



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-08-03

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0 Max : 7.203	2943 SE	2995 NE	2996 ENE	2997 W	Min : 73.94 Max : 98.96	Min : 58.60 Max : 100.0	Min : 29.90 Max : 30.12

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	22.7	147.9	11.2	109.6	-0.003	0.088
2995	14.5	25.8	5.5	9.7	0.011	0.077
2996	16.6	67.0	7.3	48.5	0.004	0.047
2997	22.0	60.6	6.0	11.2	0.005	0.043

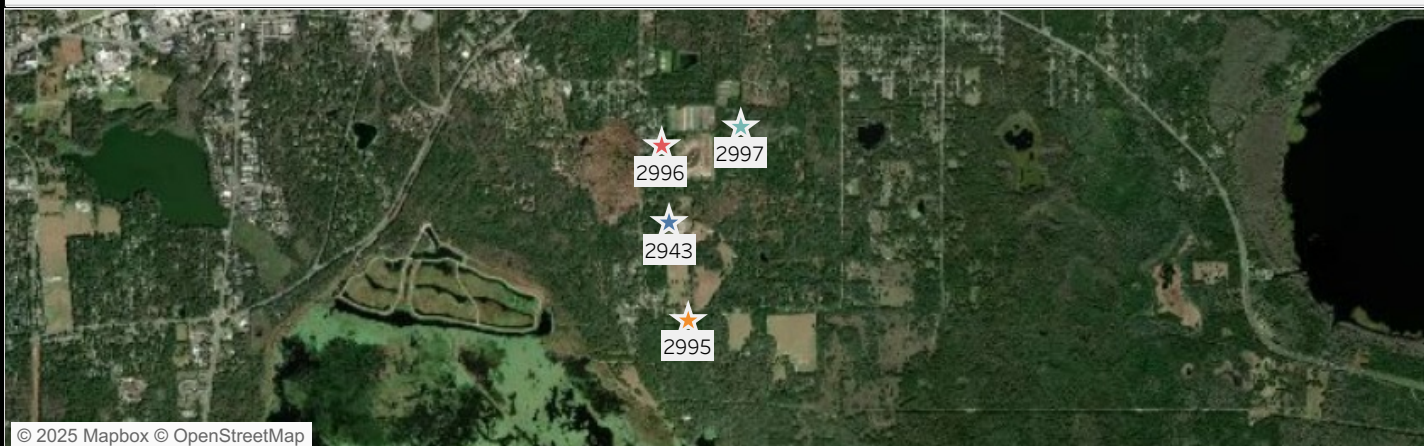
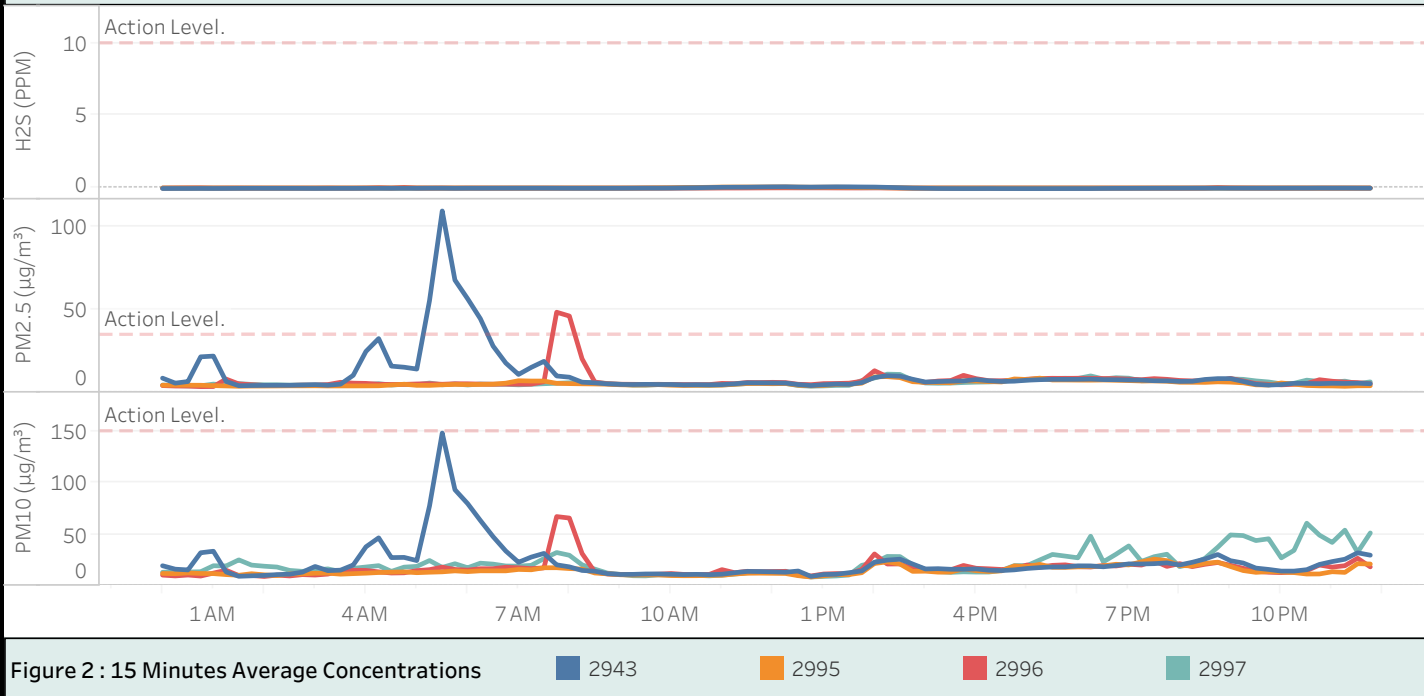


