



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-09

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1790 Max : 11.23	2943 ESE	2995 N	2996 SE	2997 N	Min : 71.42 Max : 87.44	Min : 64.30 Max : 93.30	Min : 29.93 Max : 30.16

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	22.0	543.4	8.4	59.5	0.008	0.054
2995	15.0	24.8	8.0	14.7	0.009	0.036
2996	15.7	25.7	7.9	12.3	0.000	0.005
2997	14.8	23.4	7.2	11.3	0.007	0.023

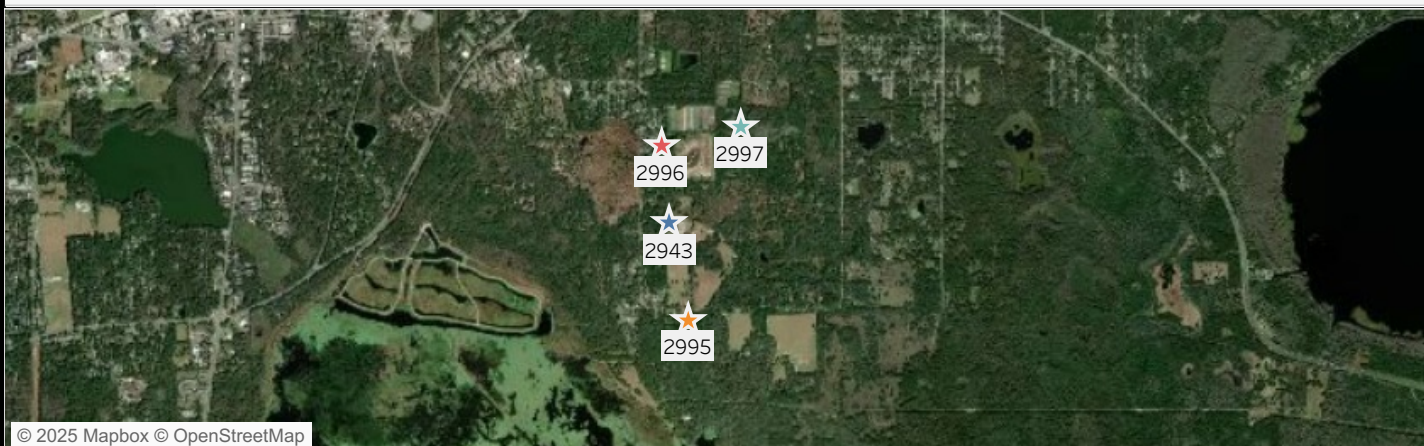


Figure 1 : Monitoring Locations

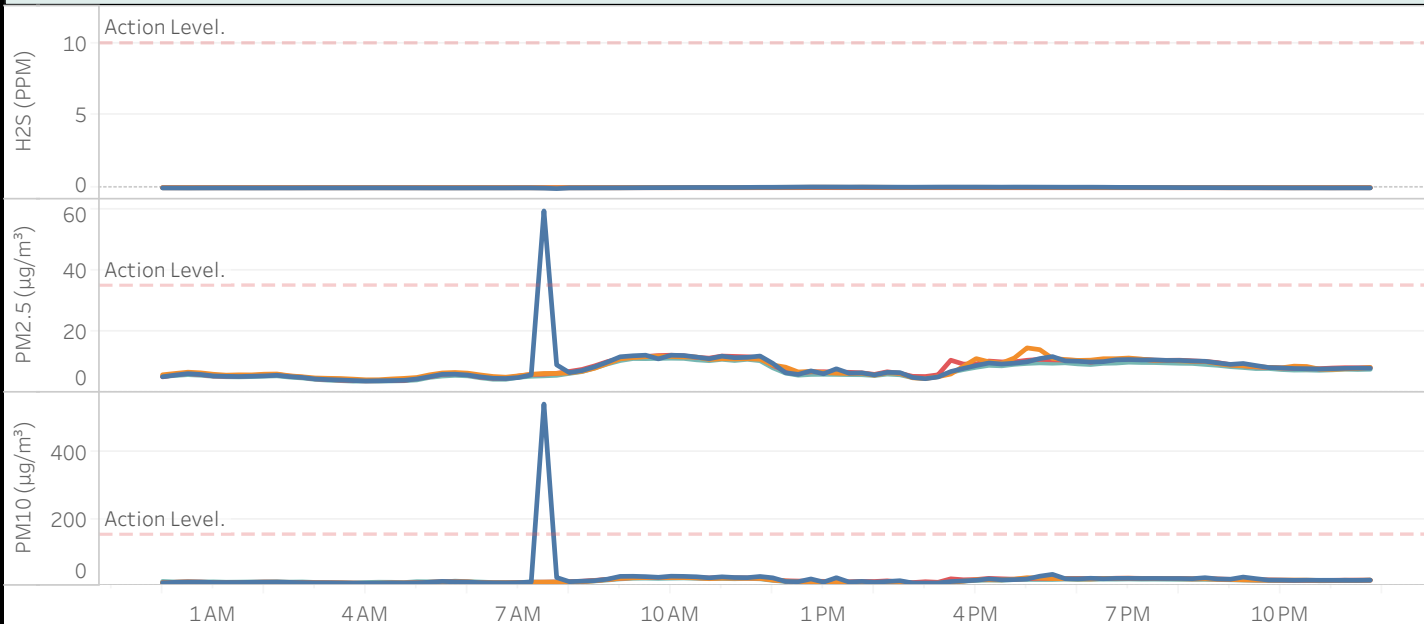


Figure 2 : 15 Minutes Average Concentrations

2943 2995 2996 2997



