



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-08-14

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1120 Max : 8.610	2943 SE	2995 ESE	2996 NNE	2997 W	Min : 74.84 Max : 102.6	Min : 55.50 Max : 95.00	Min : 29.95 Max : 30.16

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	19.2	37.9	5.4	8.2	0.008	0.094
2995	17.7	33.5	4.7	7.3	0.013	0.073
2996	17.7	29.4	5.5	8.9	0.004	0.030
2997	29.0	78.5	6.3	11.6	0.007	0.044

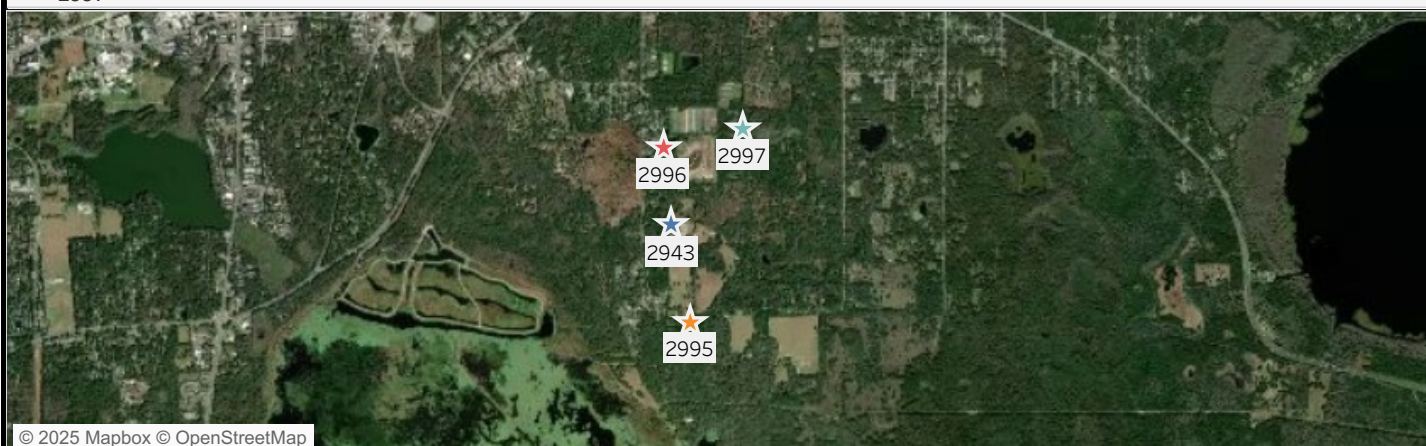


Figure 1 : Monitoring Locations

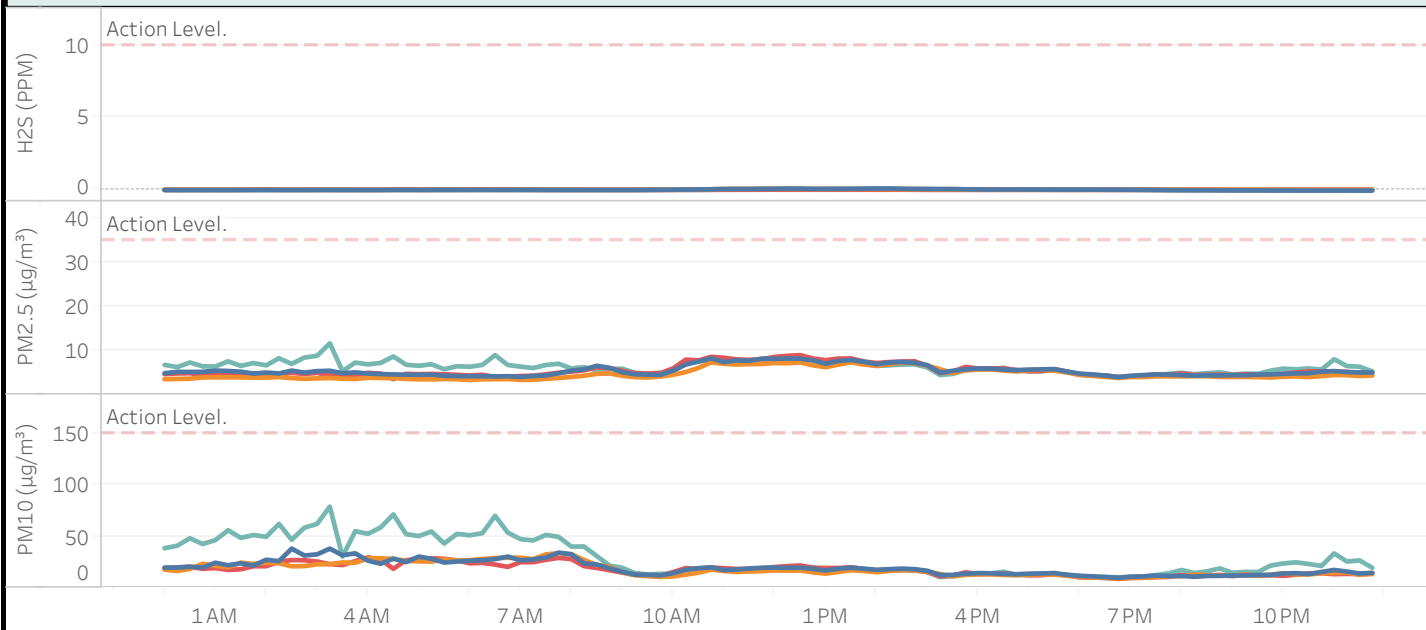


Figure 2 : 15 Minutes Average Concentrations

2943 2995 2996 2997