Figure 1 : Monitoring Locations





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Wind Rose Chart 2943

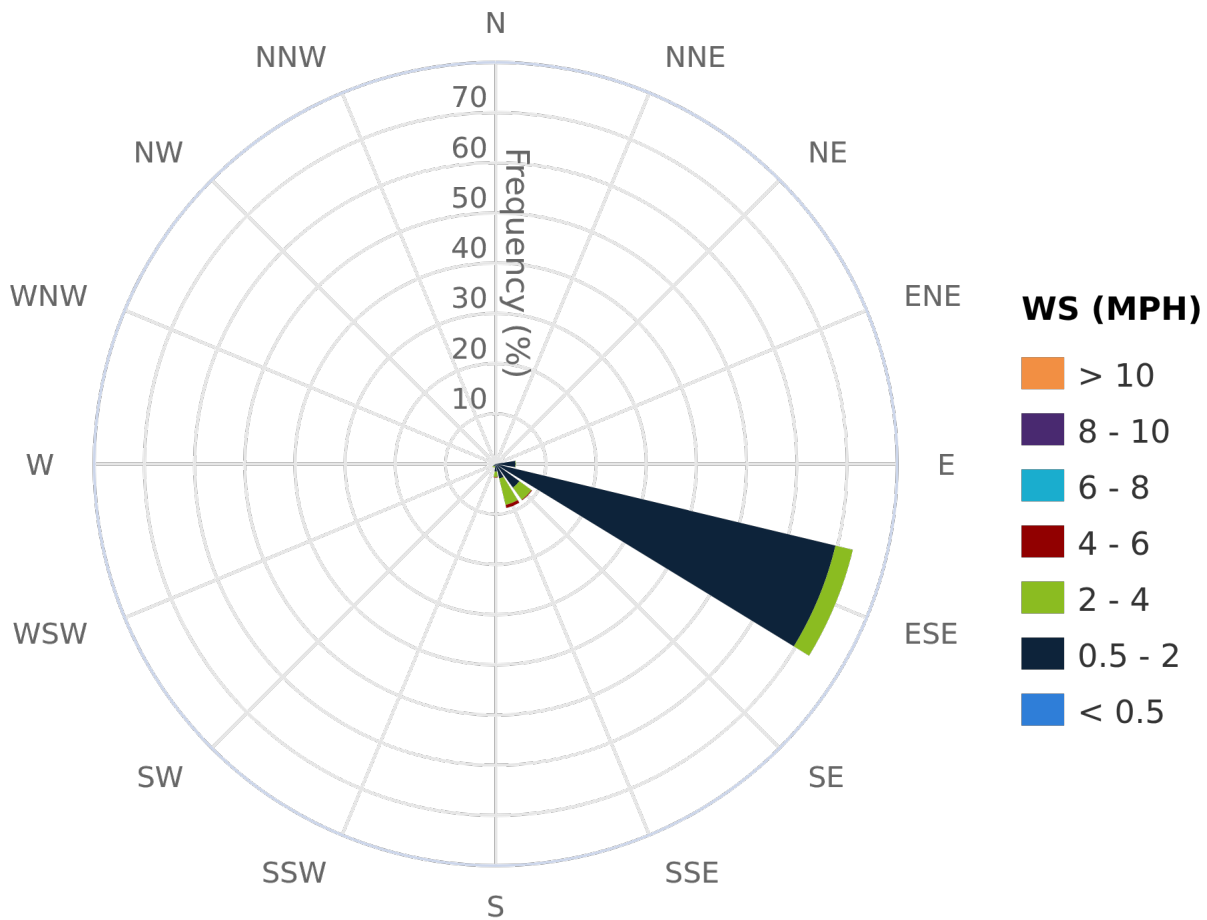


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

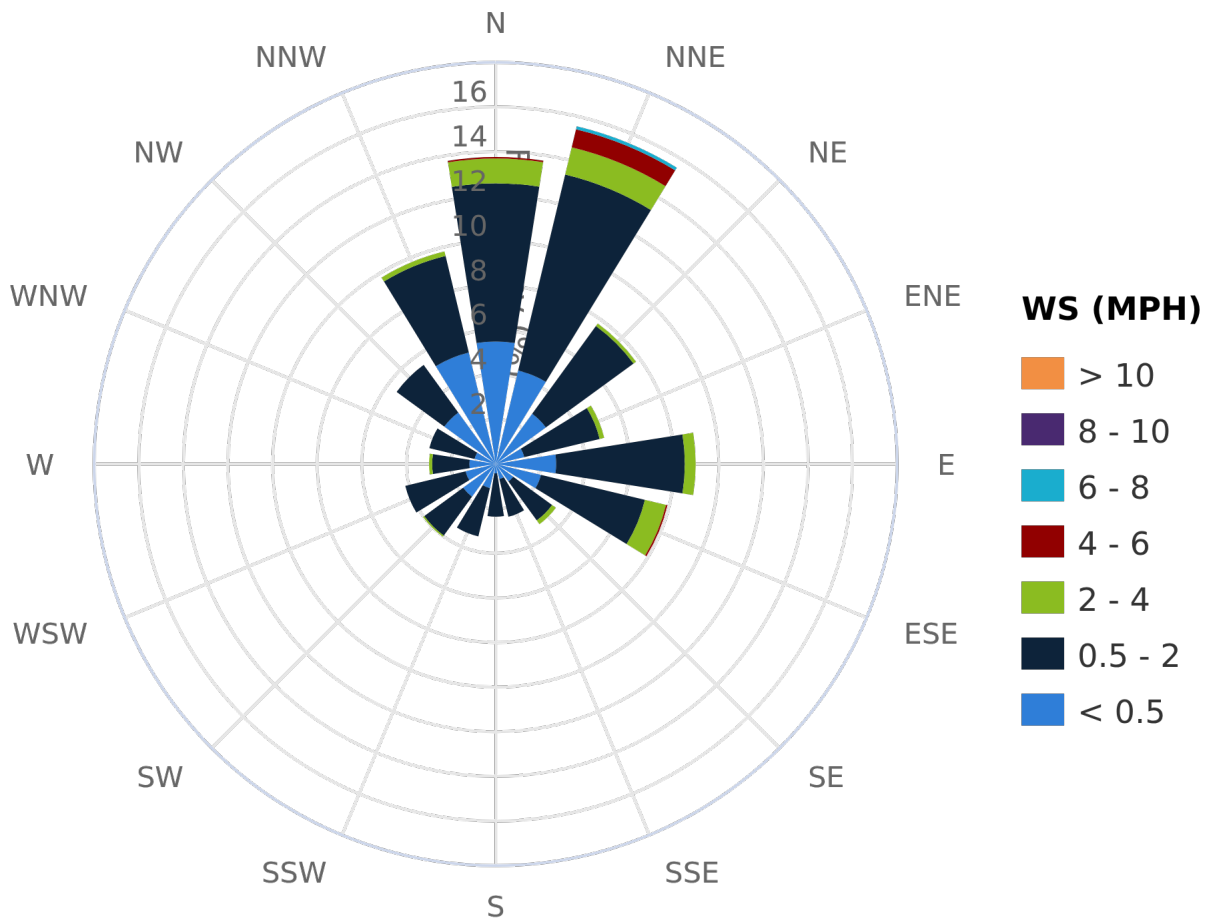


