



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2026-01-16

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
0.089 to 6.353	2943 E	3277 SSW	2996 S	2997 NNW	Min : 23.18 Max : 69.44	Min : 18.50 Max : 79.30	Min : 29.52 Max : 30.31

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	7.4	41.5	5.1	37.1	0.003	0.034
2996	7.6	28.0	5.4	23.1	0.004	0.022
2997	10.4	43.8	8.4	38.0	0.002	0.026
3277	8.0	32.6	6.6	29.2	0.001	0.010

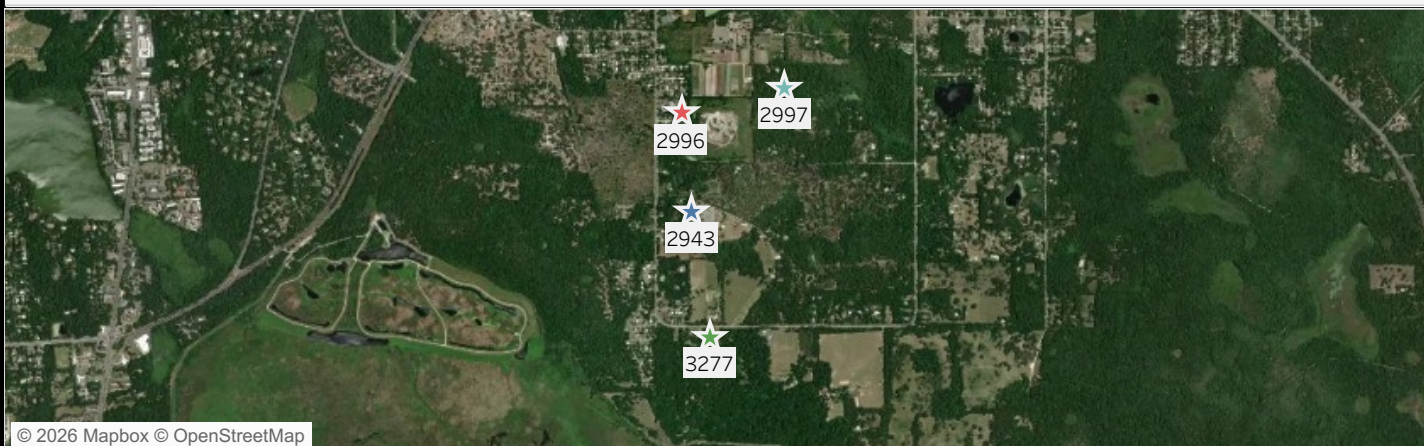
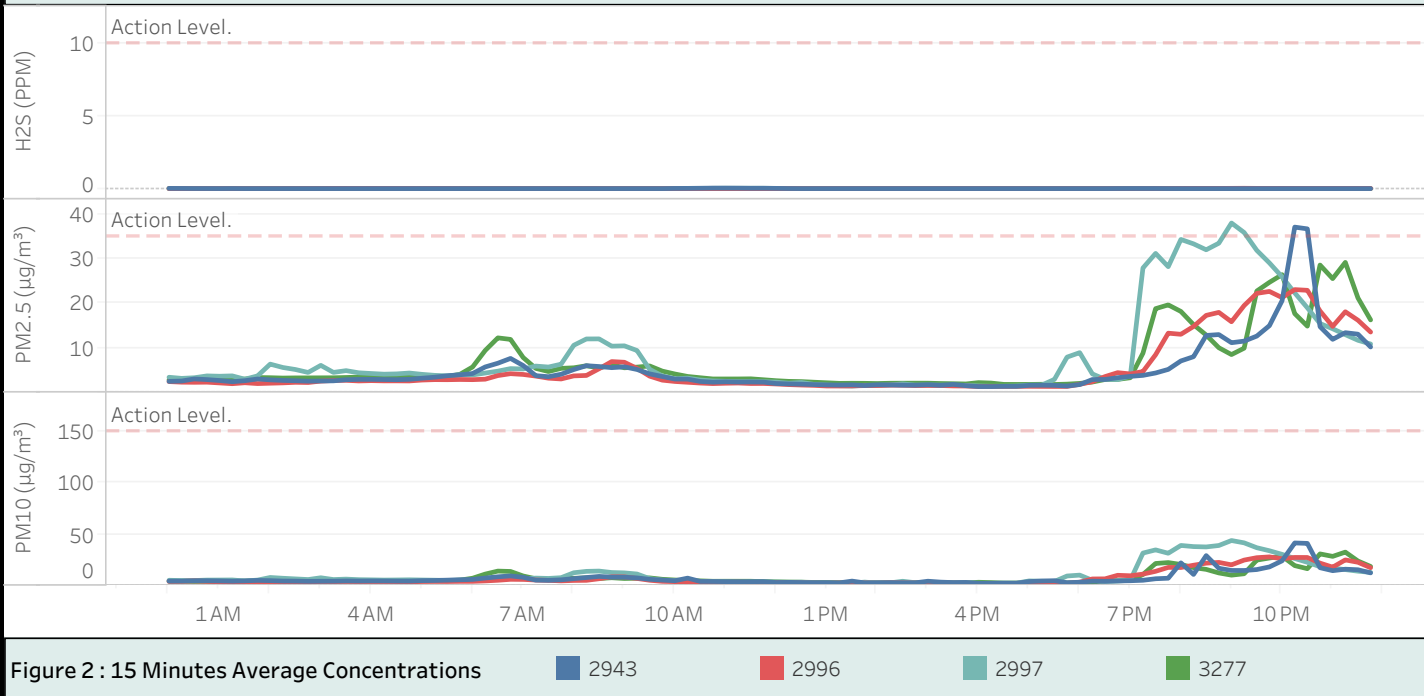