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Wind Rose Chart 2943

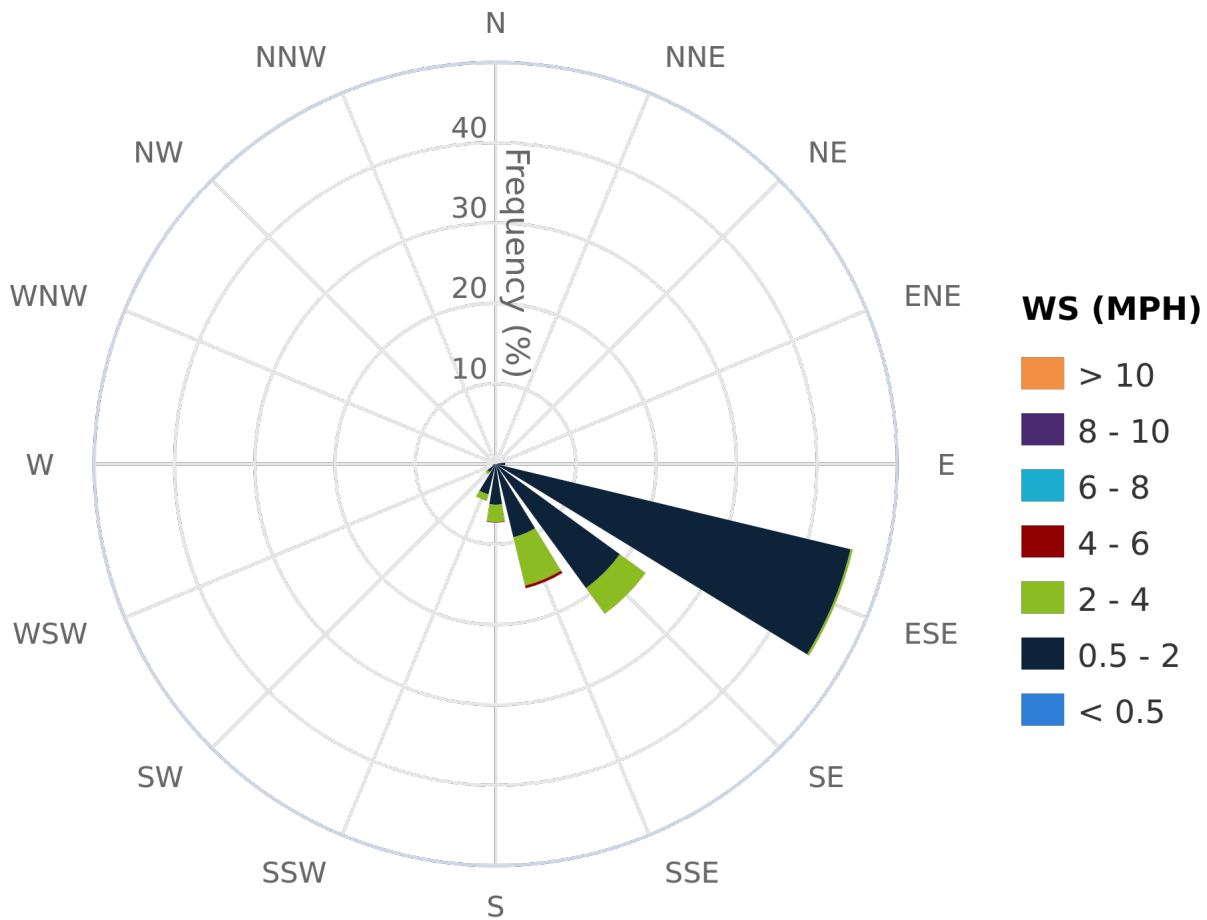


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

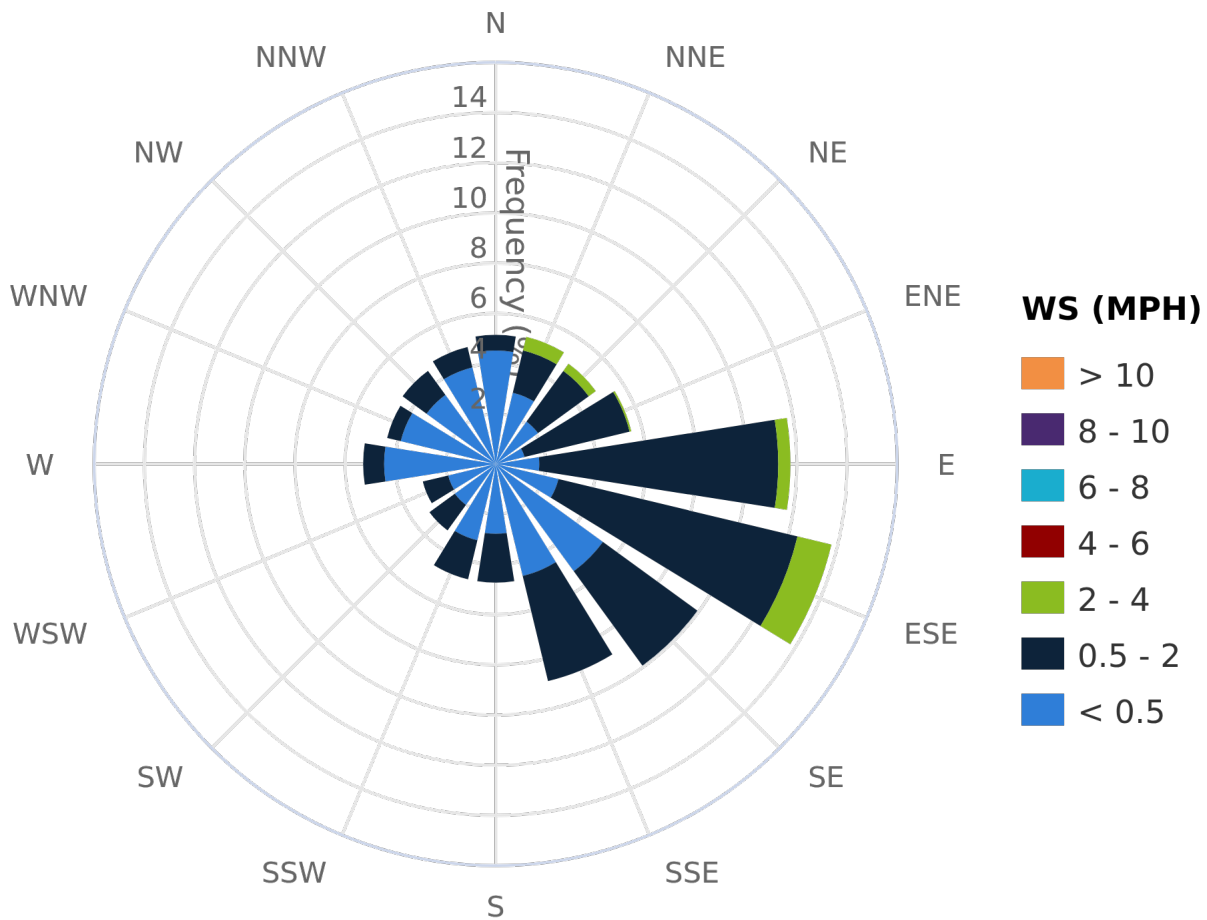


