



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-08-20

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.04500 Max : 16.55	2943 ESE	2995 NNE	2996 SW	2997 WNW	Min : 73.76 Max : 102.9	Min : 47.40 Max : 94.30	Min : 29.75 Max : 29.98

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	28.4	278.9	11.7	49.5	-0.032	0.092
2995	16.1	24.1	9.3	12.8	0.009	0.076
2996	20.6	89.1	12.2	27.5	0.004	0.070
2997	18.8	60.6	10.7	17.6	0.004	0.041

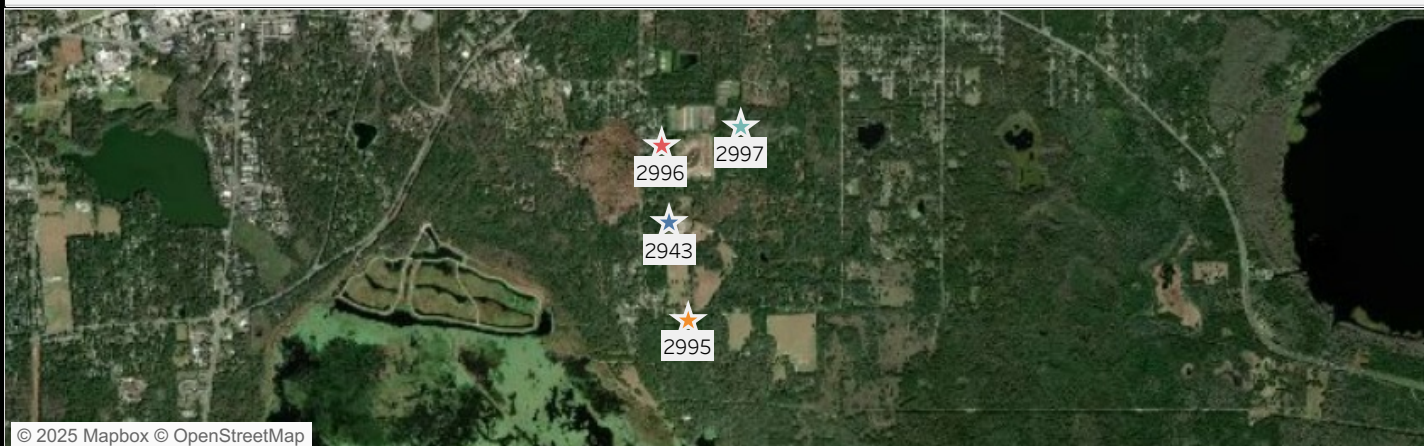


Figure 1 : Monitoring Locations

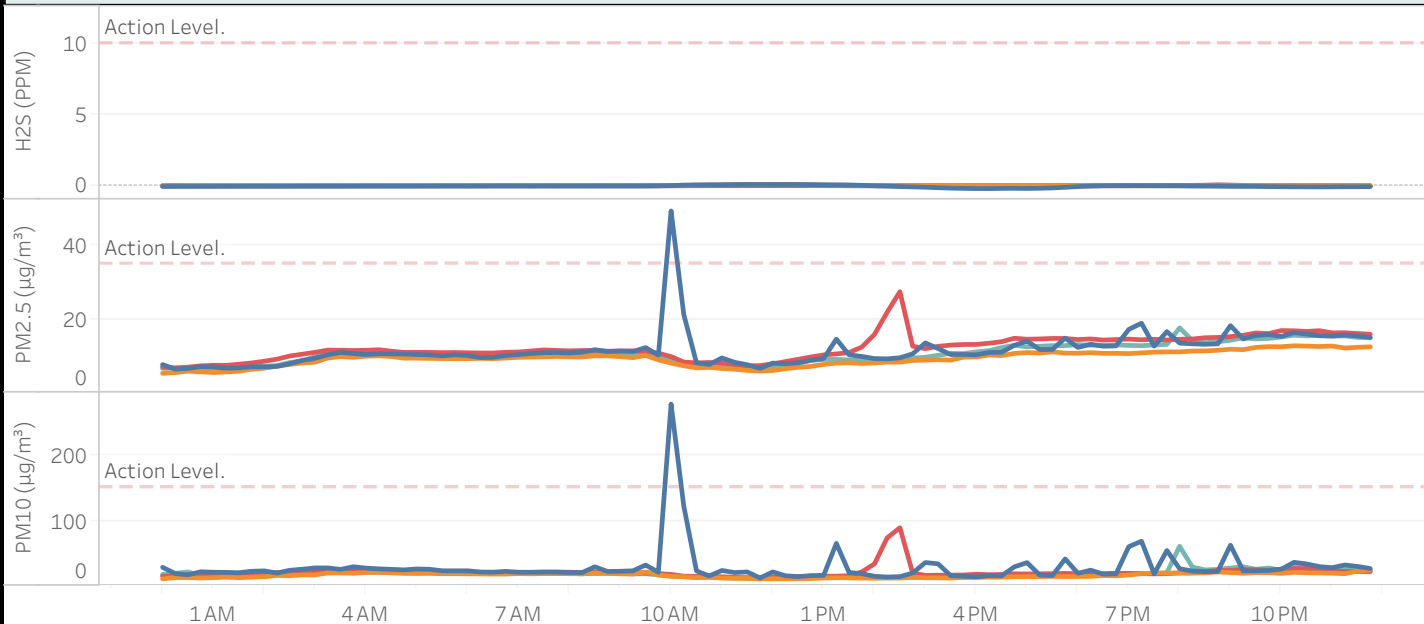


Figure 2 : 15 Minutes Average Concentrations

■ 2943 ■ 2995 ■ 2996 ■ 2997



