



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-12-21

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1790 Max : 8.948	2943 NE	3277 W	2996 S	2997 NNW	Min : 40.10 Max : 88.16	Min : 28.40 Max : 86.50	Min : 30.10 Max : 30.36

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	17.9	122.4	8.4	16.9	-0.109	0.009
2996	20.4	79.6	11.0	31.4	0.002	0.014
2997	15.7	39.4	10.5	28.6	0.000	0.010
3277	15.7	53.2	11.4	44.4	0.000	0.008

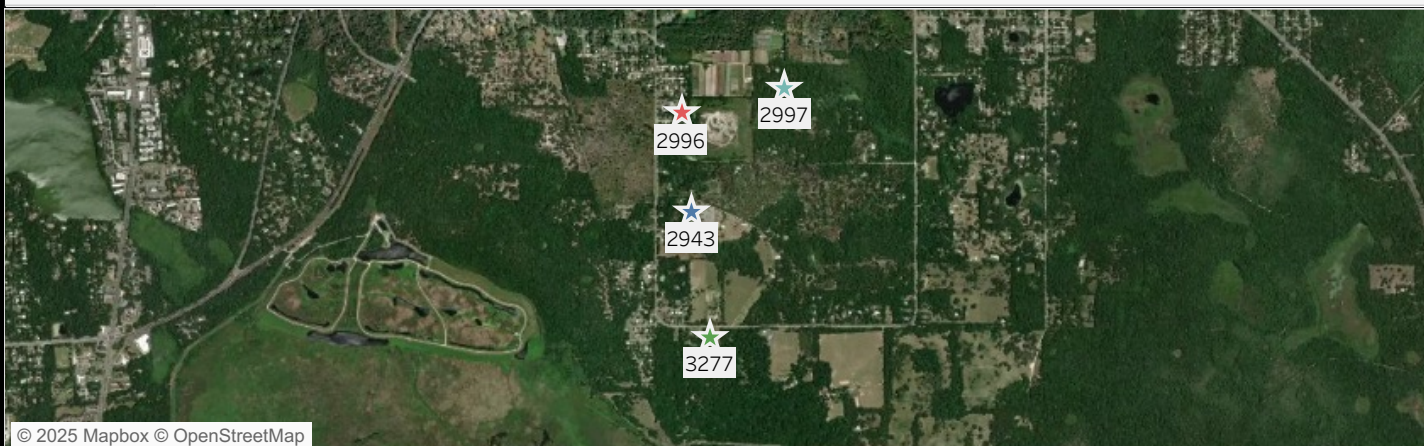
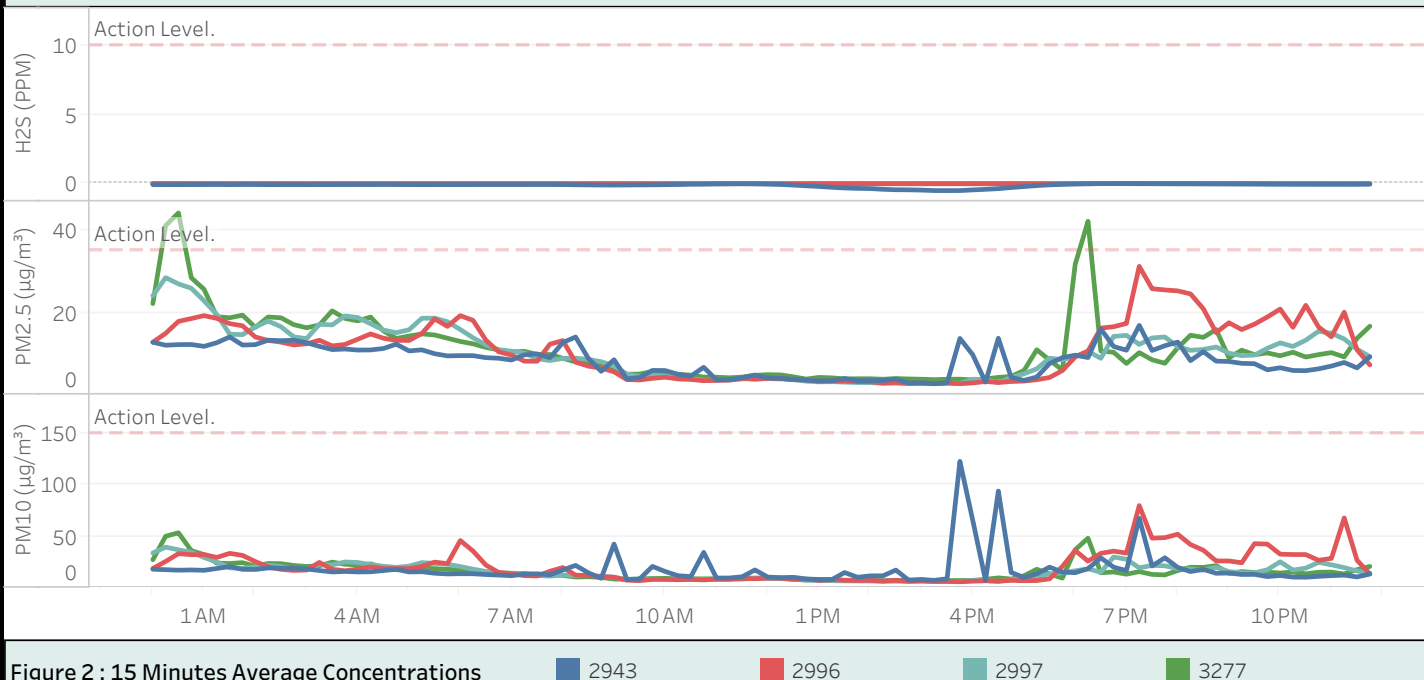