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Wind Rose Chart 2943

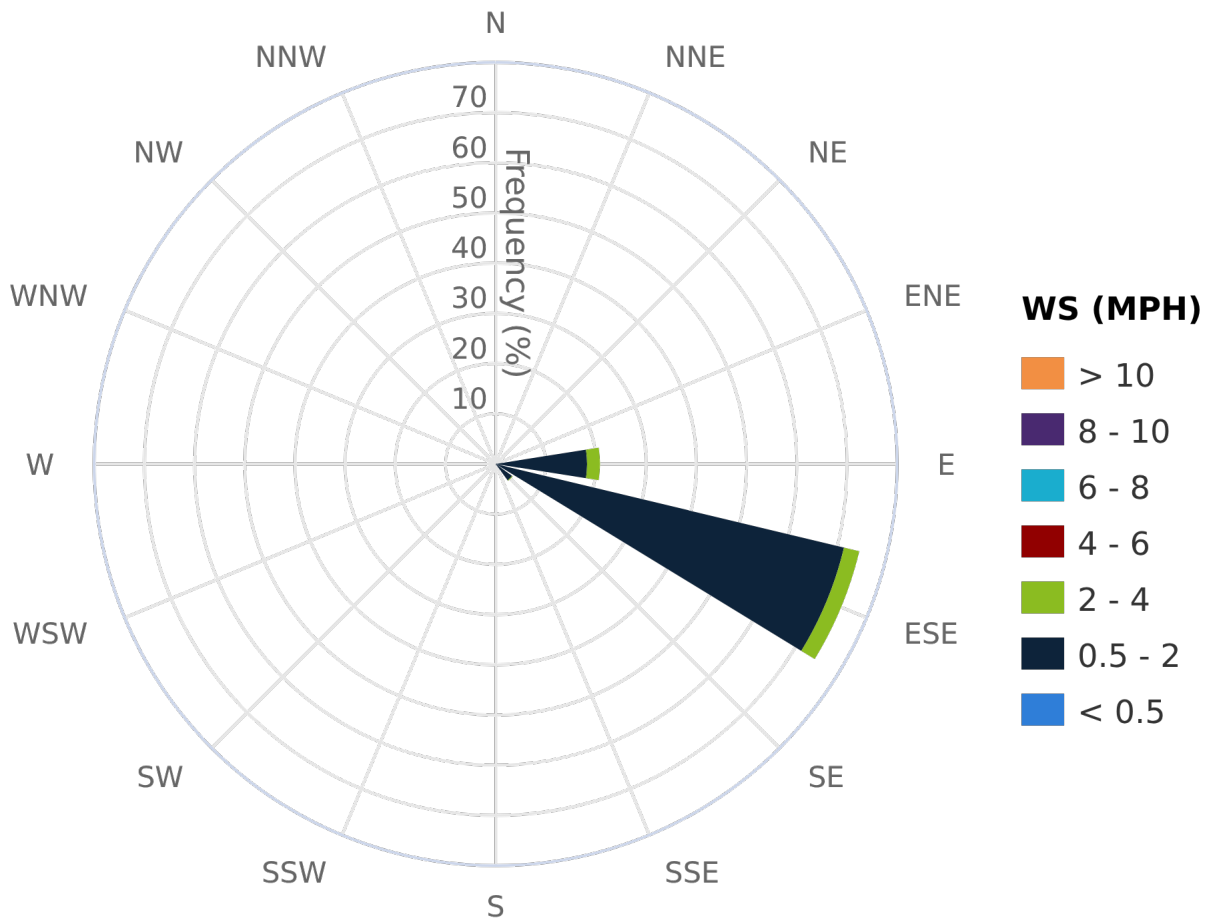


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

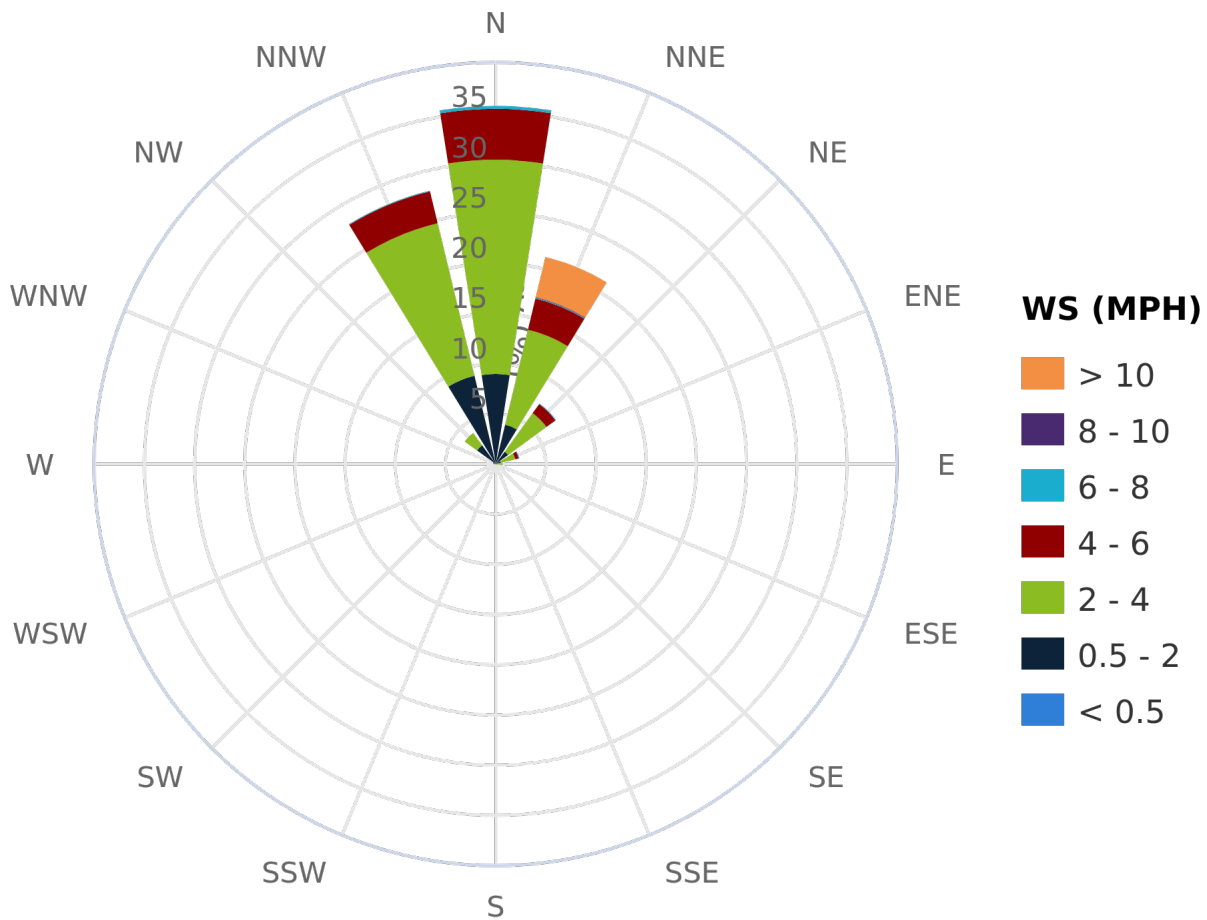


