



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-12-20

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1120 Max : 6.353	2943 ENE	3277 WNW	2996 SSE	2997 NNW	Min : 35.42 Max : 83.30	Min : 25.00 Max : 82.70	Min : 30.07 Max : 30.34

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	12.9	47.1	6.6	32.0	-0.074	0.014
2996	13.6	53.9	6.7	26.7	0.004	0.024
2997	14.4	65.4	8.6	51.2	0.001	0.010
3277	11.3	38.5	7.6	33.0	0.001	0.006

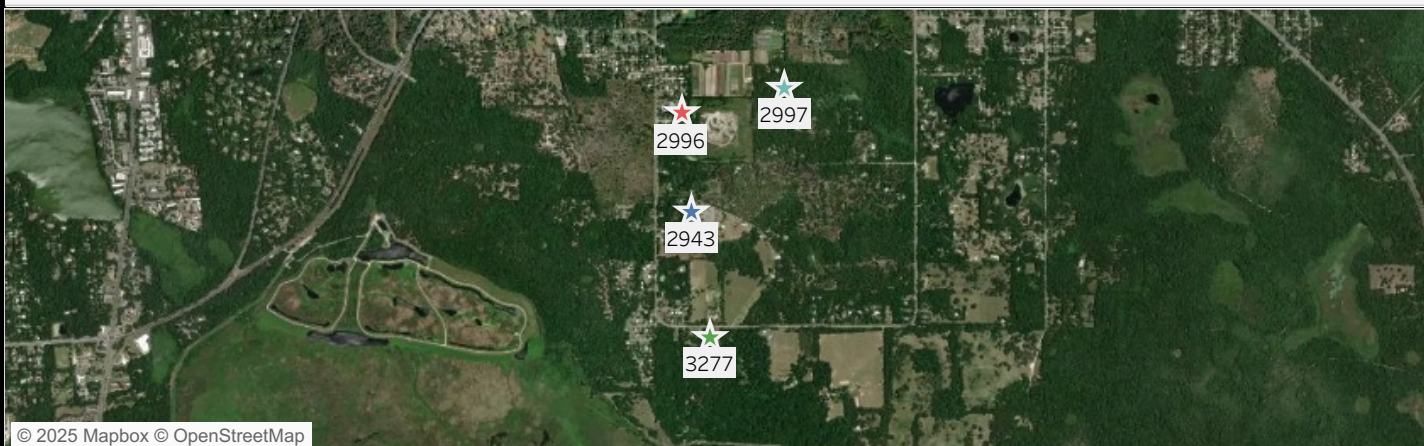


Figure 1 : Monitoring Locations

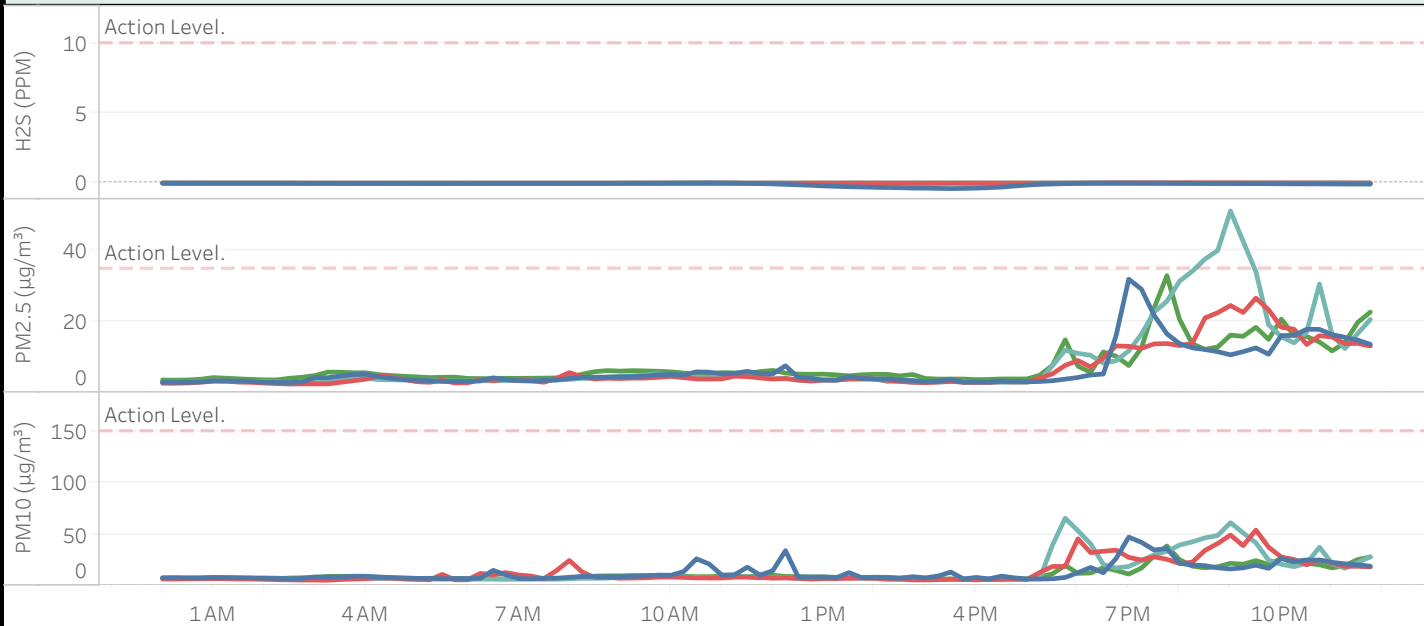


Figure 2 : 15 Minutes Average Concentrations

2943 2996 2997 3277