Figure 1 : Monitoring Locations





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Wind Rose Chart 2943

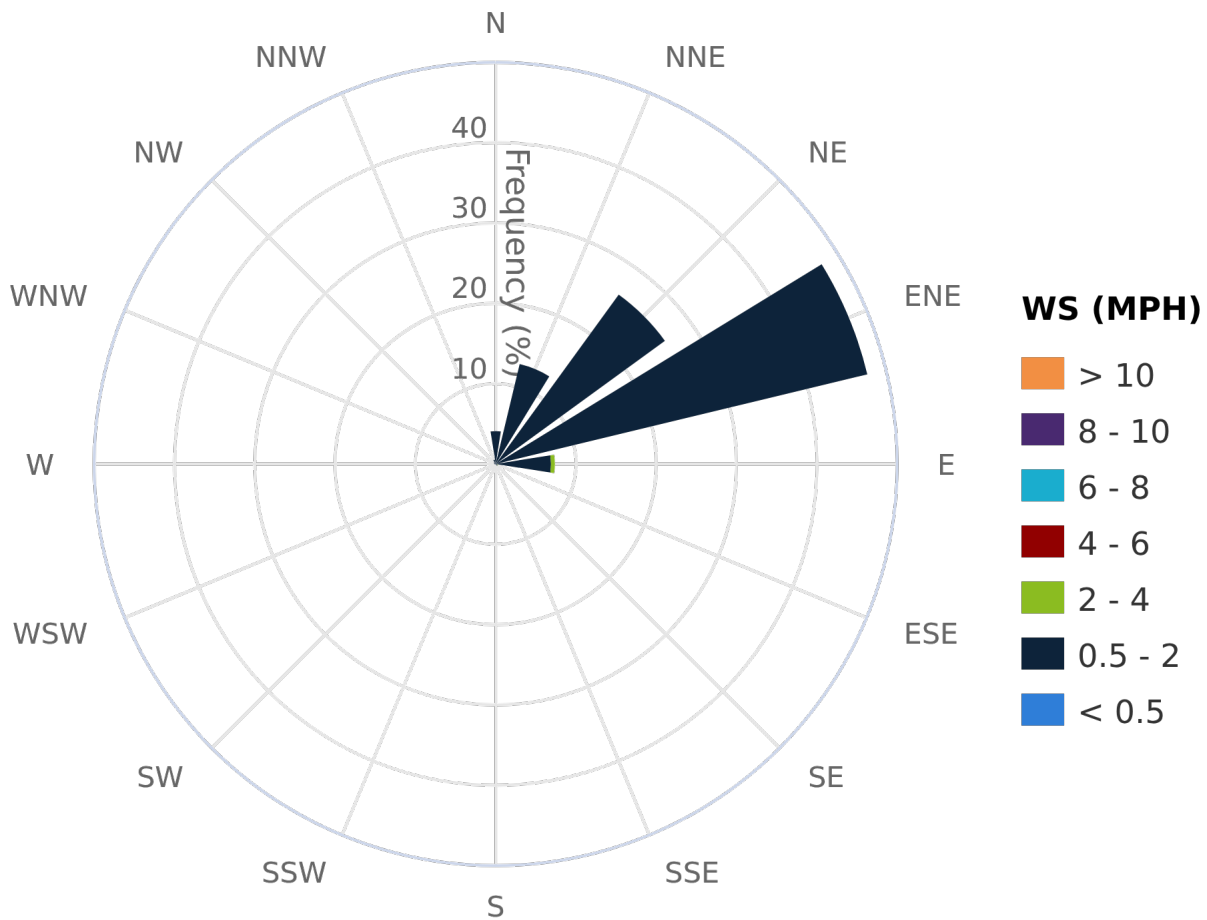