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

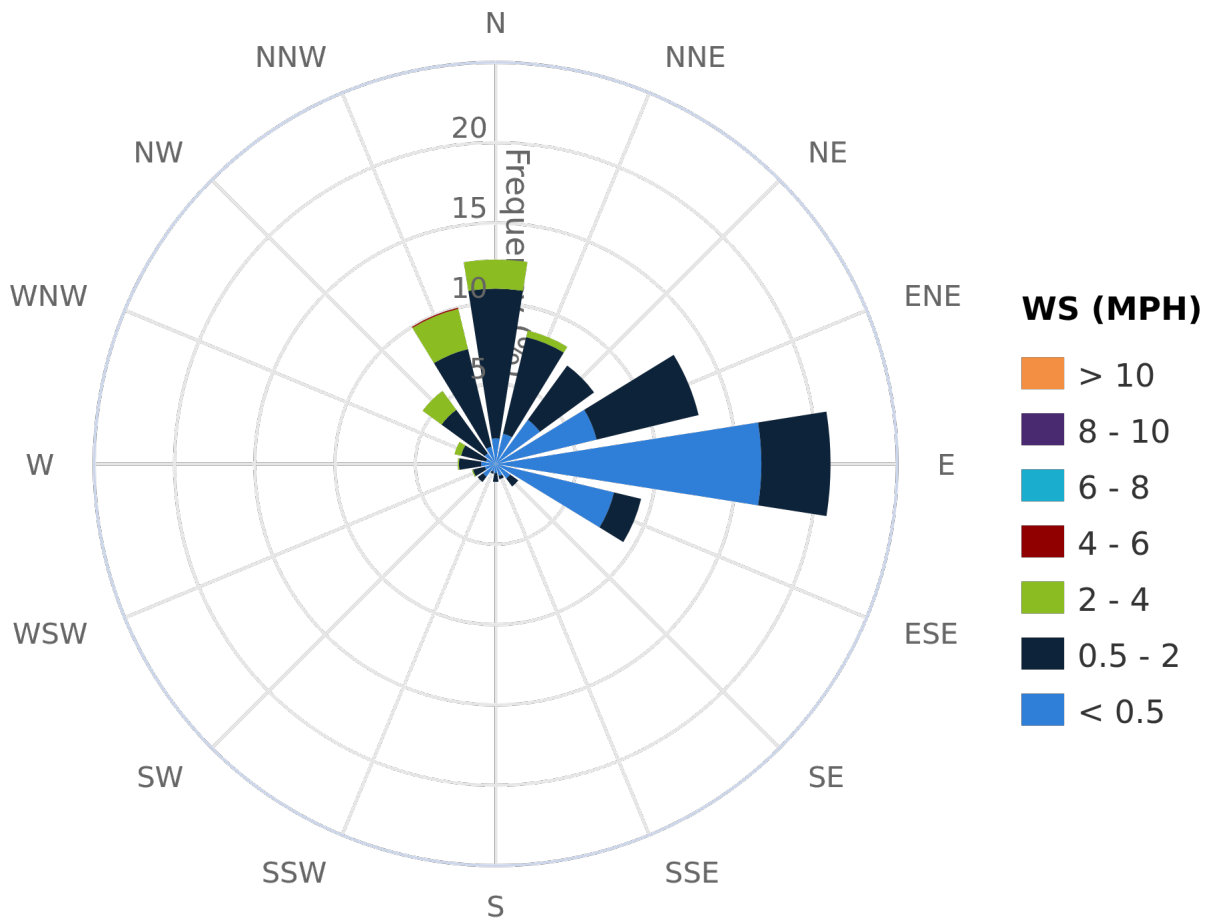


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

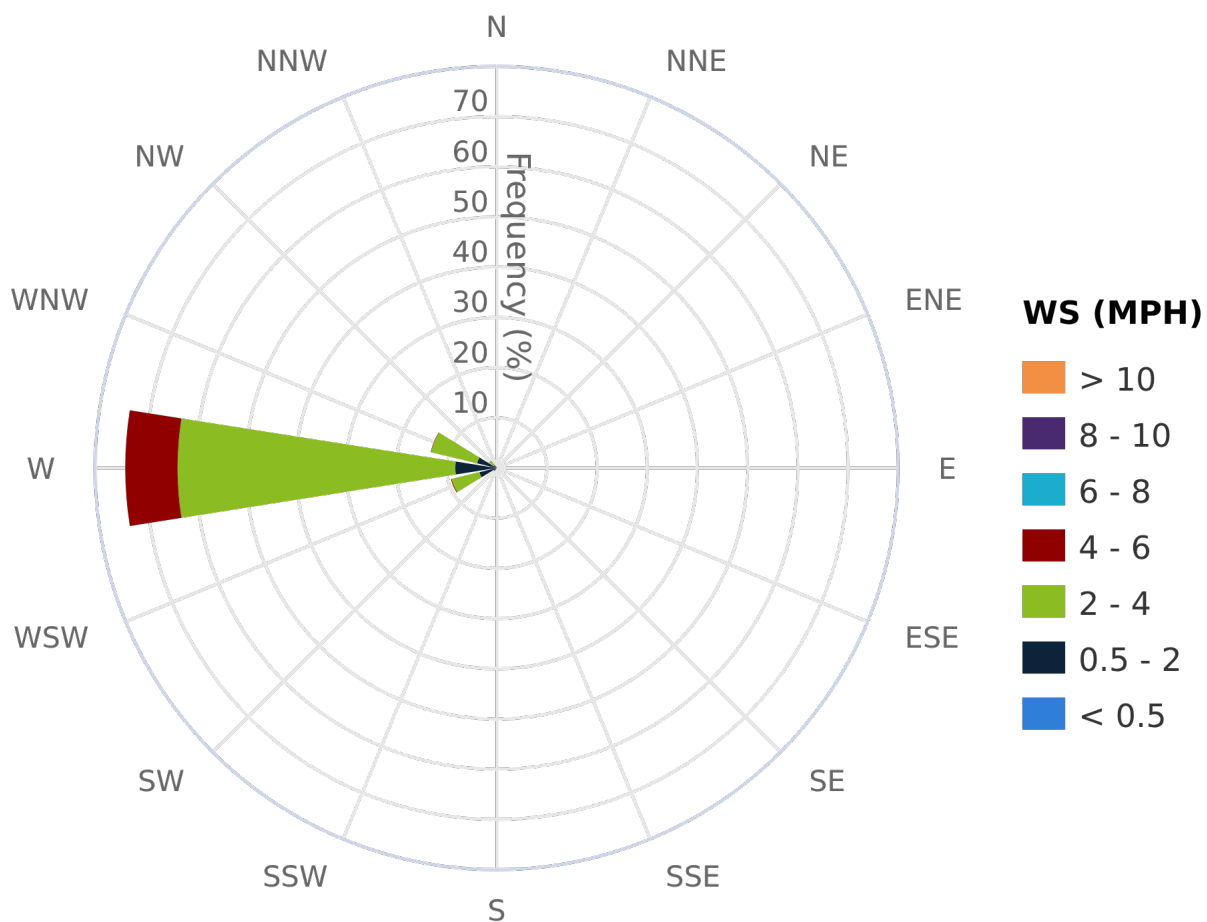


Figure 3 : Wind Rose Chart (WS in MPH)