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

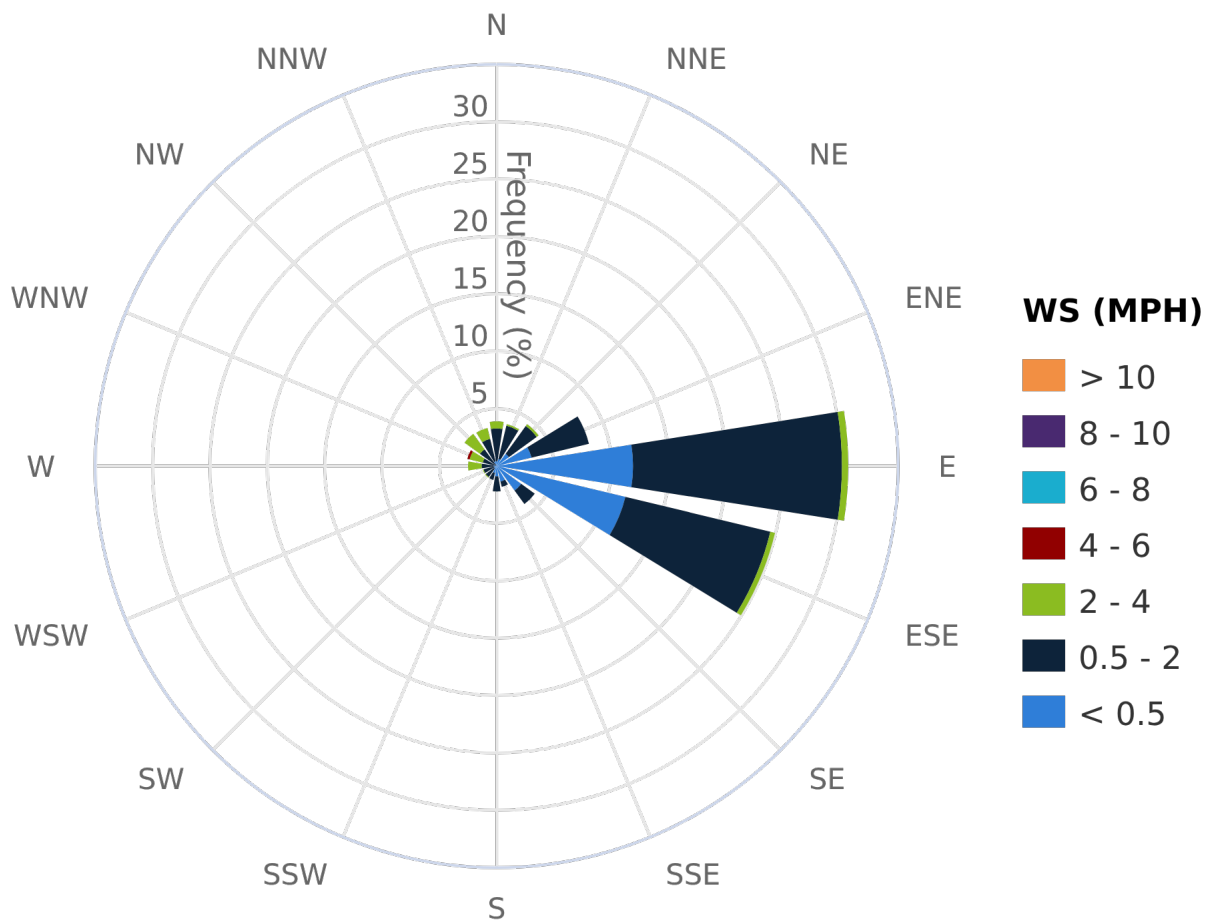


