6	11.5	10.6		0.002	0.000	0.000
09:45:00	28.6	15.2	18.2	18.7	11.8	8.5	11.1	10.5	0.031	0.004	0.000	0.000
10:00:00	21.1	15.1	17.7	18.8	12.0	8.4	10.9	10.1	-0.011	0.020	0.000	0.000
10:15:00	19.2	15.3	17.5	17.6	11.1	8.5	10.8	10.2	-0.005	0.025	0.000	0.000
10:30:00	18.1	14.1	16.6	17.0	10.3	8.1	10.3	9.4	-0.003	0.039	0.000	0.001
10:45:00	16.3	12.7	15.3	16.3	9.4	7.3	9.8	8.7	-0.001	0.051	0.000	0.013
11:00:00	17.9	12.3	15.6	16.7	8.8	7.1	9.4	8.2	0.001	0.070	0.003	0.022
11:15:00	14.2	11.6	13.5	15.1	8.4	6.7	9.3	7.6	0.003	0.078	0.009	0.039
11:30:00	13.6	10.5	13.2	15.1	8.1	6.2	9.4	7.7	0.002	0.090	0.009	0.044
11:45:00	13.8	10.7	13.9	14.1	8.0	6.1	9.0	7.6	0.005	0.087	0.009	0.048



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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	13.7	11.0	14.3	15.0	7.9	6.3	9.2	7.6	0.006	0.082	0.012	0.047
12:15:00	14.1	11.2	13.0	15.2	7.9	6.3	9.3	7.5	0.009	0.072	0.015	0.048
12:30:00	13.4	11.2	12.5	14.8	7.4	6.3	8.7	7.1	0.014	0.067	0.016	0.043
12:45:00	12.6	9.9	12.1	13.9	7.1	5.7	8.6	7.0	0.024	0.058	0.016	0.040
13:00:00	11.8	9.6	12.8	13.0	6.8	5.6	8.0	6.8	0.043	0.044	0.013	0.033
13:15:00	12.2	9.4	12.4	12.9	6.9	5.4	8.1	6.5	0.082	0.031	0.012	0.012
13:30:00	12.9	10.0	11.6	13.5	7.0	5.6	8.2	6.4	0.103	0.014	0.003	0.000
13:45:00	12.8	9.9	11.8	13.8	6.8	5.5	7.9	6.3	0.108	0.000	0.000	0.000
14:00:00	11.7	9.9	10.7	12.5	6.3	5.4	7.5	6.0	0.121	0.000	0.000	0.000
14:15:00	11.6	9.8	10.2	12.2	6.3	5.3	7.3	5.6	0.119	0.000	0.000	0.000
14:30:00	11.5	9.1	10.6	12.0	6.2	5.1	7.3	5.8	0.101	0.000	0.000	0.000
14:45:00	10.6	8.3	10.4	11.8	5.7	4.7	7.0	5.6	0.094	0.000	0.000	0.000
15:00:00	9.3	7.7	9.0	10.2	5.2	4.4	6.4	5.1	0.082	0.000	0.000	0.000
15:15:00	9.7	7.9	8.6	10.3	5.3	4.3	6.3	5.1	0.064	0.000	0.000	0.000
15:30:00	10.8	7.4	10.4	10.2	5.3	4.1	6.1	5.2	0.047	0.000	0.000	0.000
15:45:00	10.7	9.0	10.6	11.5	5.8	5.1	6.8	5.6	0.027	0.000	0.000	0.000
16:00:00	11.3	9.3	11.7	12.5	6.1	5.4	7.3	6.1	0.019	0.000	0.000	0.000
16:15:00	11.8	9.4	10.8	12.8	6.3	5.3	7.3	6.0	0.015	0.000	0.000	0.000
16:30:00	12.7	9.7	12.0	14.2	6.4	5.3	7.5	6.3	0.016	0.000	0.000	0.000