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 3277

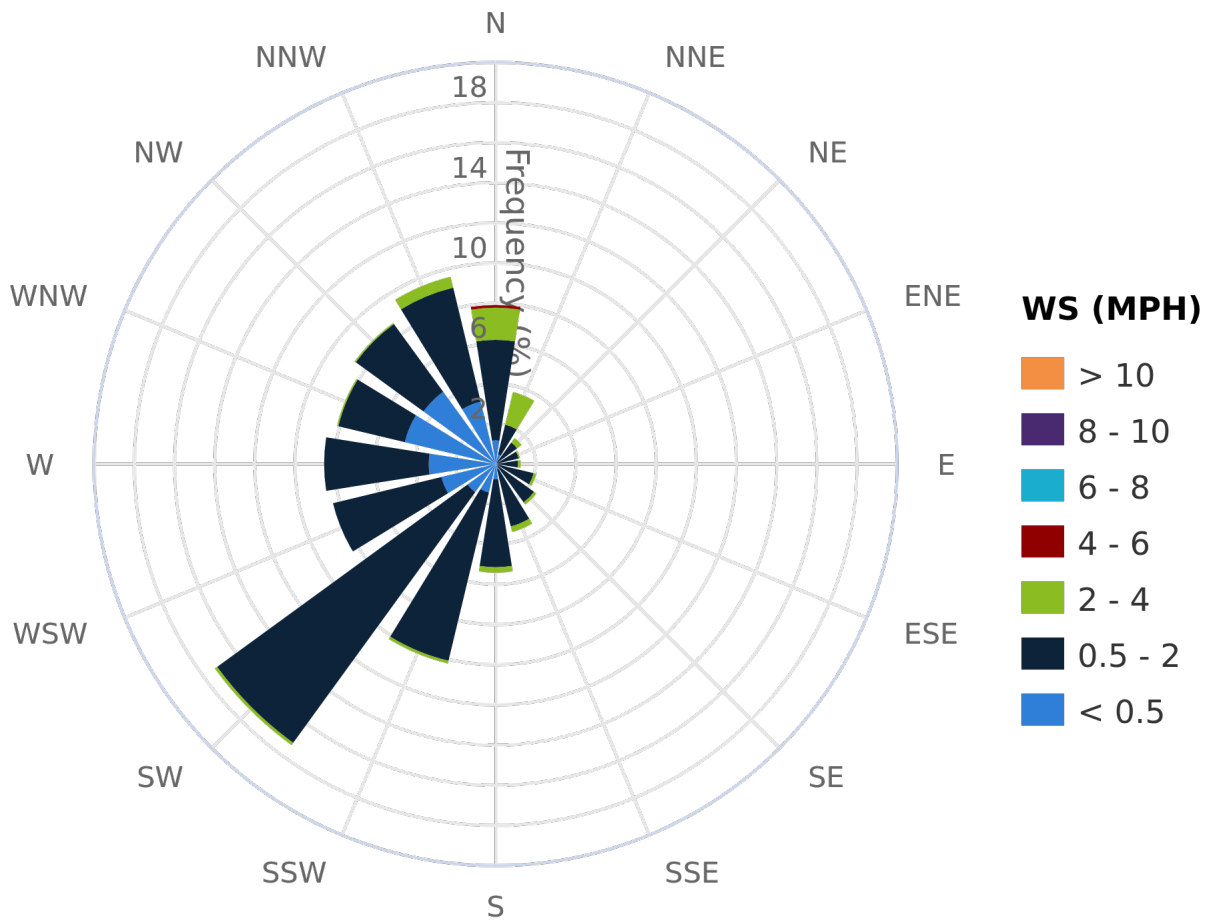


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