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Wind Rose Chart 2943

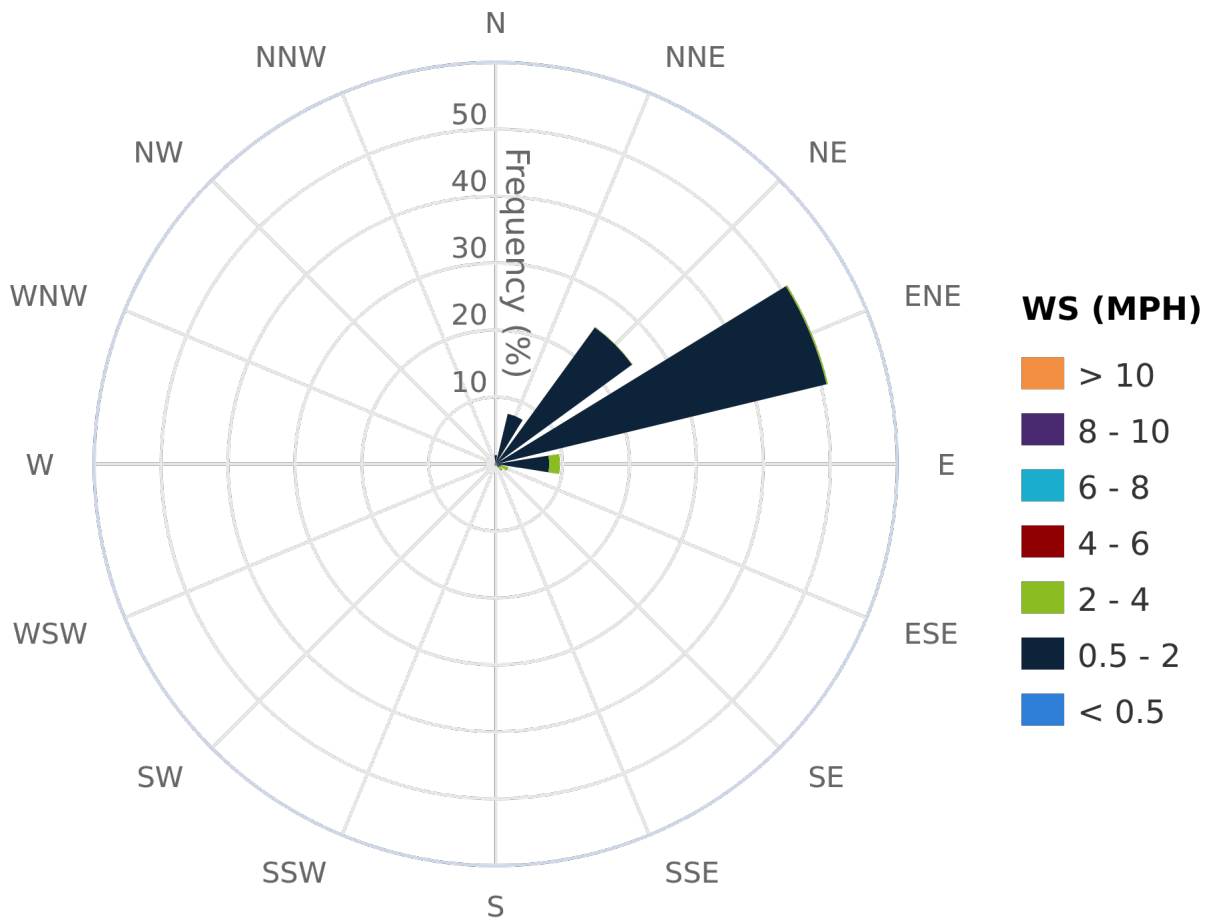


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 3277

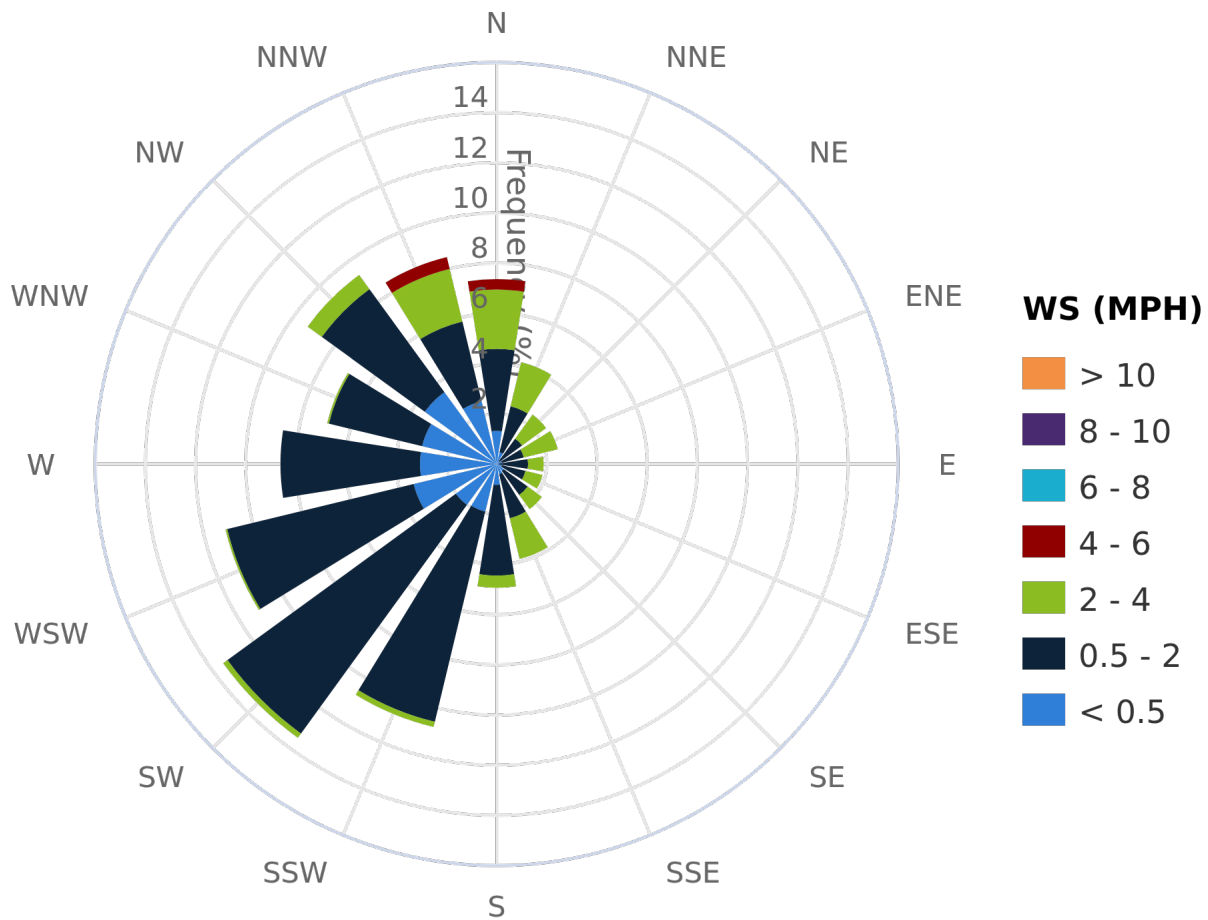