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Wind Rose Chart 2943

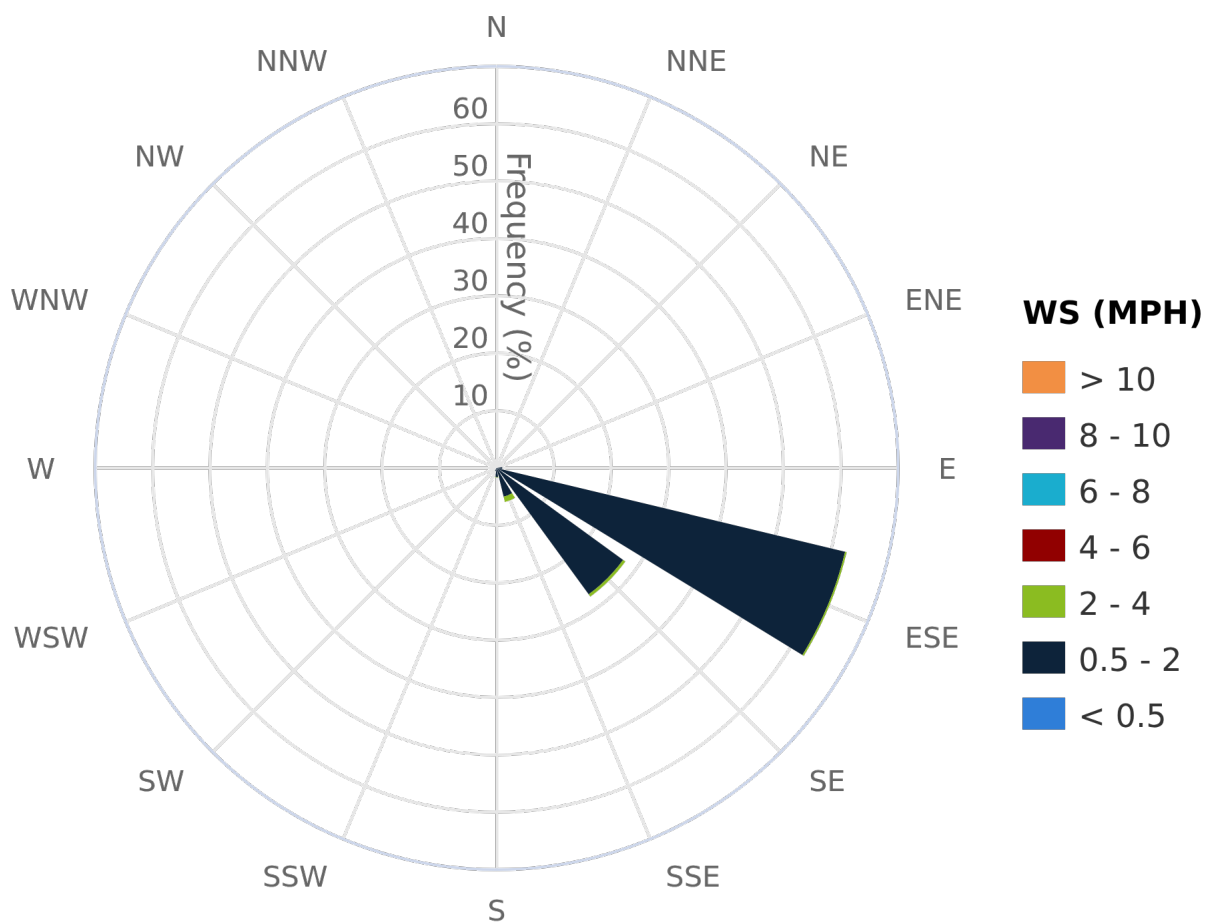


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

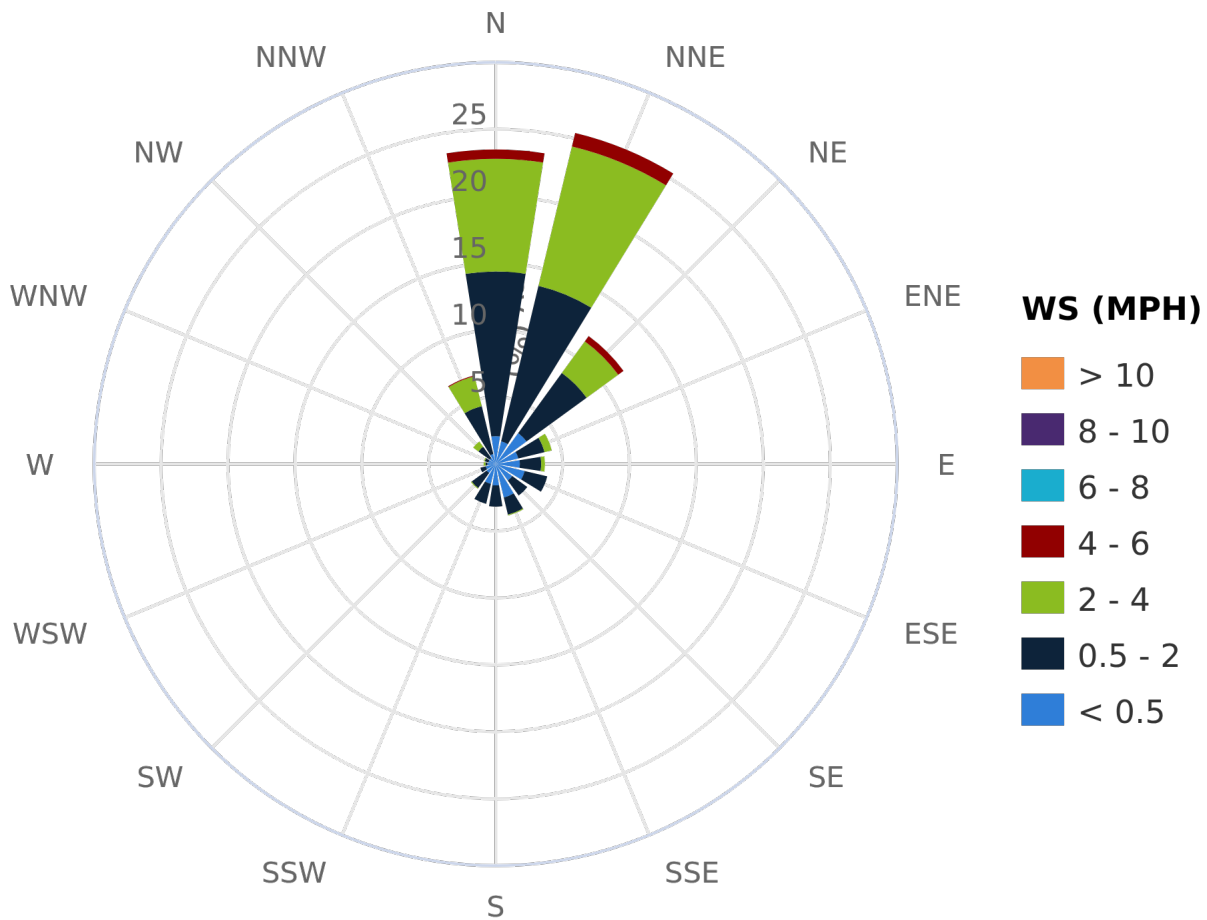