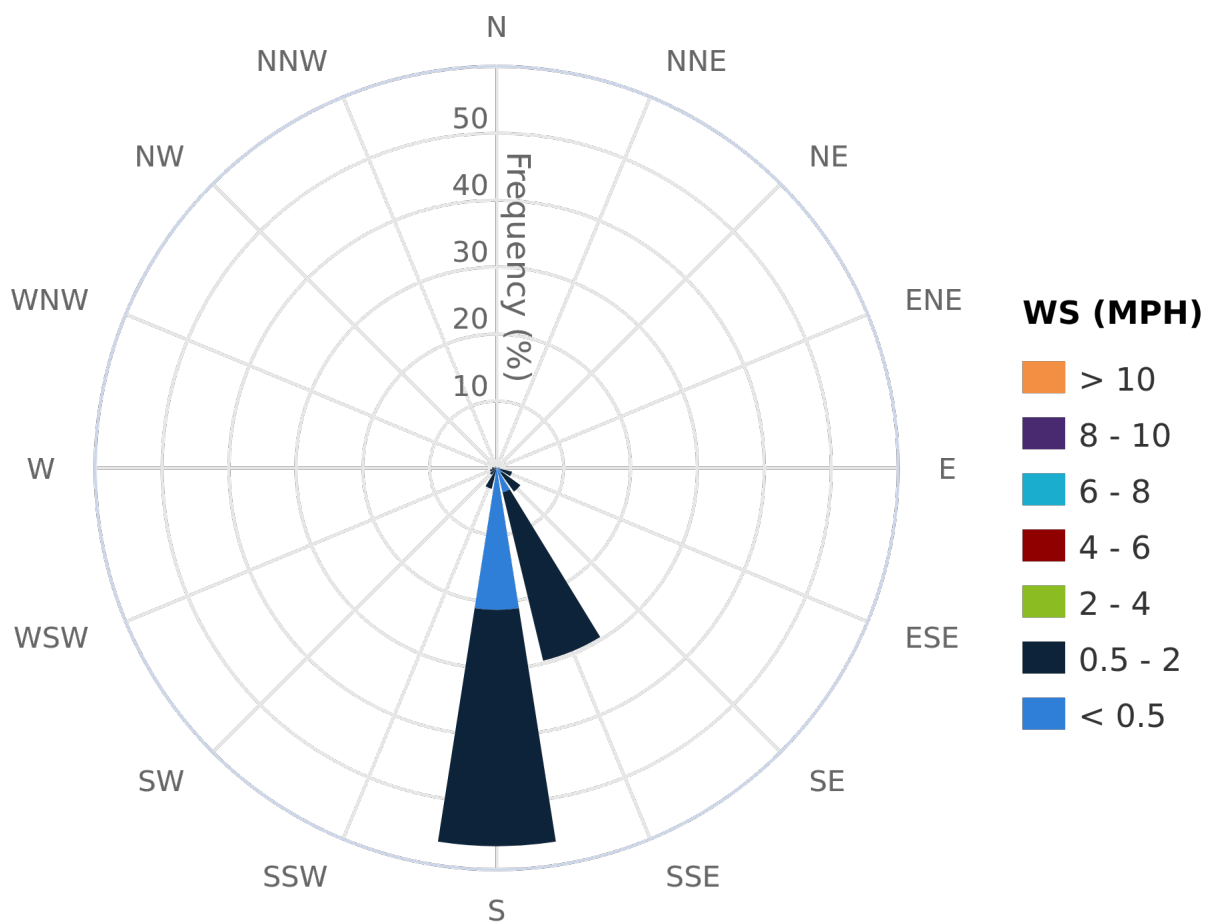


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

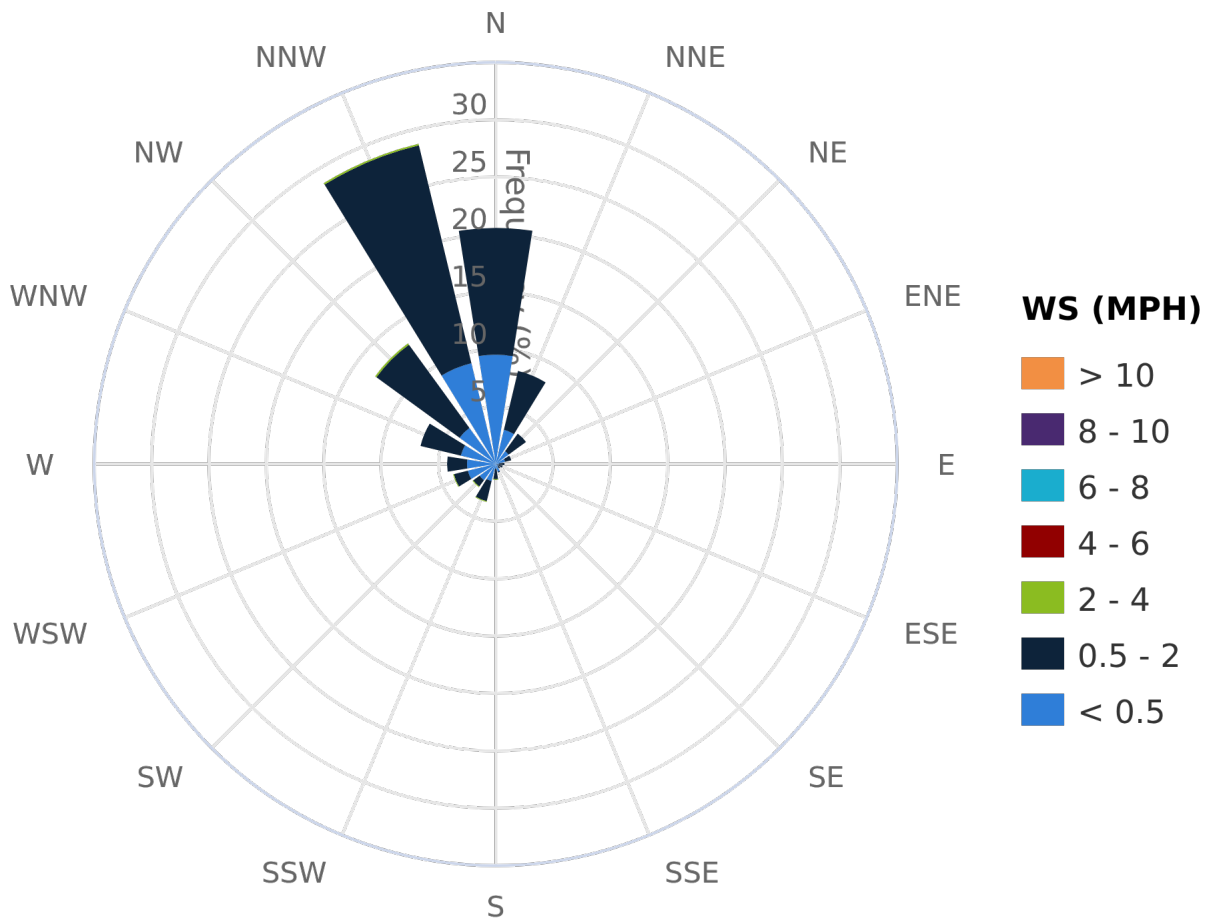


Figure 3 : Wind Rose Chart (WS in MPH)