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

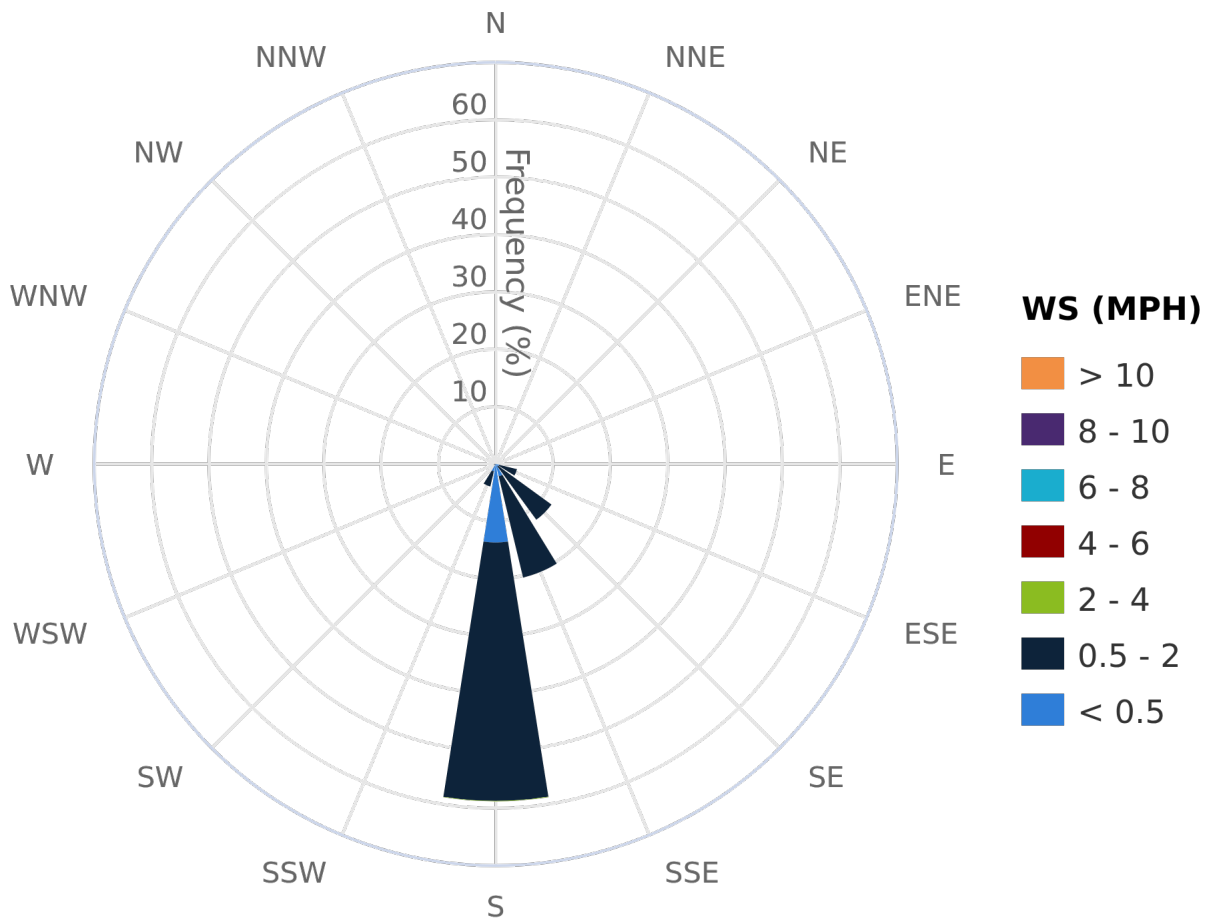


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

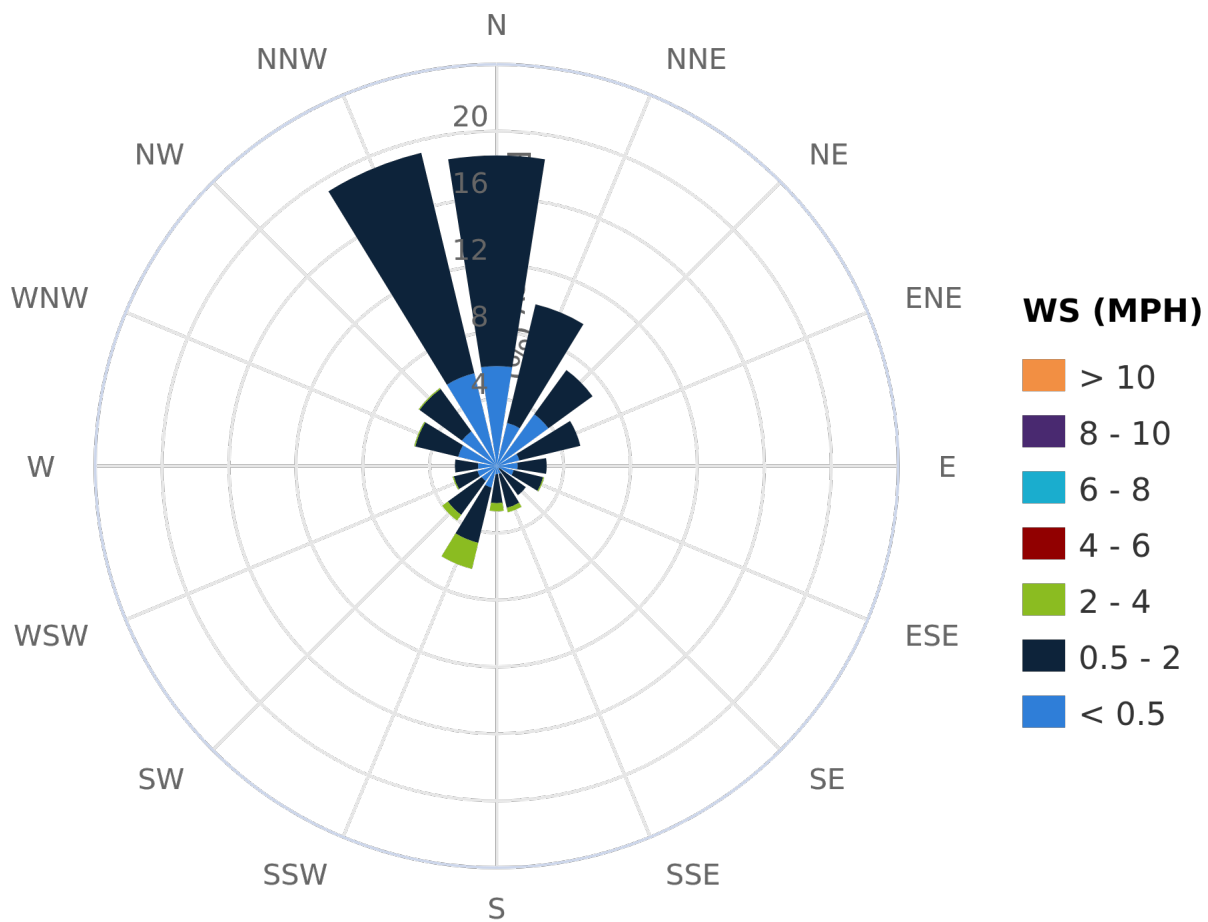


Figure 3 : Wind Rose Chart (WS in MPH)