Figure 1 : Monitoring Locations





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Wind Rose Chart 2943

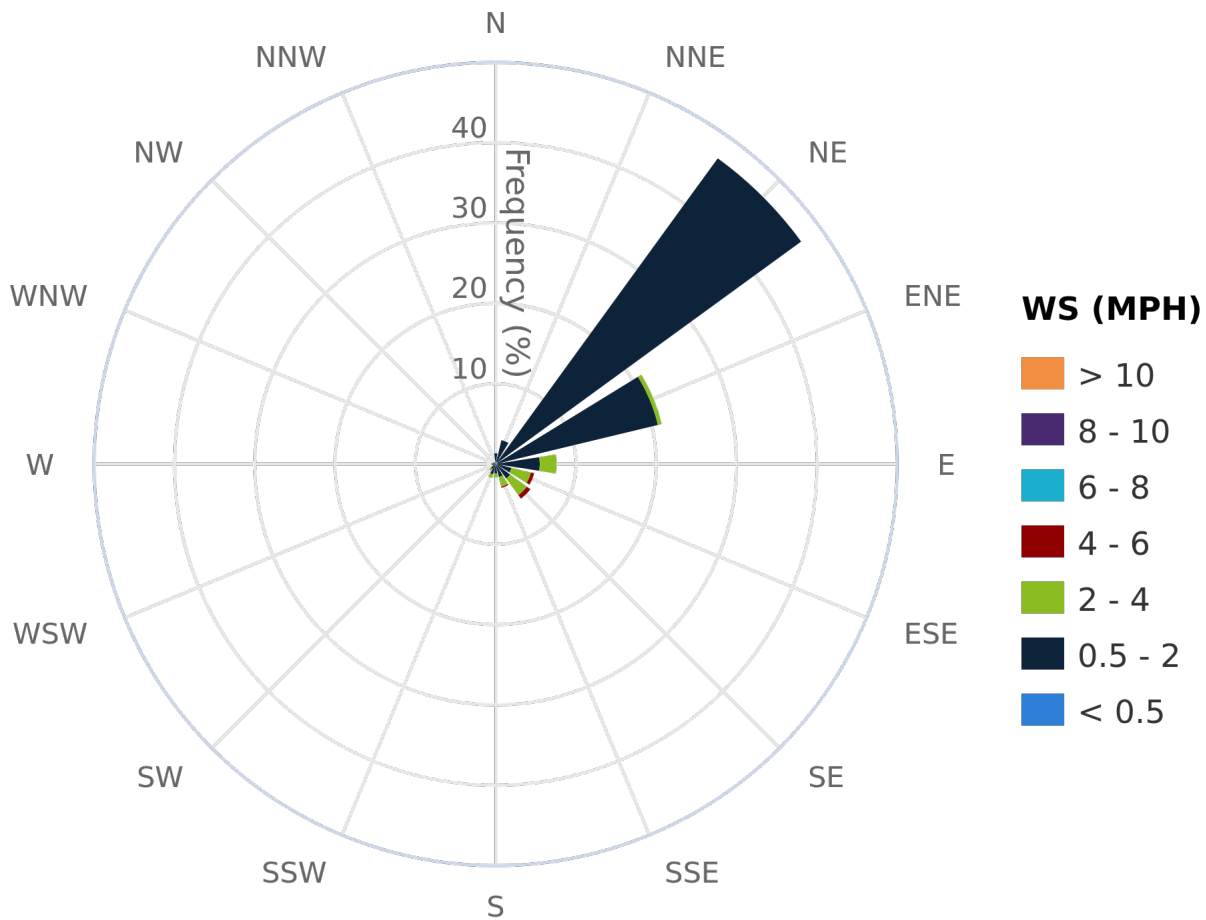