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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	19.5	17.6	38.3	19.0	4.8	3.5	4.6	6.7	-0.015	0.000	0.010	0.000
00:15:00	19.6	16.3	40.8	19.7	5.2	3.5	4.8	6.2	-0.016	0.000	0.002	0.000
00:30:00	20.3	18.3	48.0	20.4	5.1	3.6	4.8	7.3	-0.014	0.000	0.000	0.000
00:45:00	19.6	23.2	42.3	18.3	5.2	3.9	4.5	6.4	-0.014	0.000	0.000	0.000
01:00:00	24.3	21.4	46.2	19.1	5.4	3.9	4.7	6.4	-0.014	0.000	0.000	0.000
01:15:00	21.8	19.8	55.7	17.3	5.3	3.9	4.7	7.5	-0.015	0.000	0.000	0.000
01:30:00	23.7	24.4	48.3	17.9	5.2	3.9	4.7	6.5	-0.013	0.000	0.000	0.000
01:45:00	21.6	23.0	51.1	20.9	4.8	3.9	4.8	7.1	-0.012	0.000	0.013	0.000
02:00:00	27.1	24.2	49.3	20.9	5.0	3.9	4.3	6.6	-0.012	0.000	0.020	0.000
02:15:00	25.7	23.7	61.8	25.2	4.8	4.0	4.7	8.2	-0.011	0.000	0.006	0.000
02:30:00	37.9	20.8	46.5	26.8	5.4	3.7	4.9	7.0	-0.009	0.000	0.001	0.000
02:45:00	31.3	21.0	58.2	26.7	5.0	3.6	4.7	8.4	-0.009	0.000	0.002	0.000
03:00:00	32.4	22.7	61.9	25.3	5.3	3.7	4.9	8.8	-0.006	0.000	0.002	0.000
03:15:00	37.9	22.9	78.5	22.9	5.4	3.8	4.4	11.6	-0.005	0.000	0.001	0.000
03:30:00	31.5	24.5	30.2	22.0	4.8	3.6	4.4	5.3	-0.006	0.000	0.000	0.000
03:45:00	33.4	24.2	54.8	25.8	5.0	3.5	4.5	7.2	-0.009	0.000	0.000	0.000
04:00:00	26.2	28.4	52.3	29.4	4.8	3.8	4.9	6.8	-0.008	0.000	0.000	0.000
04:15:00	23.3	28.5	58.4	27.3	4.7	3.8	4.7	7.2	-0.009	0.000	0.000	0.000
04:30:00	28.2	27.9	71.0	18.4	4.6	3.7	3.5	8.6	-0.008	0.001	0.016	0.000
04:45:00	24.9	26.1	51.9	26.8	4.5	3.6	4.7	6.8	-0.007	0.000	0.014	0.000
05:00:00	30.2	25.6	50.1	27.7	4.5	3.5	4.6	6.5	-0.005	0.000	0.003	0.000
05:15:00	28.1	25.4	54.5	28.4	4.5	3.5	4.7	6.9	-0.005	0.000	0.003	0.000
05:30:00	24.5	27.5	42.8	28.1	4.3	3.5	4.6	5.7	-0.002	0.000	0.005	0.000