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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	7.7	7.4	7.6	6.6	2.9	3.6	2.7	3.0	-0.002	0.003	0.000	0.003
00:15:00	7.8	7.2	7.7	6.5	2.9	3.5	2.6	3.0	-0.002	0.000	0.000	0.000
00:30:00	7.6	7.3	7.5	6.7	2.9	3.6	2.7	2.9	-0.003	0.001	0.000	0.000
00:45:00	7.6	7.5	7.6	6.9	3.0	3.8	2.9	3.2	-0.003	0.002	0.000	0.000
01:00:00	8.1	7.7	7.7	7.0	3.3	4.2	3.3	3.4	-0.006	0.001	0.000	0.000
01:15:00	8.0	7.6	7.6	6.9	3.3	4.1	3.2	3.3	-0.006	0.000	0.000	0.000
01:30:00	7.8	7.4	7.5	6.5	3.3	3.9	3.0	3.2	-0.008	0.001	0.000	0.000
01:45:00	7.7	7.1	7.1	6.5	3.1	3.7	2.9	3.1	-0.007	0.000	0.000	0.000
02:00:00	7.3	6.9	7.6	6.2	2.9	3.6	2.7	3.1	-0.008	0.001	0.000	0.000
02:15:00	7.2	6.9	7.5	5.9	2.9	3.6	2.5	3.0	-0.008	0.000	0.000	0.000
02:30:00	6.8	7.5	6.4	5.7	2.9	4.1	2.4	2.8	-0.010	0.000	0.000	0.000
02:45:00	7.1	7.8	6.4	5.5	3.0	4.3	2.5	3.0	-0.014	0.000	0.000	0.000
03:00:00	8.6	8.0	6.3	5.5	4.3	4.8	2.5	3.1	-0.016	0.000	0.001	0.000
03:15:00	8.3	9.1	6.4	5.4	4.2	5.8	2.5	3.1	-0.018	0.000	0.002	0.000
03:30:00	8.5	9.1	7.1	6.0	4.7	5.8	2.9	3.9	-0.021	0.000	0.001	0.000
03:45:00	9.3	8.7	7.7	6.5	5.1	5.6	3.4	4.3	-0.024	0.000	0.001	0.000
04:00:00	9.2	8.6	7.6	6.9	5.2	5.6	3.8	4.1	-0.024	0.000	0.000	0.000
04:15:00	8.6	7.9	6.9	7.7	4.4	5.1	4.7	3.7	-0.025	0.000	0.000	0.000
04:30:00	7.9	7.9	7.1	7.4	4.0	4.8	4.5	3.6	-0.024	0.000	0.001	0.000
04:45:00	7.4	7.5	6.6	6.6	3.7	4.6	3.7	3.5	-0.025	0.000	0.001	0.000
05:00:00	7.1	7.2	6.6	6.2	3.5	4.4	3.1	3.4	-0.027	0.000	0.001	0.000
05:15:00	7.3	7.1	6.5	5.8	3.4	4.2	2.9	3.4	-0.030	0.000	0.001	0.000
05:30:00	6.8	7.1	6.4	11.0	3.2	4.3	3.5	3.3	-0.032	0.000	0.002	0.000
05:45:00	7.1	7.0	6.3	5.7	3.2	4.4	2.7	3.3	-0.029	0.000	0.000	0.000
06:00:00	7.0	6.7	6.2	5.8	3.2	4.0	2.8	3.3	-0.029	0.000	0.000	0.000
06:15:00	7.2	6.7	6.7	12.0	3.3	4.0	3.7	3.4	-0.030	0.000	0.000	0.000
06:30:00	14.9	6.6	6.6	10.6	4.2	4.0	3.4	3.3	-0.026	0.000	0.000	0.000
06:45:00	10.7	6.6	6.4	12.8	3.8	4.1	3.7	3.4	-0.027	0.000	0.000	0.000
07:00:00	7.0	6.7	6.4	10.4	3.4	4.0	3.4	3.4	-0.028	0.000	0.000	0.000
07:15:00	6.8	6.9	6.5	9.4	3.3	4.1	3.3	3.4	-0.025	0.000	0.000	0.000
07:30:00	7.3	7.0	6.3	6.8	3.5	4.1	2.9	3.5	-0.026	0.000	0.000	0.000
07:45:00	7.3	6.8	6.4	14.9	3.6	4.2	4.1	3.6	-0.029	0.000	0.000	0.000
08:00:00	8.2	7.0	6.7	24.5	4.0	4.4	5.7	3.7	-0.029	0.000	0.000	0.000
08:15:00	9.1	8.2	7.3	13.4	4.3	5.2	4.4	4.0	-0.028	0.000	0.000	0.000
08:30:00	8.9	9.3	7.2	8.0	4.4	5.9	3.9	4.0	-0.024	0.000	0.000	0.000
08:45:00	8.7	9.7	7.5	8.0	4.4	6.2	4.1	4.4	-0.021	0.000	0.000	0.000
09:00:00	8.7	9.6	8.3	7.3	4.4	6.1	4.0	4.6	-0.012	0.000	0.000	0.000
09:15:00	9.1	9.9	8.5	7.5	4.5	6.2	4.1	4.8	-0.007	0.000	0.000	0.000
09:30:00	9.6	9.9	8.9	7.7	4.7	6.1	4.1	5.0	-0.004	0.000	0.000	0.000
09:45:00	10.3	9.9	9.4	8.4	5.1	6.0	4.3	5.3	-0.004	0.004	0.000	0.000
10:00:00	10.2	9.6	8.5	8.6	5.1	5.9	4.6	4.8	-0.002	0.002	0.000	0.000
10:15:00	13.8	9.3	8.8	8.1	5.0	5.5	4.2	4.9	0.002	0.006	0.000	0.000
10:30:00	26.1	8.8	8.1	7.6	5.9	5.3	3.9	4.3	0.006	0.004	0.000	0.003
10:45:00	21.0	8.9	7.8	7.5	5.8	5.4	3.8	4.2	0.014	0.004	0.000	0.010
11:00:00	10.3	9.2	7.9	7.5	5.3	5.6	3.9	4.3	0.007	0.003	0.000	0.010
11:15:00	10.7	9.1	9.1	8.3	5.4	5.6	4.6	4.9	-0.003	0.000	0.000	0.006
11:30:00	18.0	8.8	8.8	8.3	6.0	5.4	4.5	4.9	-0.015	0.000	0.000	0.000
11:45:00	10.3	9.6	8.1	7.9	5.3	5.9	4.1	4.3	-0.035	0.000	0.000	0.000