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 3277

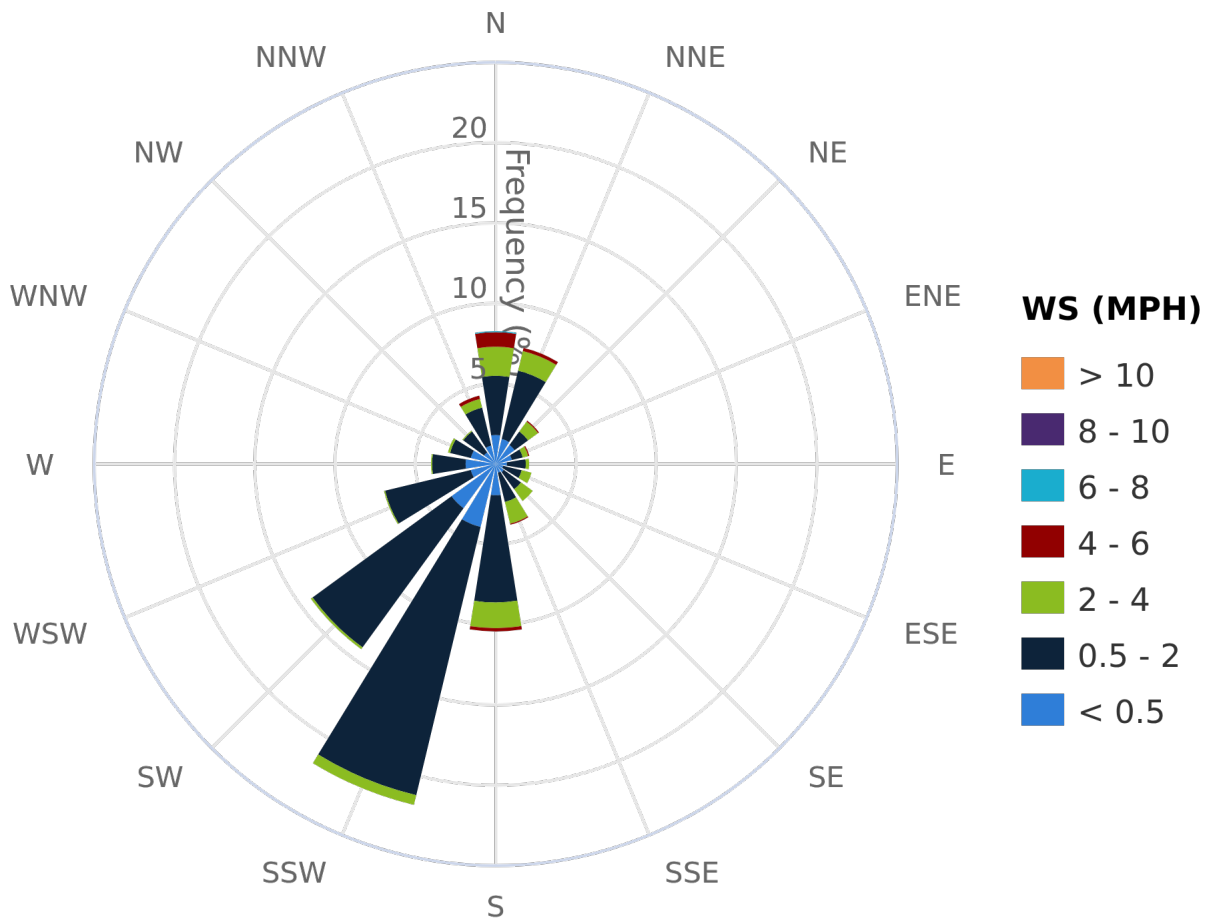


Figure 3 : Wind Rose Chart (WS in MPH)