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 3277 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3277 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3277 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00	17.9	27.1	33.7	18.7	12.8	22.3	12.8	24.2	-0.072	0.000	0.008	0.000
00:15:00	17.5	49.9	39.4	25.5	12.1	41.3	15.0	28.6	-0.069	0.000	0.008	0.000
00:30:00	17.0	53.2	36.7	33.1	12.2	44.4	17.9	27.1	-0.069	0.000	0.008	0.000
00:45:00	17.3	36.0	34.5	32.1	12.3	28.6	18.6	26.0	-0.065	0.000	0.007	0.000
01:00:00	16.9	32.1	29.3	32.2	11.8	25.7	19.3	22.9	-0.063	0.000	0.005	0.000
01:15:00	18.7	23.8	25.0	29.4	12.7	19.1	18.6	19.6	-0.058	0.000	0.004	0.000
01:30:00	20.5	23.5	19.2	33.3	14.1	18.8	17.4	14.8	-0.067	0.000	0.003	0.000
01:45:00	17.9	24.3	18.9	31.4	12.1	19.4	16.8	14.7	-0.060	0.000	0.003	0.000
02:00:00	17.7	20.9	20.5	25.4	12.2	16.4	14.1	16.6	-0.059	0.000	0.002	0.000
02:15:00	19.2	23.5	21.9	20.3	13.3	19.0	13.3	18.0	-0.069	0.000	0.001	0.000
02:30:00	18.9	23.4	20.5	17.8	13.2	18.8	12.8	16.6	-0.070	0.000	0.001	0.000
02:45:00	18.9	21.6	17.9	16.8	13.3	17.1	12.2	14.1	-0.071	0.000	0.000	0.000
03:00:00	18.1	20.6	17.4	17.2	12.7	16.3	12.4	13.7	-0.069	0.000	0.000	0.000
03:15:00	16.7	21.3	22.6	24.6	11.8	17.0	13.3	17.2	-0.067	0.000	0.000	0.000
03:30:00	15.3	24.8	22.2	17.9	11.0	20.5	11.9	17.0	-0.064	0.000	0.000	0.000
03:45:00	15.8	22.8	25.0	16.5	11.2	18.6	12.3	19.2	-0.062	0.000	0.001	0.000
04:00:00	15.3	22.1	24.5	18.1	10.9	18.0	13.6	18.8	-0.064	0.000	0.000	0.000
04:15:00	15.5	23.1	22.3	20.2	10.9	19.0	14.8	17.3	-0.062	0.000	0.000	0.000
04:30:00	16.7	19.4	20.9	18.8	11.3	15.6	13.8	15.8	-0.059	0.000	0.000	0.000
04:45:00	17.8	17.5	19.8	18.6	12.3	13.7	13.3	15.1	-0.064	0.000	0.000	0.000
05:00:00	15.3	18.2	21.0	18.5	10.7	14.3	13.2	15.8	-0.066	0.000	0.000	0.000
05:15:00	15.6	18.9	24.4	20.7	10.9	14.9	14.9	18.7	-0.069	0.000	0.000	0.000