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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	14.6	10.2	7.6	7.5	5.3	6.3	3.8	3.9	-0.058	0.000	0.000	0.000
12:15:00	34.0	9.1	7.8	7.6	7.6	5.5	4.0	4.1	-0.089	0.000	0.000	0.000
12:30:00	8.6	8.8	6.9	7.3	4.3	5.2	3.6	3.5	-0.120	0.000	0.000	0.000
12:45:00	8.3	8.6	6.6	6.5	4.0	5.2	3.3	3.3	-0.158	0.000	0.000	0.000
13:00:00	8.5	8.6	6.9	7.0	3.5	5.2	3.6	3.6	-0.198	0.000	0.000	0.000
13:15:00	7.8	8.2	7.1	7.0	3.6	5.0	3.6	3.5	-0.228	0.000	0.000	0.000
13:30:00	12.8	7.7	7.6	7.3	4.5	4.7	3.8	3.9	-0.257	0.000	0.000	0.000
13:45:00	7.8	8.1	7.1	7.5	4.0	5.0	4.0	3.8	-0.275	0.000	0.000	0.000
14:00:00	8.0	8.3	7.1	7.2	3.9	5.2	3.8	3.9	-0.298	0.000	0.000	0.000
14:15:00	7.7	8.2	6.2	6.6	3.9	5.1	3.5	3.2	-0.311	0.000	0.000	0.000
14:30:00	7.2	7.6	6.4	6.4	3.5	4.7	3.2	3.2	-0.328	0.000	0.000	0.000
14:45:00	8.8	7.9	5.6	5.9	3.4	5.1	2.9	2.9	-0.352	0.000	0.000	0.000
15:00:00	7.7	6.6	5.7	5.7	3.1	4.0	2.8	2.9	-0.355	0.000	0.000	0.000
15:15:00	9.4	6.5	6.0	5.9	3.2	3.8	3.0	3.0	-0.375	0.000	0.000	0.000
15:30:00	13.3	6.6	6.1	6.4	3.7	3.8	3.2	3.1	-0.389	0.000	0.000	0.000
15:45:00	6.6	6.6	6.2	5.9	2.9	3.8	2.9	3.1	-0.375	0.000	0.000	0.000
16:00:00	8.1	6.4	5.9	5.8	3.0	3.7	2.9	3.0	-0.356	0.000	0.000	0.000
16:15:00	6.7	6.5	6.0	6.1	2.9	3.7	2.9	2.9	-0.322	0.000	0.000	0.000
16:30:00	9.3	6.7	6.4	6.2	3.3	3.9	3.1	3.0	-0.281	0.000	0.000	0.000
16:45:00	7.7	6.6	6.3	6.5	3.2	3.9	3.0	2.9	-0.207	0.000	0.000	0.000
17:00:00	6.6	6.6	6.4	6.2	3.1	3.9	3.0	3.0	-0.138	0.000	0.000	0.000
17:15:00	6.5	8.5	7.0	12.9	3.1	4.9	4.1	3.4	-0.088	0.000	0.000	0.000
17:30:00	6.8	11.5	39.4	18.7	3.4	7.7	5.3	7.6	-0.061	0.000	0.000	0.002
17:45:00	8.1	19.8	65.4	18.8	3.8	14.9	7.7	12.0	-0.039	0.001	0.000	0.009
18:00:00	12.7	12.0	53.3	45.4	4.3	7.5	9.1	11.1	-0.015	0.004	0.000	0.009