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Florence C&D Landfill – Air Monitoring

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Wind Rose Chart 2996

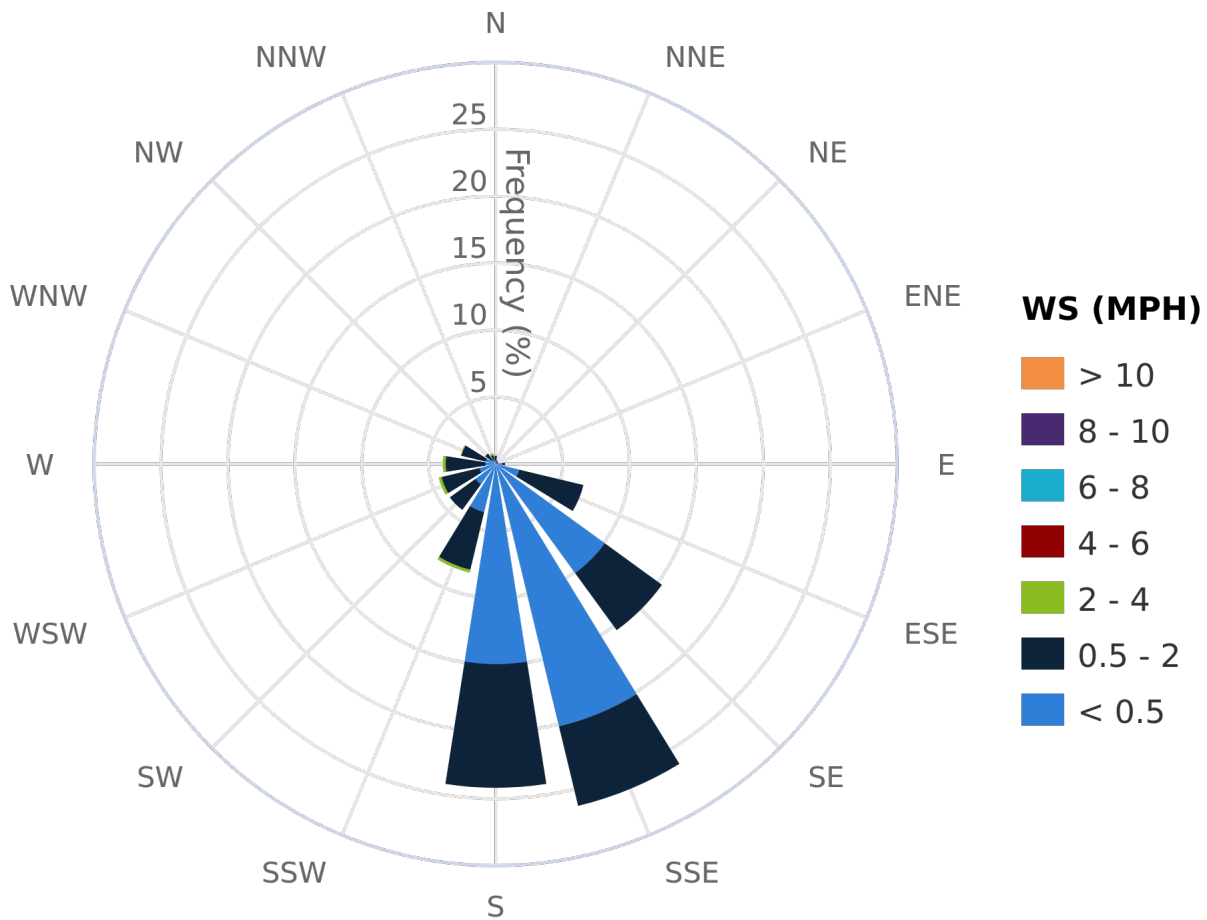


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

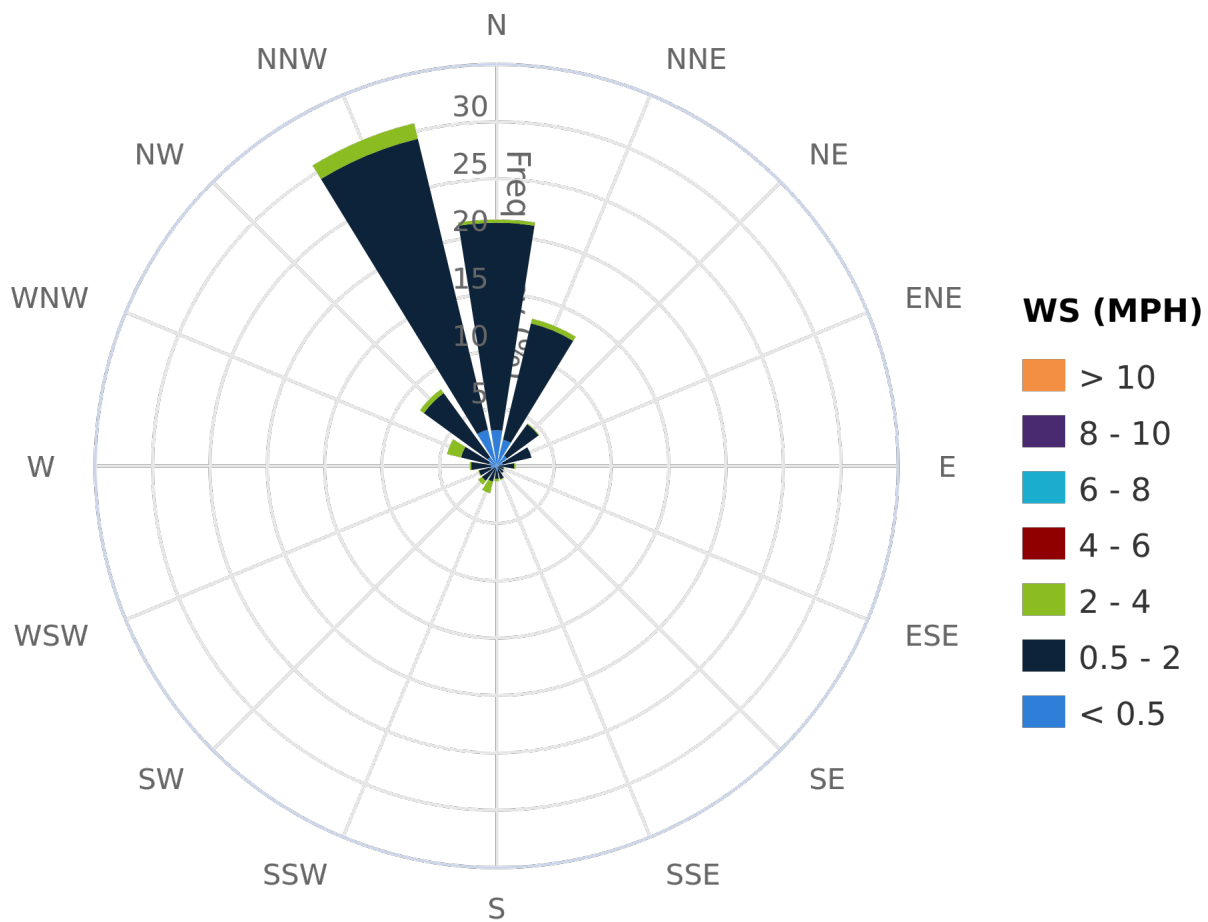


Figure 3 : Wind Rose Chart (WS in MPH)