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

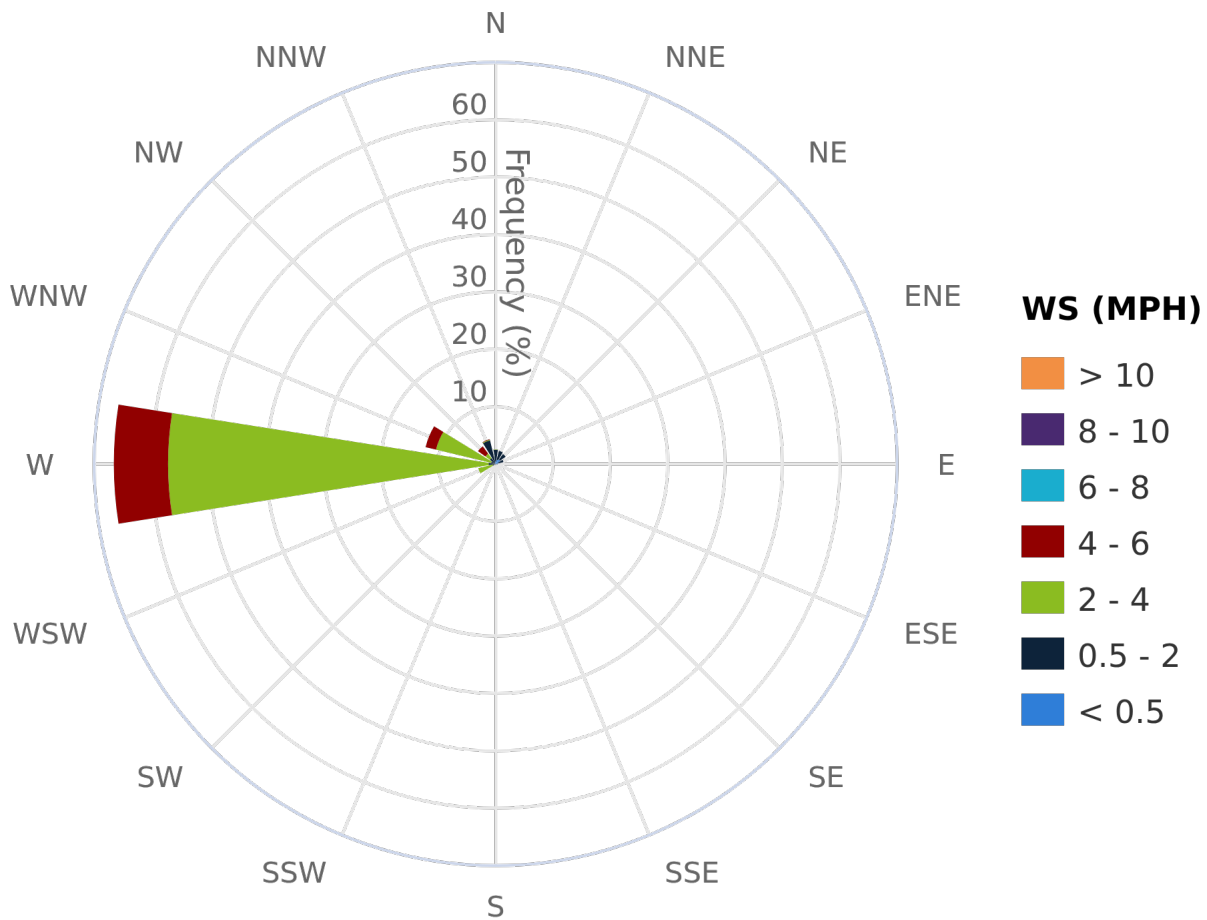


Figure 3 : Wind Rose Chart (WS in MPH)