16:45:00	15.3	8.4	9.7	10.9	6.3	4.8	6.6	5.6	0.012	0.000	0.000	0.000
17:00:00	10.3	8.3	9.8	10.8	5.9	4.8	6.7	5.7	0.003	0.000	0.000	0.000
17:15:00	9.7	8.1	10.0	10.4	5.6	4.6	6.4	5.5	0.003	0.000	0.000	0.000
17:30:00	13.0	10.2	12.2	14.2	6.8	5.5	7.7	6.3	0.009	0.002	0.000	0.002
17:45:00	16.7	14.9	16.1	16.8	8.5	7.3	9.3	8.4	0.001	0.009	0.000	0.006
18:00:00	17.0	15.5	15.9	16.8	9.0	7.5	9.7	8.6	-0.005	0.016	0.000	0.002
18:15:00	17.0	13.9	15.9	16.7	9.1	7.5	9.8	8.8	-0.013	0.014	0.000	0.001
18:30:00	16.5	13.7	15.6	16.7	9.2	7.5	9.9	8.8	-0.016	0.015	0.000	0.001
18:45:00	15.1	12.1	12.2	11.8	6.5	5.6	5.8	5.2	-0.016	0.007	0.000	0.000
19:00:00	9.3	7.7	10.0	9.0	3.8	3.4	4.1	3.9	0.010	0.002	0.000	0.005
19:15:00	11.2	6.4	9.1	7.3	4.2	3.2	4.0	3.9	0.009	0.001	0.000	0.003
19:30:00	11.3	6.0	7.8	7.5	4.6	3.3	4.3	3.8	0.001	0.005	0.000	0.000
19:45:00	26.9	6.4	8.3	8.2	7.2	3.4	4.4	3.9	-0.008	0.000	0.005	0.000
20:00:00	15.6	6.4	11.4	8.2	5.1	3.6	4.4	4.6	-0.018	0.000	0.009	0.000
20:15:00	14.9	6.7	11.4	8.1	5.1	3.6	4.3	4.8	-0.024	0.000	0.013	0.000
20:30:00	8.8	7.9	11.4	8.6	4.2	3.7	4.5	4.8	-0.032	0.000	0.005	0.000
20:45:00	9.7	9.0	10.0	8.8	4.3	4.2	4.5	4.3	-0.036	0.000	0.001	0.000
21:00:00	9.3	9.7	10.9	10.3	4.5	4.7	5.2	4.5	-0.040	0.000	0.000	0.000
21:15:00	20.7	10.4	11.2	11.9	6.4	4.8	5.5	4.8	-0.042	0.000	0.000	0.000
21:30:00	12.0	11.4	13.5	11.2	5.8	5.4	5.6	5.3	-0.040	0.000	0.000	0.000
21:45:00	10.2	8.2	13.2	11.0	5.1	4.4	6.2	5.6	-0.040	0.000	0.000	0.000
22:00:00	9.1	8.9	13.8	9.3	4.6	4.2	5.2	5.7	-0.041	0.000	0.000	0.000
22:15:00	8.4	8.0	11.2	9.6	4.3	3.7	4.9	4.9	-0.040	0.000	0.000	0.000
22:30:00	8.1	8.1	10.1	9.1	4.1	3.6	4.5	4.6	-0.039	0.000	0.000	0.000
22:45:00	8.8	7.4	17.2	9.1	4.2	3.5	4.4	5.9	-0.037	0.000	0.000	0.000
23:00:00	9.3	8.6	13.3	9.2	4.2	3.6	4.5	5.0	-0.037	0.000	0.000	0.000
23:15:00	9.1	8.9	14.1	9.3	4.2	3.5	4.4	5.0	-0.033	0.000	0.000	0.000
23:30:00	10.2	9.5	16.6	9.2	4.2	3.6	4.4	5.6	-0.031	0.000	0.000	0.000
23:45:00	9.7	9.7	14.8	10.2	4.2	3.5	4.6	4.9	-0.030	0.000	0.000	0.000



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