18:15:00	17.8	12.4	40.6	32.1	5.0	5.7	7.2	10.5	-0.002	0.006	0.003	0.007
18:30:00	12.6	17.5	20.7	33.4	5.3	11.5	9.8	8.3	0.003	0.004	0.013	0.005
18:45:00	26.4	14.9	17.2	34.5	16.0	10.3	13.2	9.0	0.004	0.005	0.018	0.001
19:00:00	47.1	11.3	18.7	27.5	32.0	7.7	13.1	11.8	0.003	0.004	0.021	0.000
19:15:00	42.1	17.2	24.3	24.9	29.2	12.6	12.5	16.5	0.000	0.001	0.022	0.000
19:30:00	34.6	29.0	30.0	28.0	21.8	23.9	13.8	22.7	-0.004	0.000	0.023	0.000
19:45:00	36.1	38.5	33.3	25.6	16.6	33.0	13.8	25.8	-0.008	0.000	0.023	0.000
20:00:00	21.8	25.3	39.5	21.6	13.8	20.6	13.3	31.5	-0.013	0.000	0.024	0.000
20:15:00	20.0	19.0	42.5	22.8	12.6	13.8	13.9	34.2	-0.016	0.000	0.022	0.000
20:30:00	19.5	17.4	46.4	34.3	12.2	12.2	21.1	37.7	-0.023	0.000	0.022	0.000
20:45:00	17.3	18.4	48.7	40.9	11.5	12.9	22.5	40.1	-0.025	0.000	0.019	0.000
21:00:00	16.3	21.7	61.1	49.1	10.7	16.2	24.6	51.2	-0.028	0.000	0.020	0.000
21:15:00	17.4	20.9	51.2	38.8	11.6	15.9	22.6	42.7	-0.034	0.000	0.019	0.000
21:30:00	19.9	24.4	41.5	53.9	12.6	18.4	26.7	34.1	-0.035	0.000	0.018	0.000
21:45:00	16.8	20.7	24.9	37.4	10.8	15.0	23.4	19.1	-0.042	0.000	0.016	0.000
22:00:00	26.5	26.5	20.7	27.8	16.1	20.7	18.5	15.8	-0.047	0.000	0.014	0.000
22:15:00	23.7	22.0	18.5	25.5	16.2	16.2	17.9	14.1	-0.051	0.000	0.013	0.000
22:30:00	25.0	21.9	21.9	20.3	17.9	15.8	13.6	17.1	-0.055	0.000	0.013	0.000
22:45:00	24.8	20.3	37.3	25.1	17.8	14.3	16.1	30.6	-0.058	0.000	0.010	0.000
23:00:00	22.7	17.3	21.5	21.8	16.4	11.8	15.7	16.3	-0.060	0.000	0.010	0.000
23:15:00	21.3	19.6	17.0	18.8	15.6	14.1	13.8	12.4	-0.066	0.000	0.011	0.000
23:30:00	20.3	25.4	22.3	18.9	14.8	19.8	13.9	16.6	-0.066	0.000	0.008	0.000
23:45:00	19.0	27.9	28.2	18.2	13.6	22.7	13.1	20.6	-0.071	0.000	0.007	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)
20:30:00								37.7				
20:45:00								40.1				
21:00:00								51.2				
21:15:00								42.7				