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

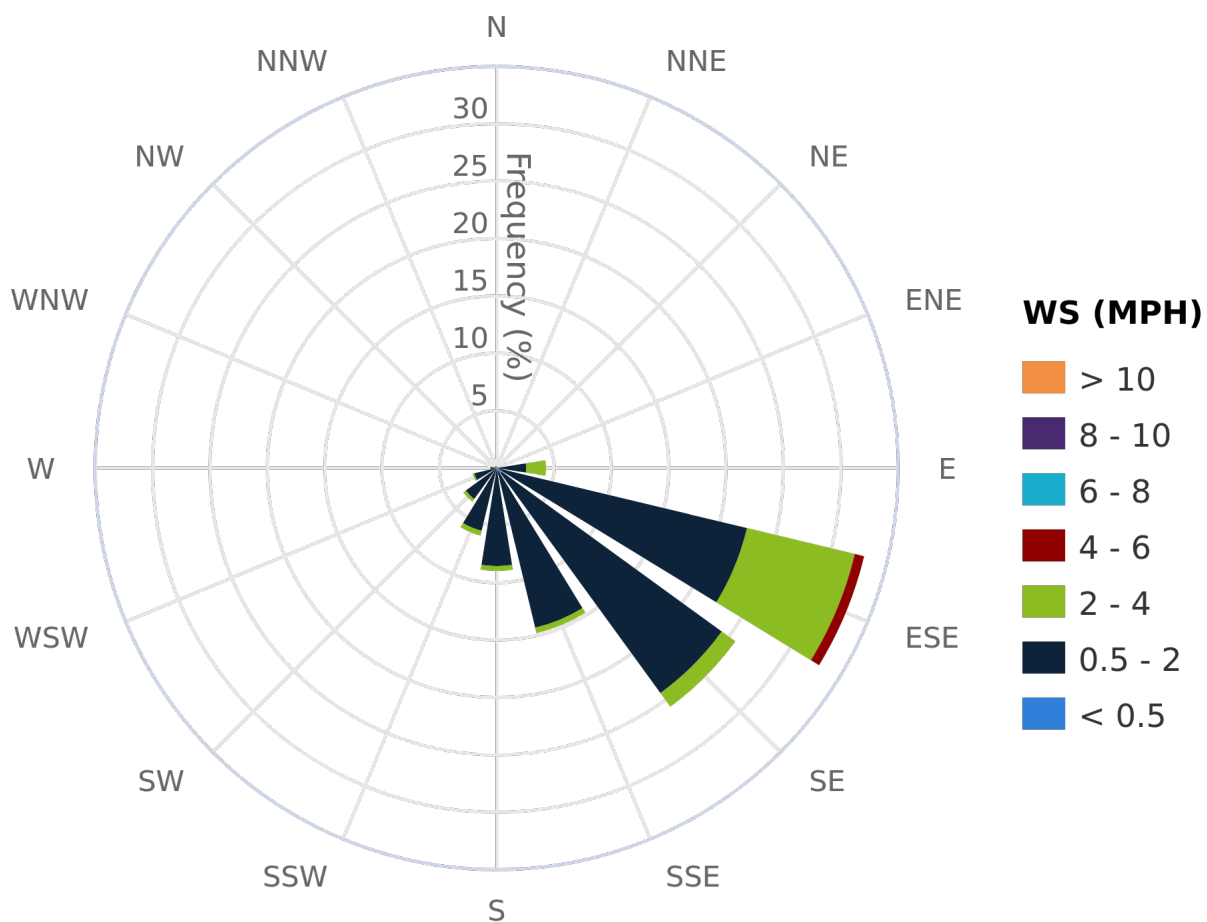


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

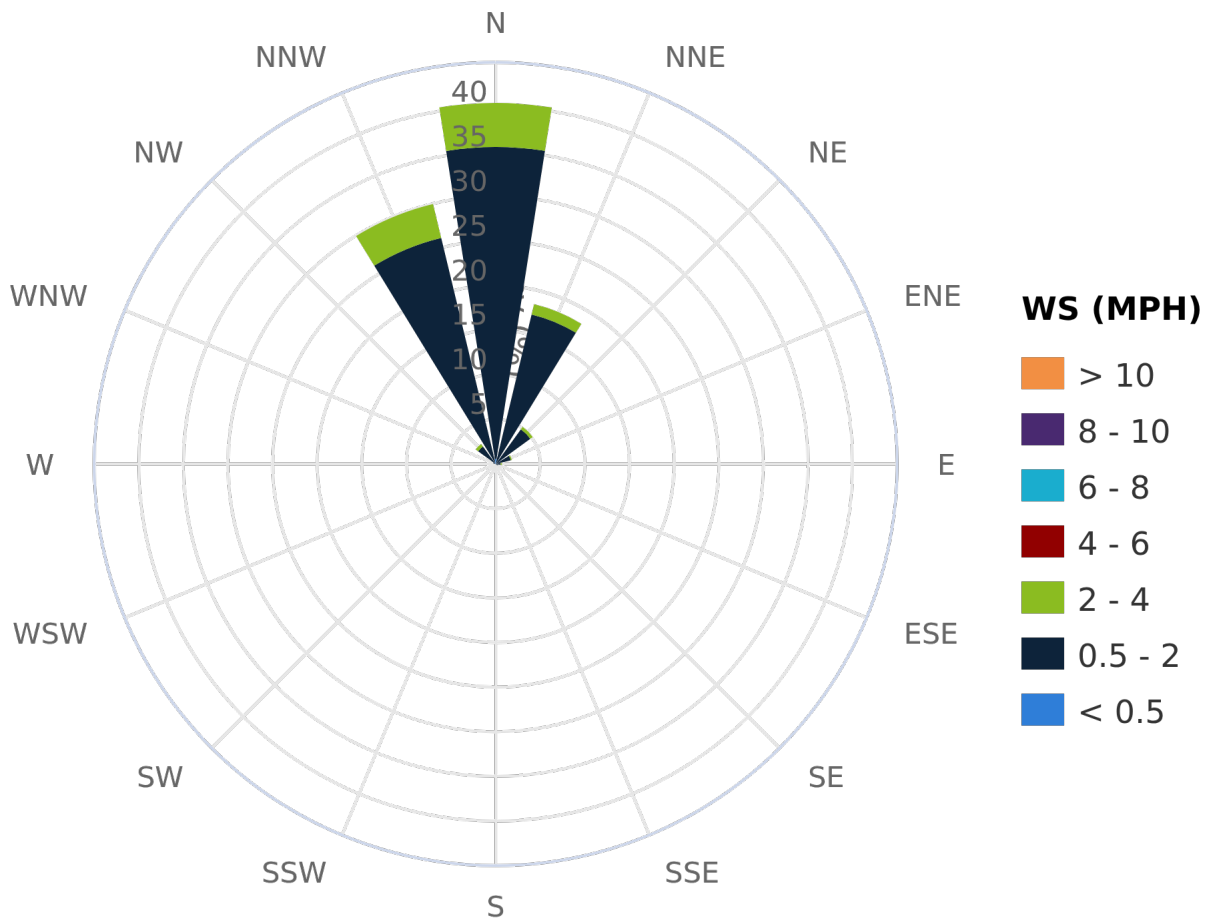


Figure 3 : Wind Rose Chart (WS in MPH)