05:45:00	25.4	26.3	52.2	26.5	4.2	3.5	4.5	6.4	-0.002	0.000	0.004	0.000
06:00:00	26.2	26.7	50.8	23.7	4.2	3.3	4.3	6.3	-0.005	0.001	0.019	0.000
06:15:00	26.7	27.8	52.8	24.1	4.2	3.5	4.5	6.7	-0.003	0.000	0.030	0.000
06:30:00	27.7	28.8	69.7	22.5	4.1	3.5	4.0	8.9	-0.004	0.002	0.009	0.000
06:45:00	30.2	29.1	53.4	20.2	4.2	3.5	4.0	6.7	-0.004	0.003	0.009	0.000
07:00:00	26.5	29.1	47.0	24.7	4.0	3.3	4.2	6.3	-0.003	0.003	0.008	0.000
07:15:00	27.5	27.7	45.9	24.8	4.2	3.4	4.3	6.0	-0.003	0.001	0.003	0.000
07:30:00	29.3	32.3	51.2	27.1	4.3	3.6	4.6	6.7	-0.005	0.000	0.001	0.000
07:45:00	34.0	33.5	49.3	29.0	4.8	3.8	4.9	7.0	-0.006	0.000	0.000	0.000
08:00:00	32.4	32.5	39.9	27.8	5.4	4.0	5.2	5.9	-0.006	0.000	0.000	0.000
08:15:00	23.7	26.8	39.9	20.9	5.7	4.3	5.5	6.2	-0.008	0.000	0.000	0.000
08:30:00	22.5	22.1	30.7	19.2	6.5	4.7	6.2	5.5	-0.009	0.000	0.000	0.000
08:45:00	18.8	20.2	21.5	17.0	6.1	4.8	6.0	5.8	-0.008	0.000	0.000	0.000
09:00:00	15.4	14.9	19.3	14.7	5.1	4.3	5.4	5.9	-0.008	0.000	0.000	0.000
09:15:00	12.7	12.2	14.1	12.5	4.6	4.0	4.8	4.9	-0.007	0.000	0.000	0.000
09:30:00	12.6	11.3	12.9	11.8	4.5	3.9	4.8	4.8	-0.004	0.000	0.000	0.000
09:45:00	12.0	10.5	13.6	11.5	4.5	4.1	4.8	4.9	0.004	0.003	0.000	0.000
10:00:00	14.1	11.1	13.4	15.1	5.4	4.5	5.9	5.2	0.011	0.008	0.000	0.000
10:15:00	17.4	12.7	18.0	19.1	6.8	5.1	7.9	7.1	0.020	0.016	0.000	0.000
10:30:00	19.0	14.6	18.0	18.3	7.5	6.0	7.7	7.5	0.027	0.021	0.000	0.003
10:45:00	19.8	17.6	19.0	19.6	8.2	7.3	8.5	7.9	0.037	0.040	0.001	0.008
11:00:00	17.1	16.2	17.1	19.0	7.3	7.0	8.3	7.3	0.056	0.059	0.005	0.020
11:15:00	17.7	15.3	16.7	18.2	7.7	6.8	8.0	7.3	0.061	0.065	0.005	0.022
11:30:00	18.7	15.8	16.2	18.2	7.7	6.9	7.9	7.1	0.061	0.067	0.006	0.028
11:45:00	19.4	16.2	16.7	18.7	8.1	6.9	8.0	7.0	0.071	0.073	0.012	0.039