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

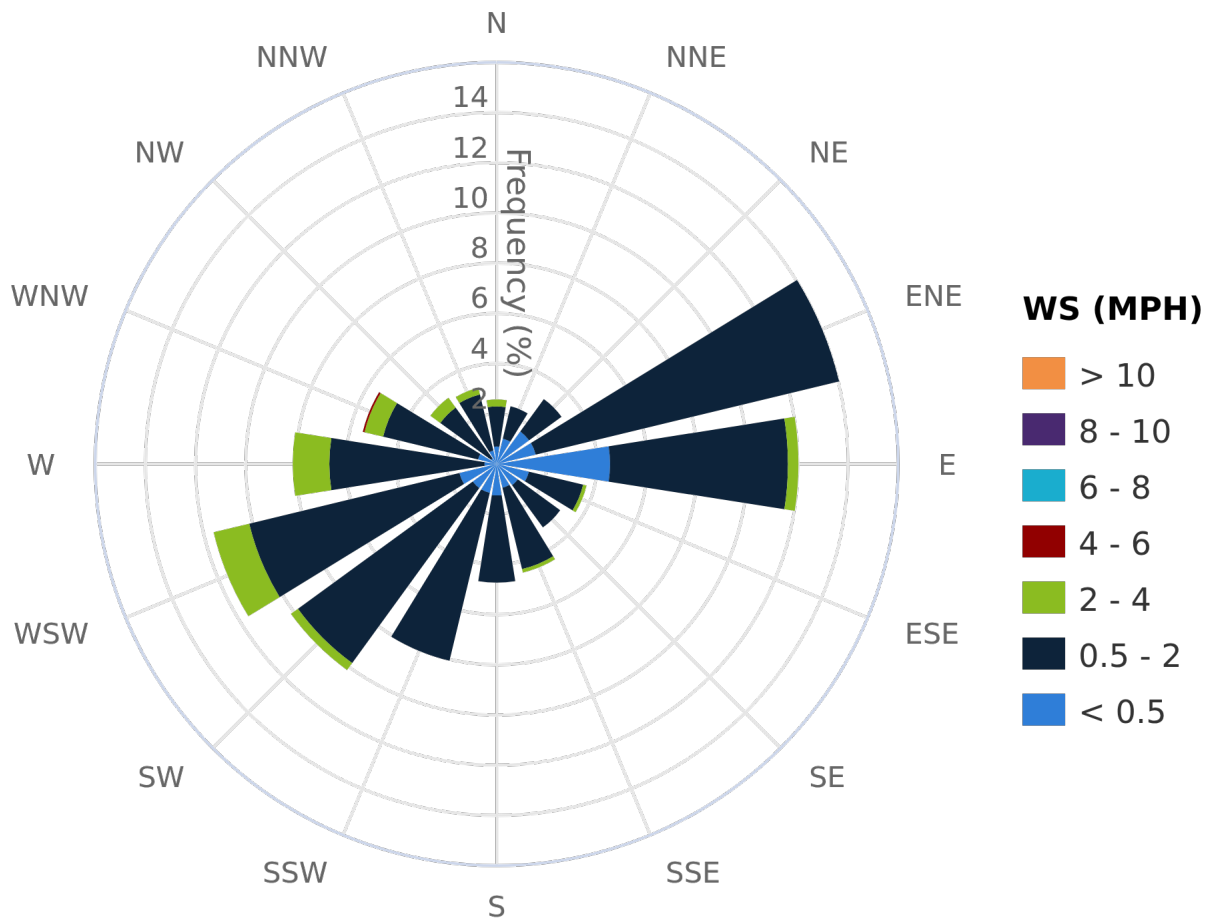


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

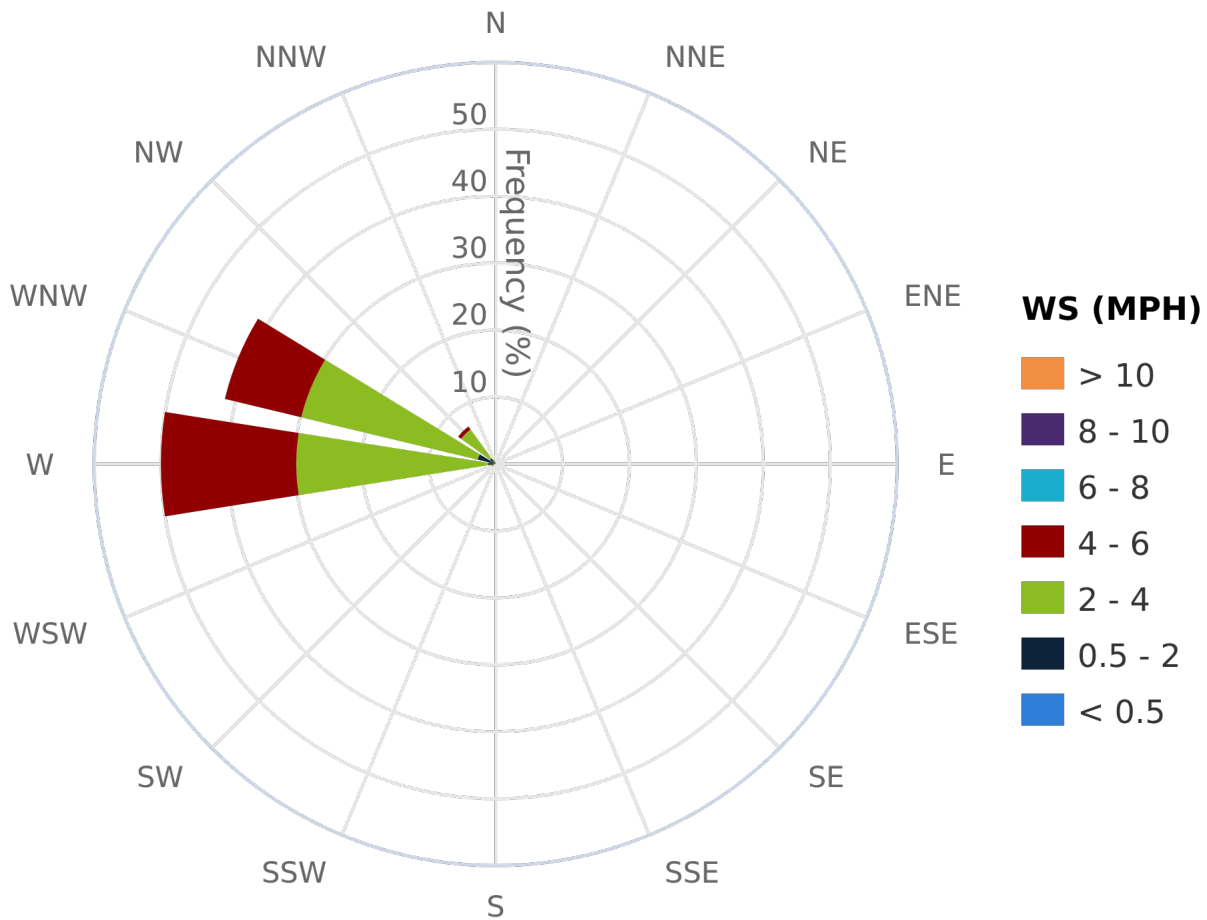


Figure 3 : Wind Rose Chart (WS in MPH)