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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	8.9	9.2	12.9	9.0	5.2	5.8	5.2	5.3	-0.016	0.000	0.000	0.000
00:15:00	10.3	10.4	11.2	10.6	5.8	6.3	5.9	5.6	-0.017	0.000	0.000	0.000
00:30:00	11.3	11.3	11.5	11.3	6.2	6.7	6.3	5.9	-0.019	0.000	0.000	0.000
00:45:00	10.9	10.5	11.2	11.0	6.0	6.5	5.9	5.7	-0.017	0.000	0.000	0.000
01:00:00	9.9	10.0	11.7	9.8	5.5	6.0	5.5	5.3	-0.015	0.000	0.000	0.000
01:15:00	9.9	9.6	10.6	10.1	5.3	5.7	5.4	5.2	-0.014	0.000	0.000	0.000
01:30:00	10.0	9.8	10.9	10.1	5.3	5.8	5.4	5.2	-0.016	0.000	0.000	0.000
01:45:00	10.3	10.0	11.4	10.3	5.4	5.8	5.6	5.3	-0.017	0.000	0.000	0.000
02:00:00	10.6	10.4	11.7	11.0	5.5	6.0	5.8	5.4	-0.017	0.000	0.000	0.000
02:15:00	10.8	10.5	12.0	10.7	5.7	6.1	5.9	5.5	-0.015	0.000	0.000	0.000
02:30:00	10.1	9.5	11.0	10.3	5.3	5.5	5.4	5.1	-0.016	0.000	0.000	0.000
02:45:00	9.5	9.2	11.4	9.9	5.0	5.2	5.1	4.8	-0.014	0.000	0.000	0.000
03:00:00	8.9	8.8	10.0	9.0	4.5	4.8	4.5	4.4	-0.012	0.000	0.000	0.000
03:15:00	8.7	8.3	9.7	8.7	4.3	4.7	4.3	4.1	-0.012	0.000	0.000	0.000
03:30:00	8.2	8.2	9.4	8.4	4.1	4.6	4.1	3.9	-0.012	0.000	0.000	0.000
03:45:00	7.9	7.7	8.4	7.9	4.0	4.4	4.0	3.8	-0.012	0.000	0.000	0.000
04:00:00	7.5	7.2	9.8	7.5	3.8	4.2	3.9	3.8	-0.009	0.000	0.000	0.000
04:15:00	7.6	7.4	10.6	7.6	3.9	4.2	3.9	3.8	-0.010	0.000	0.000	0.000
04:30:00	8.2	7.8	10.4	8.2	3.9	4.5	3.9	3.8	-0.011	0.000	0.000	0.000
04:45:00	8.2	8.1	9.6	8.1	4.0	4.7	4.0	3.9	-0.012	0.000	0.000	0.000
05:00:00	8.9	8.7	12.2	9.0	4.5	5.0	4.7	4.2	-0.013	0.000	0.000	0.000
05:15:00	10.5	10.4	11.8	10.5	5.2	5.8	5.2	5.0	-0.016	0.000	0.000	0.000
05:30:00	13.1	11.3	11.2	11.7	6.0	6.5	6.0	5.4	-0.015	0.000	0.000	0.000
05:45:00	11.7	11.5	13.8	11.8	6.0	6.6	6.2	5.7	-0.017	0.000	0.000	0.000