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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	19.6	16.8	18.2	20.1	8.1	7.1	8.5	7.7	0.074	0.071	0.013	0.044
12:15:00	19.3	16.6	19.3	20.9	8.2	7.1	8.8	7.9	0.086	0.070	0.010	0.043
12:30:00	19.5	16.8	19.9	21.6	8.1	7.3	8.9	8.1	0.084	0.066	0.011	0.044
12:45:00	18.3	14.9	19.9	19.4	7.7	6.6	8.2	7.9	0.070	0.056	0.010	0.044
13:00:00	16.8	13.7	16.8	19.1	7.0	6.2	7.8	7.0	0.070	0.053	0.010	0.038
13:15:00	18.5	15.4	17.4	19.1	7.6	6.8	8.1	7.2	0.074	0.062	0.011	0.033
13:30:00	19.4	17.0	19.3	19.8	7.8	7.3	8.2	7.5	0.075	0.057	0.011	0.032
13:45:00	18.5	16.3	17.2	18.1	7.4	6.8	7.5	7.0	0.085	0.062	0.012	0.029
14:00:00	17.4	15.1	16.2	17.0	6.9	6.5	7.1	6.5	0.093	0.064	0.008	0.022
14:15:00	18.0	16.3	16.6	17.3	7.3	6.9	7.4	6.6	0.094	0.056	0.009	0.023
14:30:00	18.5	17.0	16.8	17.8	7.4	7.3	7.5	6.8	0.079	0.042	0.012	0.030
14:45:00	18.0	16.8	16.6	17.8	7.2	7.1	7.5	6.8	0.069	0.043	0.006	0.026
15:00:00	16.4	15.4	15.2	15.2	6.7	6.6	6.5	6.2	0.063	0.041	0.000	0.027
15:15:00	12.3	13.3	10.4	11.1	5.0	5.7	4.9	4.4	0.059	0.027	0.000	0.017
15:30:00	12.5	10.9	11.4	11.9	5.4	4.9	5.2	4.7	0.056	0.026	0.000	0.020
15:45:00	13.6	12.6	13.8	14.9	5.7	5.5	6.3	5.5	0.037	0.018	0.000	0.017
16:00:00	14.2	12.9	13.6	13.4	5.9	5.7	5.9	5.7	0.030	0.012	0.000	0.008
16:15:00	14.0	13.1	13.9	13.4	5.9	5.7	5.9	5.8	0.020	0.012	0.000	0.013
16:30:00	13.4	12.4	15.5	13.6	5.7	5.4	5.9	6.1	0.027	0.010	0.000	0.012
16:45:00	13.1	12.1	12.6	12.9	5.5	5.2	5.6	5.4	0.028	0.013	0.000	0.010
17:00:00	13.7	12.8	12.8	12.0	5.7	5.5	5.3	5.3	0.021	0.013	0.000	0.011
17:15:00	13.9	12.9	13.0	12.2	5.7	5.6	5.3	5.3	0.019	0.009	0.000	0.011
17:30:00	14.2	12.7	13.2	13.2	5.8	5.4	5.7	5.6	0.019	0.011	0.000	0.002
17:45:00	12.5	11.8	12.5	12.0	5.2	5.0	5.2	5.2	0.016	0.007	0.000	0.004
18:00:00	11.6	10.6	11.2	10.1	4.8	4.5	4.5	4.5	0.016	0.006	0.000	0.006
18:15:00	11.0	9.9	10.6	9.8	4.6	4.2	4.4	4.4	0.016	0.005	0.000	0.007
18:30:00	10.3	9.5	10.6	9.6	4.3	4.0	4.3	4.3	0.010	0.005	0.000	0.006
18:45:00	9.7	8.9	10.0	8.5	4.0	3.8	4.0	4.0	0.010	0.005	0.000	0.004
19:00:00	10.7	9.7	10.5	9.5	4.3	4.0	4.1	4.1	0.007	0.006	0.000	0.004
19:15:00	11.0	9.9	10.9	9.7	4.4	4.0	4.3	4.2	0.000	0.003	0.000	0.001
19:30:00	11.9	10.2	12.3	10.4	4.6	4.1	4.5	4.4	-0.008	0.001	0.000	0.001
19:45:00	11.3	11.1	14.0	10.5	4.5	4.1	4.5	4.7	-0.018	0.000	0.000	0.000
20:00:00	11.4	11.3	17.2	12.4	4.4	4.1	4.8	4.9	-0.028	0.000	0.004	0.000
20:15:00	10.7	12.7	14.2	11.2	4.3	4.2	4.4	4.6	-0.031	0.000	0.008	0.000
20:30:00	11.5	12.2	15.9	11.7	4.4	4.2	4.5	4.9	-0.030	0.000	0.008	0.000
20:45:00	11.5	11.9	18.8	12.5	4.3	4.0	4.5	5.0	-0.038	0.000	0.009	0.000
21:00:00	11.8	11.7	14.5	11.3	4.4	4.0	4.4	4.6	-0.040	0.000	0.002	0.000
21:15:00	11.9	12.5	15.4	12.7	4.4	4.0	4.6	4.7	-0.041	0.000	0.000	0.000
21:30:00	12.4	12.0	15.3	11.7	4.5	4.0	4.4	4.7	-0.042	0.000	0.000	0.000
21:45:00	12.5	12.6	21.5	12.1	4.6	3.9	4.5	5.4	-0.045	0.000	0.000	0.000
22:00:00	13.8	14.1	23.6	11.6	4.7	4.1	4.7	5.9	-0.047	0.000	0.000	0.000
22:15:00	14.1	12.9	24.6	12.7	4.8	4.1	5.0	5.7	-0.049	0.000	0.000	0.000
22:30:00	13.3	12.9	23.0	14.0	4.8	4.0	5.3	5.9	-0.050	0.000	0.000	0.000
22:45:00	15.3	14.1	21.1	14.1	5.2	4.2	5.2	5.7	-0.049	0.000	0.000	0.000
23:00:00	17.2	14.4	33.3	13.2	5.3	4.4	5.1	8.0	-0.051	0.000	0.000	0.000
23:15:00	15.7	14.8	25.4	13.5	5.1	4.4	5.1	6.5	-0.051	0.000	0.000	0.000
23:30:00	13.8	12.6	26.5	13.3	5.0	4.2	4.9	6.3	-0.052	0.000	0.000	0.000
23:45:00	14.4	13.3	19.4	14.2	5.0	4.3	4.9	5.3	-0.051	0.000	0.001	0.000



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