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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	28.3	10.7	17.4	14.6	7.6	5.3	7.0	6.6	-0.052	0.000	0.000	0.000
00:15:00	18.8	12.6	19.2	14.6	6.4	5.5	6.7	6.7	-0.048	0.000	0.022	0.000
00:30:00	16.9	12.5	21.2	16.4	6.6	5.9	6.9	6.8	-0.047	0.000	0.007	0.000
00:45:00	21.5	12.0	15.6	16.6	7.1	5.6	7.3	6.7	-0.045	0.000	0.000	0.000
01:00:00	20.8	12.4	15.7	15.8	7.0	5.5	7.4	6.7	-0.045	0.000	0.000	0.000
01:15:00	20.6	13.3	16.1	16.6	6.7	5.6	7.4	6.7	-0.042	0.000	0.000	0.000
01:30:00	20.0	12.4	18.1	19.3	6.7	5.8	7.7	7.2	-0.040	0.000	0.000	0.000
01:45:00	22.2	13.2	17.6	17.7	7.0	6.4	8.1	7.4	-0.042	0.000	0.000	0.000
02:00:00	22.8	13.8	16.3	19.1	7.0	6.7	8.5	7.2	-0.040	0.000	0.000	0.000
02:15:00	19.5	15.8	18.1	20.4	7.1	7.2	9.1	7.4	-0.038	0.000	0.000	0.000
02:30:00	23.8	15.5	19.7	20.2	7.9	7.7	10.0	8.2	-0.038	0.000	0.000	0.000
02:45:00	25.5	16.7	18.8	19.7	8.8	8.1	10.5	8.7	-0.037	0.000	0.000	0.000
03:00:00	27.4	16.7	19.8	21.1	9.4	8.3	11.0	9.8	-0.035	0.000	0.000	0.000
03:15:00	27.4	19.6	20.9	22.8	10.3	9.5	11.6	10.6	-0.035	0.000	0.000	0.000
03:30:00	25.1	19.8	22.1	22.3	10.9	9.8	11.5	11.1	-0.034	0.000	0.000	0.000
03:45:00	29.2	19.1	20.5	22.8	10.6	9.6	11.5	10.8	-0.032	0.000	0.000	0.000
04:00:00	27.1	20.4	20.7	22.3	10.4	9.9	11.5	10.6	-0.027	0.000	0.000	0.000
04:15:00	26.0	20.4	21.1	22.4	10.6	10.0	11.7	10.7	-0.030	0.000	0.000	0.000
04:30:00	25.2	19.8	20.7	21.6	10.5	9.8	11.3	10.6	-0.027	0.000	0.000	0.000
04:45:00	24.4	19.0	20.2	20.8	10.5	9.4	10.9	10.5	-0.027	0.000	0.000	0.000
05:00:00	25.8	18.8	20.1	21.0	10.4	9.4	11.0	10.5	-0.027	0.000	0.000	0.000
05:15:00	25.4	19.0	20.7	20.7	10.3	9.3	11.0	10.4	-0.024	0.000	0.000	0.000
05:30:00	23.0	18.4	20.2	20.5	10.0	9.3	10.9	10.2	-0.023	0.000	0.000	0.000
05:45:00	22.9	18.5	19.8	20.5	10.3	9.3	10.9	10.2	-0.021	0.000	0.000	0.000
06:00:00	23.0	18.3	20.1	20.9	10.1	9.2	10.9	10.1	-0.024	0.000	0.000	0.000
06:15:00	21.2	18.1	19.4	19.8	9.5	9.3	10.8	10.0	-0.021	0.000	0.000	0.000
06:30:00	20.9	17.9	18.6	19.8	9.6	9.2	10.8	10.1	-0.019	0.000	0.000	0.000
06:45:00	22.1	18.1	18.3	20.3	10.1	9.4	11.0	10.3	-0.018	0.000	0.000	0.000
07:00:00	20.8	18.6	19.0	20.2	10.4	9.6	11.1	10.4	-0.019	0.000	0.000	0.000
07:15:00	20.7	18.3	18.8	20.6	10.7	9.7	11.3	10.5	-0.021	0.000	0.000	0.000
07:30:00	21.1	18.7	19.5	20.9	10.9	9.7	11.6	10.7	-0.020	0.000	0.000	0.000
07:45:00	21.0	18.7	18.8	21.0	10.9	9.9	11.5	10.6	-0.021	0.000	0.000	0.000
08:00:00	20.4	18.5	19.1	20.8	10.8	9.7	11.4	10.7	-0.019	0.000	0.000	0.000
08:15:00	20.3	18.3	18.2	20.3	11.0	9.7	11.5	10.5	-0.020	0.000	0.000	0.000
08:30:00	29.1	19.2	19.1	20.5	11.7	10.0	11.5	10.7	-0.019	0.000	0.000	0.000
08:45:00	22.0	19.4	18.7	20.1	11.2	10.0	11.3	10.6	-0.019	0.000	0.000	0.000
09:00:00	22.3	18.3	18.9	20.3	11.3	9.8	11.3	10.7	-0.019	0.000	0.000	0.000
09:15:00	22.9	18.0	18.2	20.0	11.2	9.5	11.4	10.5	-0.019	0.000	0.000	0.000
09:30:00	31.8	21.2	18.4	19.7	12.3	10.1	11.2	10.6	-0.013	0.000	0.000	0.000
09:45:00	20.8	16.5	16.8	18.7	10.2	8.9	10.8	9.7	-0.006	0.005	0.000	0.000
10:00:00	278.9	14.6	14.7	17.4	49.5	8.0	9.8	8.8	0.012	0.018	0.000	0.000
10:15:00	122.2	13.8	14.0	14.8	21.3	7.3	8.3	7.9	0.046	0.033	0.000	0.003
10:30:00	22.7	12.5	12.6	14.3	8.1	6.8	8.1	7.4	0.060	0.045	0.000	0.013
10:45:00	15.0	13.1	13.0	14.1	7.7	6.9	8.2	7.4	0.070	0.055	0.002	0.023
11:00:00	23.5	11.9	12.4	13.8	9.5	6.6	8.1	7.3	0.074	0.059	0.003	0.026
11:15:00	20.3	11.6	11.6	12.8	8.3	6.4	7.6	6.7	0.085	0.069	0.001	0.031
11:30:00	21.2	11.1	11.8	12.5	7.6	6.0	7.3	6.5	0.090	0.071	0.009	0.037
11:45:00	12.0	10.8	10.5	12.0	6.6	5.9	7.4	6.2	0.090	0.073	0.010	0.041