06:00:00	10.9	11.2	12.4	11.2	5.8	6.4	5.8	5.5	-0.016	0.000	0.000	0.000
06:15:00	9.5	9.7	11.1	9.3	5.2	5.8	5.1	4.9	-0.014	0.000	0.000	0.000
06:30:00	8.8	8.7	9.7	8.4	4.7	5.3	4.7	4.4	-0.015	0.000	0.000	0.000
06:45:00	8.4	8.4	10.2	8.4	4.6	5.1	4.7	4.4	-0.016	0.000	0.000	0.000
07:00:00	9.4	9.1	9.5	9.3	4.9	5.5	5.4	5.0	-0.012	0.000	0.000	0.000
07:15:00	11.2	10.2	11.3	10.7	5.8	6.0	6.0	5.4	-0.013	0.000	0.000	0.000
07:30:00	543.4	10.9	10.6	10.8	59.5	6.3	6.1	5.5	-0.027	0.000	0.000	0.000
07:45:00	24.7	10.7	11.5	11.3	9.1	6.3	6.3	5.7	-0.060	0.000	0.000	0.000
08:00:00	12.3	10.9	11.5	12.3	6.6	6.5	6.9	6.3	-0.014	0.000	0.000	0.000
08:15:00	13.7	12.2	12.3	13.7	7.2	7.0	7.6	6.9	-0.014	0.000	0.000	0.000
08:30:00	15.4	15.0	14.5	16.2	8.5	8.0	8.8	8.1	-0.011	0.000	0.000	0.000
08:45:00	19.7	18.6	17.3	19.2	10.0	9.5	10.2	9.4	-0.009	0.000	0.000	0.000
09:00:00	28.1	22.5	20.6	22.3	11.7	11.1	11.2	10.5	-0.007	0.000	0.000	0.000
09:15:00	28.4	23.9	22.5	24.3	12.1	11.5	11.8	11.2	-0.002	0.004	0.000	0.001
09:30:00	27.3	24.6	22.8	24.3	12.3	11.8	11.8	11.1	0.004	0.005	0.000	0.000
09:45:00	25.3	24.8	22.0	24.8	11.1	12.0	12.1	11.2	0.006	0.005	0.000	0.001
10:00:00	28.6	24.7	22.8	25.7	12.3	11.9	12.3	11.3	0.010	0.003	0.000	0.004
10:15:00	28.1	24.3	23.4	24.8	12.2	11.7	12.1	11.2	0.012	0.005	0.000	0.006
10:30:00	26.8	23.7	22.4	23.9	11.7	11.7	11.6	10.8	0.016	0.007	0.000	0.006
10:45:00	23.8	21.4	21.2	23.4	11.1	10.9	11.3	10.5	0.018	0.011	0.000	0.002
11:00:00	26.7	22.6	21.9	24.1	11.9	11.1	12.0	10.9	0.017	0.011	0.000	0.006
11:15:00	24.7	22.7	21.0	23.5	11.4	11.0	11.9	10.5	0.017	0.010	0.000	0.008
11:30:00	24.3	22.6	22.0	23.3	11.6	11.1	11.7	10.9	0.024	0.015	0.000	0.012
11:45:00	27.8	22.0	20.8	22.9	12.0	11.0	11.4	10.5	0.030	0.017	0.001	0.011