05:30:00	14.1	18.6	23.6	24.8	10.0	14.6	18.5	18.7	-0.067	0.000	0.000	0.000
05:45:00	13.4	17.9	22.8	23.4	9.5	13.8	16.7	17.8	-0.066	0.000	0.000	0.000
06:00:00	13.6	17.2	20.6	45.8	9.5	13.0	19.3	15.9	-0.064	0.000	0.000	0.000
06:15:00	13.5	16.1	18.0	35.5	9.5	12.4	18.1	13.9	-0.064	0.000	0.000	0.000
06:30:00	12.8	15.0	15.9	22.0	9.0	11.6	13.3	12.2	-0.063	0.000	0.000	0.000
06:45:00	12.3	14.2	14.7	14.8	8.9	10.9	10.5	11.0	-0.062	0.000	0.000	0.000
07:00:00	11.7	13.3	14.2	13.6	8.5	10.4	9.7	10.6	-0.063	0.000	0.000	0.000
07:15:00	13.3	13.4	13.9	11.7	9.7	10.6	8.2	10.2	-0.063	0.000	0.000	0.000
07:30:00	13.5	12.8	11.8	11.5	9.9	9.8	8.2	8.8	-0.059	0.000	0.000	0.000
07:45:00	12.5	13.3	11.3	16.0	9.0	9.8	12.3	8.3	-0.060	0.000	0.000	0.000
08:00:00	17.2	11.9	12.3	19.6	12.7	8.9	13.2	8.9	-0.065	0.000	0.000	0.000
08:15:00	21.7	10.4	11.9	12.3	14.1	8.0	7.9	8.9	-0.077	0.000	0.000	0.000
08:30:00	14.5	10.7	12.1	11.6	8.8	7.8	7.0	8.6	-0.087	0.000	0.000	0.000
08:45:00	9.2	10.0	11.1	10.9	5.7	7.1	6.5	8.1	-0.094	0.000	0.000	0.000
09:00:00	42.3	8.4	10.1	10.3	8.5	5.8	5.6	7.1	-0.099	0.000	0.000	0.000
09:15:00	8.1	8.2	7.9	7.3	3.8	5.0	3.7	5.0	-0.091	0.000	0.000	0.000
09:30:00	8.5	8.4	7.7	6.9	4.2	5.0	3.6	4.4	-0.088	0.000	0.000	0.000
09:45:00	20.7	9.2	8.7	8.0	5.9	5.7	4.0	4.7	-0.083	0.000	0.000	0.000
10:00:00	15.7	9.2	8.1	8.1	5.9	5.6	4.3	4.5	-0.070	0.000	0.000	0.000
10:15:00	11.7	8.8	8.4	7.7	4.9	5.0	3.8	4.6	-0.057	0.000	0.000	0.000
10:30:00	10.8	8.7	7.9	8.1	4.5	4.8	3.7	3.9	-0.039	0.000	0.000	0.000
10:45:00	34.3	8.6	7.8	7.6	6.7	4.3	3.4	3.5	-0.030	0.000	0.000	0.000
11:00:00	9.4	8.7	7.9	8.5	3.6	4.3	3.5	3.5	-0.015	0.001	0.000	0.000
11:15:00	9.5	8.3	8.1	8.4	3.7	4.1	3.6	3.6	-0.008	0.000	0.000	0.000
11:30:00	10.6	8.5	9.9	9.1	4.1	4.3	4.0	3.8	-0.003	0.004	0.000	0.002
11:45:00	17.3	9.2	9.4	8.8	4.8	4.7	3.7	4.1	-0.011	0.003	0.000	0.001