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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	21.3	10.7	12.4	12.8	8.0	6.0	7.8	7.0	0.088	0.075	0.010	0.040
12:15:00	15.3	10.6	12.8	13.0	7.9	6.5	8.5	7.6	0.092	0.069	0.012	0.041
12:30:00	14.1	10.9	12.1	13.6	8.1	6.9	9.1	8.0	0.089	0.076	0.010	0.038
12:45:00	15.6	11.1	13.1	14.2	8.8	7.1	9.7	8.8	0.083	0.057	0.010	0.032
13:00:00	16.0	11.9	13.1	14.8	9.3	7.7	10.3	9.0	0.071	0.049	0.009	0.022
13:15:00	65.1	12.3	13.2	14.7	14.6	8.1	10.5	9.0	0.061	0.045	0.004	0.014
13:30:00	20.3	12.1	12.5	15.4	10.3	8.1	10.9	8.9	0.057	0.036	0.000	0.001
13:45:00	18.6	11.7	13.1	21.2	9.9	8.0	12.4	8.8	0.032	0.022	0.000	0.000
14:00:00	14.6	11.6	12.2	33.7	9.3	8.1	15.9	8.6	-0.004	0.004	0.000	0.000
14:15:00	13.4	12.1	12.1	73.7	9.2	8.3	21.9	8.8	-0.026	0.000	0.000	0.000
14:30:00	14.0	11.8	12.4	89.1	9.5	8.3	27.5	9.0	-0.055	0.000	0.000	0.000
14:45:00	19.5	13.0	12.9	19.8	10.6	8.7	12.7	9.4	-0.078	0.000	0.000	0.000
15:00:00	35.7	12.3	13.0	15.9	13.5	8.9	12.0	9.6	-0.103	0.000	0.000	0.000
15:15:00	33.7	12.2	13.7	16.2	12.0	8.9	12.6	10.2	-0.137	0.000	0.000	0.000
15:30:00	15.5	11.9	14.3	16.3	10.4	8.9	12.9	10.7	-0.165	0.000	0.000	0.000
15:45:00	14.7	12.6	13.7	16.6	10.4	9.7	13.1	10.6	-0.184	0.000	0.000	0.000
16:00:00	13.6	12.8	14.4	17.8	10.3	9.7	13.1	11.1	-0.196	0.000	0.000	0.000
16:15:00	15.7	13.3	14.9	17.0	10.9	10.2	13.4	11.4	-0.198	0.000	0.000	0.000
16:30:00	15.3	13.2	16.7	17.3	11.0	10.1	13.9	12.3	-0.184	0.000	0.000	0.000
16:45:00	29.1	13.8	18.0	18.2	12.9	10.7	14.8	12.9	-0.180	0.000	0.000	0.000
17:00:00	35.6	14.1	16.2	18.1	14.0	10.9	14.5	12.4	-0.188	0.000	0.000	0.000
17:15:00	16.5	14.1	16.2	18.3	11.7	10.8	14.6	12.6	-0.176	0.000	0.000	0.000
17:30:00	15.8	14.4	16.8	18.6	11.8	11.1	14.8	12.8	-0.150	0.000	0.000	0.000
17:45:00	41.2	14.1	16.9	19.0	14.9	10.8	14.7	12.8	-0.107	0.000	0.000	0.000
18:00:00	19.1	14.2	16.9	18.5	12.3	10.7	14.5	13.1	-0.059	0.005	0.000	0.000
18:15:00	24.0	14.4	17.5	18.7	13.2	10.9	14.6	12.9	-0.019	0.001	0.000	0.003