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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	19.4	11.9	13.1	10.3	8.7	4.5	4.2	4.6	-0.031	0.000	0.000	0.000
00:15:00	16.1	11.7	13.7	9.5	5.7	4.5	4.0	4.3	-0.029	0.000	0.008	0.000
00:30:00	15.3	12.4	13.3	10.4	6.7	4.5	3.9	4.1	-0.029	0.000	0.014	0.000
00:45:00	32.0	11.9	13.6	9.4	21.6	4.5	3.6	4.1	-0.026	0.000	0.016	0.000
01:00:00	33.4	11.8	19.4	12.3	22.1	4.2	3.7	5.2	-0.028	0.000	0.001	0.000
01:15:00	13.4	10.8	19.2	15.0	6.8	4.0	8.2	4.6	-0.026	0.000	0.004	0.000
01:30:00	9.2	10.2	25.1	9.9	4.2	3.8	5.2	5.5	-0.021	0.000	0.005	0.000
01:45:00	9.6	11.7	20.0	10.0	4.3	4.0	4.8	5.0	-0.019	0.000	0.001	0.000
02:00:00	10.0	10.6	18.9	9.0	4.4	4.0	4.4	4.8	-0.020	0.000	0.000	0.000
02:15:00	10.8	9.9	18.1	10.3	4.4	4.0	4.3	4.8	-0.020	0.000	0.000	0.000
02:30:00	11.2	11.4	14.9	9.5	4.4	4.1	4.4	4.5	-0.022	0.000	0.000	0.000
02:45:00	13.2	11.5	14.0	10.8	4.6	4.1	4.5	4.6	-0.023	0.000	0.000	0.000
03:00:00	18.7	12.1	15.3	10.4	4.8	4.1	4.5	4.6	-0.026	0.000	0.000	0.000
03:15:00	14.7	12.2	16.4	11.3	4.5	4.0	4.9	4.6	-0.025	0.000	0.006	0.000
03:30:00	15.1	11.2	13.8	14.2	5.1	4.0	6.2	4.4	-0.022	0.000	0.000	0.000
03:45:00	20.1	11.7	16.9	15.0	10.5	4.0	5.7	4.6	-0.022	0.000	0.000	0.000
04:00:00	37.7	12.2	18.2	14.9	24.9	4.1	5.6	4.9	-0.019	0.000	0.007	0.000
04:15:00	46.4	12.8	19.5	13.5	32.6	4.1	5.1	5.4	-0.018	0.000	0.028	0.000
04:30:00	27.3	13.2	13.9	12.4	16.0	4.6	5.0	4.6	-0.019	0.000	0.005	0.000
04:45:00	27.5	13.5	18.0	12.5	15.3	5.1	5.0	5.0	-0.017	0.000	0.047	0.000
05:00:00	24.4	12.7	18.8	14.7	14.2	4.4	5.2	4.8	-0.018	0.000	0.006	0.000
05:15:00	77.3	13.1	24.4	15.6	55.5	4.4	5.4	5.8	-0.012	0.000	0.002	0.000
05:30:00	147.9	13.5	17.8	18.0	109.6	4.7	5.1	4.7	-0.011	0.000	0.007	0.000
05:45:00	93.0	14.4	21.3	15.8	67.9	5.0	5.4	5.2	-0.019	0.000	0.000	0.000
06:00:00	79.6	13.7	17.5	15.2	56.6	4.9	5.3	4.6	-0.014	0.000	0.003	0.000
06:15:00	63.2	14.5	21.9	16.5	44.6	5.0	5.2	5.2	-0.014	0.000	0.002	0.000
06:30:00	47.6	14.5	21.0	16.5	28.1	5.1	5.1	5.0	-0.011	0.000	0.000	0.000
06:45:00	33.7	14.4	19.2	17.9	17.9	5.7	5.2	5.0	-0.011	0.000	0.000	0.000
07:00:00	22.8	15.8	19.0	17.4	11.0	7.2	5.1	4.7	-0.009	0.000	0.000	0.000
07:15:00	27.8	15.5	19.8	16.7	15.2	7.0	5.2	5.0	-0.009	0.000	0.000	0.000
07:30:00	31.4	17.4	26.3	17.3	18.9	7.0	6.6	5.4	-0.010	0.000	0.000	0.000
07:45:00	20.3	17.5	32.2	67.0	10.1	5.6	48.5	5.6	-0.013	0.000	0.000	0.000