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	Avg. 2943 - PM10 (µg/m³)	Avg. 3277 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3277 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3277 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
12:00:00	10.4	9.6	9.1	9.4	4.1	4.9	4.0	3.9	-0.029	0.002	0.000	0.000
12:15:00	9.8	9.4	8.8	9.3	4.0	4.8	4.0	3.8	-0.056	0.000	0.000	0.000
12:30:00	10.1	8.4	8.2	8.2	3.8	4.4	3.6	3.7	-0.101	0.000	0.000	0.000
12:45:00	8.6	7.3	7.7	8.4	3.5	3.8	3.7	3.3	-0.152	0.000	0.000	0.000
13:00:00	8.0	8.1	6.9	7.2	3.4	4.2	3.3	3.1	-0.199	0.000	0.000	0.000
13:15:00	7.9	7.6	6.9	7.9	3.4	4.1	3.4	3.2	-0.258	0.000	0.000	0.000
13:30:00	14.8	7.1	6.7	7.3	4.0	3.9	3.3	3.1	-0.307	0.000	0.000	0.000
13:45:00	10.2	7.3	6.6	7.0	3.4	3.9	3.2	3.0	-0.337	0.000	0.000	0.000
14:00:00	11.5	7.3	6.5	7.2	3.5	3.9	3.2	3.0	-0.351	0.000	0.000	0.000
14:15:00	11.6	6.9	6.4	6.4	3.4	3.8	2.9	2.8	-0.403	0.000	0.000	0.000
14:30:00	17.2	7.1	6.3	7.3	3.8	3.9	3.0	2.8	-0.436	0.000	0.000	0.000
14:45:00	7.4	7.2	6.2	6.3	2.8	3.8	2.8	2.7	-0.441	0.000	0.000	0.000
15:00:00	7.9	7.7	6.6	6.5	2.9	3.8	2.8	2.7	-0.460	0.000	0.000	0.000
15:15:00	7.2	6.9	6.3	6.0	2.7	3.7	2.8	2.7	-0.494	0.000	0.000	0.000
15:30:00	8.7	7.0	5.9	6.3	2.9	3.8	2.9	2.8	-0.496	0.000	0.000	0.000
15:45:00	122.4	7.0	6.1	5.8	13.7	3.8	2.7	2.8	-0.493	0.000	0.000	0.000
16:00:00	65.5	7.1	7.3	6.4	9.8	3.6	2.9	3.8	-0.448	0.000	0.000	0.000
16:15:00	7.2	8.2	7.0	6.8	3.1	3.9	3.2	3.6	-0.405	0.000	0.000	0.000
16:30:00	93.6	9.6	6.1	6.4	13.8	4.2	3.0	2.9	-0.356	0.000	0.000	0.000
16:45:00	14.8	8.5	7.8	7.2	4.2	4.5	3.2	4.2	-0.277	0.000	0.000	0.000
17:00:00	10.0	11.7	9.9	6.8	3.5	5.9	3.3	5.1	-0.206	0.000	0.000	0.000
17:15:00	13.4	17.9	10.8	7.0	4.3	11.0	3.6	6.3	-0.137	0.000	0.000	0.000
17:30:00	20.0	13.4	13.6	8.6	7.6	8.4	4.2	8.9	-0.081	0.000	0.000	0.001
17:45:00	15.2	9.4	14.4	20.7	9.1	6.0	5.9	8.5	-0.051	0.000	0.000	0.003
18:00:00	14.6	36.8	16.5	36.1	9.6	31.9	9.2	9.3	-0.026	0.003	0.000	0.007