18:30:00	17.8	15.8	18.7	17.9	12.6	10.7	14.3	12.9	-0.002	0.008	0.000	0.010
18:45:00	18.3	15.2	19.2	19.1	12.7	10.7	14.4	13.0	0.003	0.005	0.000	0.005
19:00:00	60.0	16.5	18.6	19.2	17.2	10.6	14.6	12.9	0.008	0.000	0.003	0.004
19:15:00	68.4	18.6	18.5	18.6	18.9	10.8	14.4	12.8	0.007	0.000	0.015	0.000
19:30:00	18.4	19.8	18.9	18.2	12.7	11.0	14.5	13.0	0.002	0.001	0.016	0.000
19:45:00	54.2	19.3	19.8	18.5	16.6	11.1	14.3	13.1	0.000	0.000	0.008	0.000
20:00:00	26.2	19.3	60.6	20.1	13.5	11.1	14.5	17.6	-0.001	0.000	0.016	0.000
20:15:00	22.7	19.4	28.8	20.9	13.3	11.3	14.6	14.2	-0.015	0.000	0.026	0.000
20:30:00	21.7	19.8	24.4	21.6	13.2	11.4	15.0	13.6	-0.017	0.000	0.043	0.000
20:45:00	22.0	21.2	25.1	23.6	13.3	11.5	15.0	13.8	-0.026	0.000	0.070	0.000
21:00:00	62.2	20.2	27.3	23.5	18.2	11.8	15.3	14.3	-0.039	0.000	0.050	0.000
21:15:00	23.1	19.2	29.1	24.9	14.6	11.7	15.6	14.9	-0.042	0.000	0.029	0.000
21:30:00	23.1	20.1	25.3	24.7	15.6	12.3	16.2	14.6	-0.047	0.000	0.010	0.000
21:45:00	23.6	20.0	27.3	23.9	15.8	12.5	16.1	14.8	-0.057	0.000	0.005	0.000
22:00:00	25.4	19.0	23.9	25.5	15.3	12.5	16.9	15.2	-0.067	0.000	0.000	0.000
22:15:00	36.0	20.5	30.3	26.3	16.3	12.8	16.8	15.6	-0.074	0.000	0.010	0.000
22:30:00	33.5	19.9	29.3	26.7	15.9	12.7	16.7	15.4	-0.079	0.000	0.000	0.000
22:45:00	29.4	19.6	25.5	23.1	15.5	12.6	16.9	15.6	-0.080	0.000	0.000	0.000
23:00:00	27.8	19.3	23.5	22.0	15.4	12.7	16.3	15.4	-0.074	0.000	0.000	0.000
23:15:00	31.9	18.6	25.0	22.1	15.7	12.1	16.3	15.4	-0.067	0.000	0.000	0.000
23:30:00	29.6	22.5	24.7	21.8	15.4	12.3	16.1	15.0	-0.066	0.000	0.000	0.000
23:45:00	26.5	24.1	22.2	21.8	15.0	12.5	15.9	14.9	-0.063	0.000	0.000	0.000



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Table 4 : Summary of Exceedances (greater than Action Level) -

Minute of 15-min intv	Avg. 2943 - PM10 (µg/m³)	Avg. 2995 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2997 - 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)
10:00:00	278.9				49.5							