08:00:00	18.3	16.7	29.6	65.6	9.3	5.4	46.2	6.0	-0.015	0.000	0.000	0.000
08:15:00	14.8	16.2	20.3	31.3	6.3	5.3	20.4	6.2	-0.016	0.000	0.000	0.000
08:30:00	14.1	12.4	16.1	13.4	5.9	5.2	6.4	6.2	-0.015	0.000	0.000	0.000
08:45:00	11.7	11.5	12.3	11.4	5.3	5.1	5.4	5.6	-0.015	0.000	0.000	0.000
09:00:00	10.9	10.6	11.1	11.0	5.0	4.7	5.1	5.1	-0.014	0.000	0.000	0.000
09:15:00	11.0	10.4	9.7	10.9	4.9	4.6	5.0	4.5	-0.011	0.001	0.000	0.000
09:30:00	11.4	10.5	9.6	11.0	5.0	4.7	5.0	4.5	-0.006	0.009	0.000	0.000
09:45:00	11.5	10.5	10.6	11.2	4.9	4.8	5.0	4.9	-0.005	0.015	0.000	0.000
10:00:00	11.1	9.9	10.6	11.9	4.9	4.5	4.9	4.8	0.001	0.019	0.000	0.000
10:15:00	10.8	9.7	10.4	11.0	4.7	4.3	4.8	4.6	0.016	0.036	0.000	0.001
10:30:00	11.1	9.8	10.1	10.9	4.8	4.4	4.8	4.5	0.024	0.042	0.000	0.004
10:45:00	10.8	10.1	9.6	11.0	4.7	4.5	4.9	4.3	0.038	0.053	0.001	0.014
11:00:00	11.2	10.1	10.3	15.6	4.9	4.6	5.6	4.6	0.052	0.070	0.002	0.026
11:15:00	12.6	11.4	11.3	12.7	5.3	5.1	5.4	5.0	0.058	0.072	0.002	0.033
11:30:00	13.9	12.1	12.6	14.0	5.9	5.5	6.1	5.5	0.061	0.074	0.004	0.037
11:45:00	13.8	12.2	13.6	13.5	5.9	5.5	6.1	5.8	0.074	0.071	0.008	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	13.5	12.1	12.9	13.8	5.8	5.4	6.2	5.6	0.083	0.076	0.012	0.042
12:15:00	13.1	11.9	14.1	13.9	5.8	5.5	6.1	5.6	0.088	0.077	0.013	0.043
12:30:00	14.3	9.7	10.2	10.7	4.9	4.5	5.1	4.3	0.072	0.066	0.012	0.038
12:45:00	9.1	8.5	8.5	9.5	4.3	4.1	4.8	3.9	0.066	0.058	0.012	0.032
13:00:00	10.9	9.7	9.0	11.4	4.8	4.4	5.4	4.1	0.076	0.061	0.012	0.032
13:15:00	11.1	10.8	9.5	11.8	5.2	4.9	5.5	4.4	0.085	0.061	0.008	0.033
13:30:00	12.7	10.8	10.4	11.6	5.0	5.0	5.7	4.4	0.083	0.052	0.006	0.029
13:45:00	14.4	12.7	19.8	15.7	6.1	5.7	6.9	7.3	0.074	0.038	0.006	0.026
14:00:00	22.8	21.6	22.4	30.8	9.1	9.5	13.2	8.9	0.069	0.036	0.011	0.024
14:15:00	24.8	23.2	28.4	21.0	10.2	9.7	9.6	11.2	0.048	0.019	0.005	0.034
14:30:00	25.7	21.1	28.3	21.1	10.0	9.1	9.5	11.0	0.022	0.006	0.000	0.020
14:45:00	21.1	14.0	20.3	16.9	8.1	6.6	7.7	7.5	-0.004	0.000	0.000	0.004
15:00:00	16.3	14.1	15.9	15.4	6.4	6.2	6.1	5.8	-0.016	0.000	0.000	0.000
15:15:00	16.6	13.2	13.7	15.9	6.7	6.1	7.0	5.7	-0.029	0.000	0.000	0.000
15:30:00	16.0	13.3	13.0	15.5	6.9	6.0	7.3	5.8	-0.033	0.000	0.000	0.000
15:45:00	16.0	16.4	13.5	19.7	7.1	7.1	10.4	6.1	-0.035	0.000	0.000	0.000
16:00:00	16.3	14.6	13.3	16.9	7.9	7.0	8.4	6.3	-0.034	0.000	0.000	0.000
16:15:00	15.0	13.8	13.3	16.4	7.2	6.6	7.2	6.4	-0.032	0.000	0.000	0.000