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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	4.5	4.4	5.4	4.2	2.5	2.9	2.5	3.5	0.015	0.003	0.000	0.008
00:15:00	4.6	4.4	5.1	4.3	2.6	2.9	2.3	3.2	0.011	0.005	0.000	0.000
00:30:00	4.8	4.2	5.1	4.7	3.1	2.8	2.3	3.3	0.005	0.000	0.000	0.000
00:45:00	4.9	4.3	5.5	4.2	2.9	2.8	2.3	3.8	0.004	0.003	0.000	0.000
01:00:00	4.7	4.1	5.6	3.9	2.7	2.8	2.2	3.7	0.001	0.002	0.000	0.000
01:15:00	4.5	4.3	5.6	3.5	2.5	2.9	2.0	3.8	0.005	0.000	0.000	0.000
01:30:00	4.8	4.5	4.6	3.6	2.7	3.0	2.2	3.0	0.000	0.001	0.000	0.000
01:45:00	5.2	4.9	5.5	3.5	3.1	3.4	2.0	3.8	0.000	0.000	0.000	0.000
02:00:00	5.0	4.9	8.0	3.5	2.9	3.4	2.1	6.4	0.000	0.000	0.000	0.000
02:15:00	4.6	4.7	7.3	3.7	2.7	3.3	2.2	5.6	0.000	0.000	0.001	0.000
02:30:00	4.5	4.8	6.7	3.7	2.7	3.3	2.3	5.2	0.000	0.000	0.002	0.000
02:45:00	4.3	4.7	6.0	3.5	2.6	3.3	2.3	4.5	0.000	0.000	0.003	0.000
03:00:00	4.4	4.7	7.8	4.1	2.6	3.3	2.6	6.1	0.000	0.000	0.002	0.000
03:15:00	4.5	4.6	6.0	4.0	2.6	3.3	2.7	4.5	0.000	0.000	0.012	0.000
03:30:00	4.7	4.6	6.5	4.1	2.9	3.4	2.8	4.9	0.000	0.000	0.010	0.000
03:45:00	4.6	4.7	5.9	4.1	3.0	3.5	2.6	4.5	0.000	0.000	0.008	0.000
04:00:00	4.7	4.8	5.7	4.1	3.0	3.5	2.7	4.3	0.000	0.000	0.011	0.000
04:15:00	4.7	4.9	5.5	4.1	2.9	3.6	2.6	4.1	0.000	0.000	0.008	0.000
04:30:00	4.6	5.0	5.6	4.0	2.9	3.6	2.6	4.2	0.000	0.000	0.009	0.000
04:45:00	4.5	4.9	5.8	3.8	3.0	3.5	2.6	4.4	0.000	0.000	0.008	0.000
05:00:00	5.0	4.8	5.6	4.1	3.2	3.5	2.8	4.1	0.000	0.000	0.003	0.000
05:15:00	5.1	4.8	5.4	4.2	3.5	3.5	2.9	3.9	0.000	0.000	0.008	0.000
05:30:00	5.5	4.9	5.2	4.1	3.8	3.6	2.9	3.8	0.000	0.000	0.008	0.000
05:45:00	5.8	5.5	5.5	4.3	4.0	4.1	2.9	4.0	0.000	0.000	0.002	0.000
06:00:00	6.1	7.3	5.4	4.3	4.3	5.8	2.9	4.0	0.000	0.000	0.003	0.000
06:15:00	7.5	11.3	5.9	4.7	5.8	9.5	3.0	4.4	0.000	0.000	0.002	0.000
06:30:00	8.7	14.2	6.3	5.3	6.6	12.3	3.8	4.8	0.000	0.000	0.002	0.000
06:45:00	9.5	13.9	6.9	6.2	7.7	11.9	4.3	5.4	0.000	0.000	0.002	0.000
07:00:00	8.2	9.5	6.7	6.2	6.1	7.9	4.1	5.3	0.000	0.000	0.000	0.000
07:15:00	5.5	6.8	7.4	5.5	3.8	5.4	3.7	6.0	0.000	0.000	0.000	0.000
07:30:00	5.3	6.1	7.1	5.2	3.6	4.7	3.2	5.7	0.000	0.000	0.001	0.000
07:45:00	5.8	7.2	7.8	4.7	4.1	5.4	3.1	6.4	0.000	0.000	0.002	0.000
08:00:00	6.9	7.2	12.6	5.1	5.2	5.6	3.8	10.6	0.000	0.000	0.006	0.000
08:15:00	8.0	7.7	14.0	5.3	6.0	6.0	3.9	12.0	0.000	0.000	0.002	0.000
08:30:00	9.1	7.0	14.2	6.8	5.9	5.5	5.4	12.1	0.000	0.000	0.000	0.000
08:45:00	8.4	7.8	12.8	8.7	5.6	6.3	7.0	10.4	0.000	0.000	0.000	0.000
09:00:00	8.3	7.0	12.5	8.6	5.8	5.6	6.8	10.5	0.000	0.000	0.000	0.000
09:15:00	7.6	7.3	11.4	7.1	5.2	5.7	5.4	9.4	0.000	0.000	0.000	0.000
09:30:00	6.2	7.6	6.9	5.3	4.2	6.0	3.7	5.2	0.000	0.000	0.000	0.000
09:45:00	5.5	6.3	5.4	4.3	3.6	4.8	2.8	3.8	0.000	0.003	0.000	0.000
10:00:00	4.9	5.6	4.9	4.0	3.1	4.2	2.5	3.1	0.012	0.004	0.000	0.001
10:15:00	7.4	5.0	4.7	3.6	3.0	3.6	2.3	3.3	0.016	0.003	0.000	0.008
10:30:00	4.2	4.8	4.2	3.4	2.5	3.3	2.2	2.8	0.025	0.004	0.000	0.011
10:45:00	4.1	4.4	4.1	3.4	2.4	3.1	2.0	2.6	0.034	0.006	0.000	0.020
11:00:00	4.0	4.4	4.0	3.4	2.4	3.1	2.1	2.5	0.033	0.007	0.000	0.026
11:15:00	3.9	4.4	3.7	3.5	2.4	3.1	2.2	2.5	0.031	0.010	0.000	0.025
11:30:00	4.0	4.4	3.9	3.3	2.4	3.1	2.0	2.5	0.023	0.004	0.000	0.026
11:45:00	4.0	4.0	3.7	3.3	2.4	2.9	2.1	2.5	0.025	0.001	0.000	0.023