18:15:00	18.5	48.0	18.4	25.8	9.1	42.4	10.7	10.6	-0.007	0.004	0.000	0.010
18:30:00	29.0	14.5	15.0	33.3	16.0	10.7	16.3	8.9	0.007	0.005	0.002	0.008
18:45:00	19.9	15.3	29.8	35.5	11.8	10.4	16.6	14.2	0.006	0.008	0.008	0.005
19:00:00	16.7	13.1	27.6	33.6	10.9	7.6	17.4	14.5	0.009	0.004	0.007	0.001
19:15:00	67.4	15.6	19.3	79.6	16.9	10.3	31.4	12.3	0.006	0.002	0.013	0.000
19:30:00	21.0	12.9	21.6	48.1	10.8	8.5	25.9	13.9	0.003	0.000	0.014	0.000
19:45:00	29.1	12.5	21.3	48.5	12.0	7.7	25.6	14.1	-0.002	0.000	0.014	0.000
20:00:00	19.7	16.6	18.6	51.9	12.8	11.4	25.4	11.7	-0.007	0.000	0.014	0.000
20:15:00	15.7	19.9	18.0	41.9	8.3	14.5	24.6	10.8	-0.008	0.000	0.013	0.000
20:30:00	17.9	19.7	17.0	36.4	10.5	14.0	21.0	11.0	-0.012	0.000	0.012	0.000
20:45:00	14.0	21.4	19.8	25.9	8.2	15.9	15.2	11.6	-0.015	0.000	0.012	0.000
21:00:00	14.3	13.9	15.6	26.0	8.1	9.0	17.6	10.1	-0.019	0.000	0.012	0.000
21:15:00	12.9	15.7	14.5	24.2	7.6	10.9	15.9	9.5	-0.025	0.000	0.011	0.000
21:30:00	13.0	14.7	14.4	42.8	7.6	9.8	17.2	9.7	-0.029	0.000	0.009	0.000
21:45:00	10.8	15.1	17.5	42.3	6.1	10.2	19.0	11.3	-0.035	0.000	0.007	0.000
22:00:00	11.9	14.4	25.2	32.5	6.6	9.5	20.9	12.7	-0.040	0.000	0.007	0.000
22:15:00	10.3	15.3	17.1	32.2	5.9	10.4	16.5	11.8	-0.043	0.000	0.006	0.000
22:30:00	10.2	13.5	19.0	32.1	5.9	9.2	21.8	13.3	-0.044	0.000	0.005	0.000
22:45:00	11.0	15.1	24.6	26.6	6.3	9.8	16.5	15.5	-0.046	0.000	0.004	0.000
23:00:00	11.8	15.2	22.2	28.4	7.0	10.3	14.1	15.0	-0.045	0.000	0.003	0.000
23:15:00	12.2	13.3	19.5	67.6	7.9	9.2	20.1	13.6	-0.047	0.000	0.003	0.000
23:30:00	10.5	17.6	16.3	26.7	6.5	13.8	11.0	11.1	-0.045	0.000	0.002	0.000
23:45:00	13.3	20.7	14.1	13.5	9.3	16.7	7.3	9.3	-0.033	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. 3277 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3277 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3277 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:15:00						41.3						
00:30:00						44.4						
18:15:00						42.4						