16:30:00	14.7	14.4	14.8	15.8	6.7	6.4	7.2	6.9	-0.035	0.000	0.000	0.000
16:45:00	15.4	19.2	19.5	16.6	6.9	8.3	7.4	7.4	-0.036	0.000	0.000	0.000
17:00:00	16.7	18.6	19.6	20.2	7.5	7.9	8.1	7.7	-0.037	0.000	0.000	0.000
17:15:00	17.6	20.7	25.0	17.9	7.8	8.8	8.5	8.3	-0.037	0.000	0.000	0.000
17:30:00	18.2	17.9	30.3	19.8	8.0	7.6	8.7	8.6	-0.035	0.000	0.000	0.000
17:45:00	18.3	17.8	28.7	20.3	8.0	7.6	8.6	8.7	-0.034	0.000	0.000	0.000
18:00:00	19.3	18.3	27.1	18.5	8.0	7.6	8.7	8.6	-0.033	0.000	0.000	0.000
18:15:00	19.3	18.6	48.0	18.1	8.2	7.5	8.6	10.1	-0.033	0.000	0.000	0.000
18:30:00	18.4	19.3	23.2	19.6	7.9	7.6	8.5	8.3	-0.026	0.000	0.000	0.000
18:45:00	19.7	20.8	30.6	19.2	7.8	7.5	8.5	9.0	-0.022	0.000	0.000	0.000
19:00:00	21.2	20.2	38.6	20.8	7.6	7.3	8.1	8.7	-0.020	0.000	0.000	0.000
19:15:00	21.1	23.2	23.6	20.0	7.5	7.0	7.8	7.2	-0.018	0.000	0.000	0.000
19:30:00	21.4	25.8	28.2	24.1	7.2	7.1	8.5	7.3	-0.015	0.000	0.000	0.000
19:45:00	22.2	24.3	30.5	18.8	7.1	6.9	8.0	7.3	-0.013	0.000	0.000	0.000
20:00:00	20.2	19.6	18.5	21.5	6.8	6.3	7.4	6.7	-0.012	0.000	0.000	0.000
20:15:00	22.8	19.3	21.2	18.5	6.9	6.2	7.1	6.8	-0.010	0.000	0.000	0.000
20:30:00	25.9	21.7	26.6	20.8	8.0	6.2	7.2	7.1	-0.010	0.000	0.005	0.000
20:45:00	30.3	22.9	37.3	22.5	8.5	6.5	7.1	7.5	-0.009	0.000	0.037	0.000
21:00:00	24.3	18.7	49.2	19.9	8.5	6.3	8.6	8.3	-0.010	0.000	0.014	0.000
21:15:00	22.0	14.7	48.6	16.9	6.8	5.9	7.0	8.0	-0.010	0.000	0.008	0.000
21:30:00	17.1	13.0	43.8	14.1	5.1	4.7	5.4	7.1	-0.010	0.000	0.003	0.000
21:45:00	15.8	13.7	45.5	13.1	4.6	4.6	5.0	6.4	-0.009	0.000	0.001	0.000
22:00:00	14.2	13.3	27.0	12.7	4.9	5.8	4.7	5.3	-0.007	0.000	0.002	0.000
22:15:00	14.2	12.8	34.3	13.3	5.6	5.1	5.0	5.6	-0.006	0.001	0.001	0.000
22:30:00	15.6	11.4	60.6	14.6	5.6	4.3	5.4	7.5	-0.007	0.000	0.000	0.000
22:45:00	20.7	11.4	49.0	20.1	5.4	4.1	7.8	6.7	-0.003	0.000	0.000	0.000
23:00:00	23.4	13.6	42.0	18.0	5.6	4.1	6.9	6.3	-0.005	0.000	0.002	0.000
23:15:00	25.7	13.0	53.9	19.4	5.5	3.8	6.3	6.9	-0.004	0.000	0.000	0.000
23:30:00	31.9	21.4	32.4	26.6	5.7	4.1	6.1	5.5	-0.007	0.000	0.000	0.000
23:45:00	29.6	21.1	51.2	18.3	5.4	4.2	5.4	6.5	-0.009	0.000	0.001	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)
05:15:00					55.5							
05:30:00					109.6							
05:45:00					67.9							
06:00:00					56.6							
06:15:00					44.6							
07:45:00								48.5				
08:00:00								46.2				