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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	3.2	3.8	3.7	3.2	2.0	2.7	1.9	2.4	0.016	0.000	0.000	0.014
12:15:00	3.3	3.6	3.4	2.9	2.0	2.5	1.8	2.1	0.005	0.000	0.000	0.008
12:30:00	3.1	3.5	3.5	2.7	1.9	2.5	1.7	2.3	0.000	0.000	0.000	0.001
12:45:00	3.0	3.2	2.9	2.5	1.8	2.3	1.6	1.9	0.000	0.000	0.000	0.000
13:00:00	3.0	3.2	2.7	2.4	1.7	2.2	1.5	1.7	0.000	0.000	0.000	0.000
13:15:00	2.8	3.0	2.5	2.7	1.7	2.1	1.5	1.6	0.000	0.000	0.000	0.000
13:30:00	4.5	3.0	2.6	2.4	1.7	2.1	1.5	1.5	0.000	0.000	0.000	0.000
13:45:00	2.8	2.9	3.6	2.7	1.6	2.1	1.6	1.6	0.000	0.000	0.000	0.000
14:00:00	3.0	2.9	2.7	2.5	1.8	2.0	1.6	1.6	0.000	0.000	0.000	0.000
14:15:00	3.0	3.0	2.8	2.9	1.7	2.1	1.7	1.7	0.000	0.000	0.000	0.000
14:30:00	2.9	2.9	4.4	2.8	1.7	2.1	1.7	2.0	0.000	0.000	0.000	0.000
14:45:00	2.9	3.0	3.0	2.6	1.7	2.1	1.6	1.7	0.000	0.000	0.000	0.000
15:00:00	4.4	3.0	3.0	2.7	1.8	2.1	1.6	1.7	0.000	0.000	0.000	0.000
15:15:00	3.5	2.9	2.9	2.7	1.6	2.0	1.6	1.7	0.000	0.000	0.000	0.000
15:30:00	3.1	2.9	2.9	2.6	1.9	2.0	1.5	1.6	0.000	0.000	0.000	0.000
15:45:00	3.3	2.8	3.0	2.5	1.6	1.9	1.5	1.6	0.000	0.000	0.000	0.000
16:00:00	2.3	3.4	2.5	2.2	1.4	2.3	1.4	1.5	0.000	0.000	0.000	0.000
16:15:00	2.4	3.1	2.4	2.4	1.4	2.2	1.4	1.4	0.000	0.000	0.000	0.000
16:30:00	2.6	2.6	2.5	2.2	1.4	1.8	1.4	1.4	0.000	0.000	0.000	0.000
16:45:00	2.5	2.7	2.6	2.4	1.4	1.8	1.4	1.5	0.000	0.000	0.000	0.000
17:00:00	4.1	2.6	4.7	2.5	1.6	1.8	1.4	1.7	0.000	0.000	0.000	0.000
17:15:00	4.6	2.7	4.4	2.5	1.7	1.9	1.4	1.7	0.000	0.000	0.000	0.000
17:30:00	4.9	2.6	4.2	2.4	1.6	1.8	1.4	3.0	0.000	0.000	0.000	0.000
17:45:00	3.0	2.8	9.5	2.3	1.5	1.9	1.4	8.0	0.000	0.000	0.000	0.003
18:00:00	3.4	3.0	10.3	3.5	1.8	2.1	1.9	9.0	0.000	0.000	0.000	0.001
18:15:00	4.5	3.6	5.3	6.6	2.9	2.4	2.5	4.2	0.000	0.000	0.000	0.000
18:30:00	4.3	4.8	4.2	6.7	3.0	2.9	3.6	3.0	0.000	0.000	0.000	0.001
18:45:00	4.7	4.9	4.6	10.2	3.4	3.0	4.5	2.9	0.004	0.000	0.000	0.000
19:00:00	4.9	5.0	5.3	9.7	3.6	3.3	4.2	3.7	0.007	0.000	0.000	0.000
19:15:00	5.3	10.9	31.7	11.3	3.9	8.8	4.7	28.0	0.006	0.003	0.002	0.000
19:30:00	6.8	21.6	34.7	14.0	4.4	18.8	8.5	31.2	0.006	0.001	0.006	0.000
19:45:00	7.3	22.5	31.5	17.8	5.2	19.7	13.3	28.3	0.001	0.000	0.004	0.000
20:00:00	22.2	20.6	39.1	17.7	7.1	18.2	13.1	34.4	0.000	0.000	0.009	0.000
20:15:00	11.0	17.6	37.9	19.9	8.1	15.3	14.8	33.4	0.000	0.000	0.013	0.000
20:30:00	29.2	15.9	37.6	21.9	12.8	12.9	17.3	32.0	0.000	0.000	0.015	0.000
20:45:00	17.0	12.4	39.0	22.6	13.0	10.1	18.0	33.5	0.000	0.000	0.014	0.000
21:00:00	14.8	10.3	43.8	20.3	11.2	8.5	15.9	38.0	0.000	0.000	0.018	0.000
21:15:00	14.8	11.6	41.6	24.9	11.6	10.0	19.5	35.9	0.000	0.000	0.022	0.000
21:30:00	15.7	24.8	36.9	27.2	12.7	22.8	22.3	31.9	0.000	0.000	0.016	0.000
21:45:00	18.3	26.9	33.9	28.0	15.0	24.7	22.7	29.1	0.000	0.000	0.015	0.000
22:00:00	24.2	28.6	30.4	26.1	20.6	26.5	21.3	26.0	0.000	0.000	0.016	0.000
22:15:00	41.5	19.5	26.4	27.4	37.1	17.7	23.1	22.4	0.000	0.000	0.013	0.000
22:30:00	41.0	16.5	22.7	27.4	36.7	14.9	23.0	19.0	0.000	0.000	0.012	0.000
22:45:00	17.5	30.9	18.5	21.9	14.8	28.6	18.3	15.5	0.000	0.000	0.011	0.000
23:00:00	14.6	28.5	17.1	18.0	12.0	25.6	14.9	14.3	0.000	0.000	0.012	0.000
23:15:00	16.1	32.6	15.7	25.0	13.5	29.2	18.1	13.0	0.000	0.000	0.011	0.000
23:30:00	15.5	24.0	14.1	22.7	13.1	21.2	16.2	11.7	0.000	0.000	0.010	0.000
23:45:00	12.5	18.7	13.0	17.5	10.2	16.3	13.6	10.9	0.000	0.000	0.012	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)
21:00:00								38.0				
21:15:00								35.9				
22:15:00					37.1							
22:30:00					36.7							