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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)
12:00:00	23.7	17.0	16.0	17.9	9.6	9.0	8.9	8.1	0.032	0.024	0.002	0.016
12:15:00	12.8	14.1	13.1	14.9	6.5	8.3	7.1	6.4	0.038	0.028	0.003	0.017
12:30:00	12.1	11.4	12.1	14.1	6.0	6.8	6.5	5.7	0.046	0.028	0.003	0.016
12:45:00	20.4	12.1	10.9	13.8	7.1	7.0	6.8	6.0	0.054	0.034	0.005	0.022
13:00:00	11.0	11.1	10.6	13.3	6.2	6.6	6.9	6.0	0.052	0.036	0.005	0.023
13:15:00	24.1	10.6	10.8	12.5	7.8	6.4	6.7	6.0	0.050	0.034	0.003	0.021
13:30:00	11.1	10.4	10.2	12.0	6.4	6.3	6.7	5.9	0.048	0.030	0.003	0.023
13:45:00	13.1	10.8	11.3	12.6	6.5	6.4	6.5	5.9	0.050	0.036	0.004	0.023
14:00:00	10.7	9.2	10.6	12.7	5.8	5.7	6.0	5.6	0.046	0.033	0.003	0.022
14:15:00	12.8	10.3	11.4	14.7	6.6	6.5	6.8	6.1	0.041	0.030	0.002	0.020
14:30:00	15.1	9.8	10.9	11.1	6.6	6.3	6.3	5.9	0.039	0.024	0.002	0.018
14:45:00	8.3	7.2	9.1	9.5	5.0	4.9	5.3	4.9	0.037	0.025	0.003	0.014
15:00:00	7.9	6.7	10.3	12.1	4.6	4.6	5.3	4.7	0.041	0.025	0.002	0.015
15:15:00	8.3	7.9	9.8	10.3	5.1	5.2	5.8	5.3	0.045	0.027	0.001	0.019
15:30:00	12.6	9.5	12.9	20.8	6.9	6.1	10.6	6.7	0.047	0.027	0.001	0.019
15:45:00	14.6		13.9	17.8	7.9		9.3	7.6	0.045	0.028	0.002	0.021
16:00:00	16.6	18.1	16.1	18.7	8.9	11.2	9.4	8.3	0.045	0.029	0.001	0.022
16:15:00	20.5	17.9	17.0	22.1	9.7	10.1	10.4	8.9	0.044	0.026	0.000	0.016
16:30:00	17.8	17.7	16.5	20.8	9.4	9.7	10.1	8.8	0.041	0.025	0.001	0.015
16:45:00	18.4	19.9	18.5	19.6	9.6	11.3	10.1	9.3	0.046	0.024	0.000	0.017
17:00:00	20.2	24.1	18.9	21.1	10.1	14.7	10.6	9.6	0.044	0.025	0.000	0.017
17:15:00	28.6	23.3	18.7	22.2	11.2	14.1	10.9	9.8	0.042	0.024	0.000	0.016
17:30:00	34.1	21.4	18.7	21.3	11.8	11.2	10.8	9.6	0.040	0.021	0.000	0.016
17:45:00	21.2	21.1	19.9	21.6	10.4	10.9	10.7	9.8	0.036	0.021	0.000	0.014
18:00:00	20.6	20.6	18.7	22.0	10.3	10.6	10.6	9.4	0.037	0.018	0.000	0.014
18:15:00	22.5	20.3	19.3	21.1	10.0	10.6	10.0	9.2	0.038	0.016	0.000	0.014
18:30:00	21.1	21.9	19.9	21.4	10.2	11.1	10.4	9.6	0.034	0.015	0.000	0.013
18:45:00	22.1	22.1	19.7	22.6	10.7	11.1	10.8	9.7	0.026	0.011	0.000	0.011
19:00:00	22.2	22.6	20.2	22.7	10.8	11.3	11.0	10.0	0.023	0.008	0.000	0.010
19:15:00	21.9	21.6	19.7	22.2	10.7	11.0	10.9	9.9	0.020	0.010	0.000	0.012
19:30:00	21.9	21.3	19.8	22.0	10.7	10.6	10.6	9.9	0.017	0.009	0.000	0.010
19:45:00	21.7	21.5	19.6	21.3	10.6	10.6	10.6	9.7	0.015	0.005	0.000	0.009
20:00:00	21.7	21.1	19.2	21.5	10.6	10.4	10.6	9.6	0.009	0.003	0.000	0.007
20:15:00	21.2	20.7	19.1	20.7	10.4	10.3	10.4	9.6	0.006	0.004	0.000	0.008
20:30:00	24.1	21.0	19.1	21.4	10.3	10.2	10.2	9.3	0.006	0.002	0.000	0.007
20:45:00	20.4	19.7	18.6	20.2	9.7	9.5	9.9	9.0	0.002	0.003	0.000	0.006
21:00:00	19.6	18.6	17.9	19.2	9.3	9.0	9.1	8.5	0.000	0.000	0.000	0.004
21:15:00	26.0	17.6	17.1	18.2	9.6	8.8	8.8	8.2	-0.002	0.001	0.000	0.006
21:30:00	21.3	17.4	16.1	17.7	8.9	8.5	8.4	7.9	-0.003	0.001	0.000	0.004
21:45:00	17.0	16.8	16.1	17.5	8.2	8.3	8.3	7.9	-0.006	0.000	0.000	0.004
22:00:00	16.8	16.9	15.6	16.9	8.1	8.1	8.1	7.6	-0.008	0.000	0.000	0.004
22:15:00	16.2	17.1	15.4	16.3	7.9	8.7	7.9	7.4	-0.010	0.000	0.000	0.001
22:30:00	16.7	16.9	15.9	16.2	7.8	8.6	7.8	7.4	-0.010	0.000	0.000	0.003
22:45:00	16.4	15.9	15.1	16.2	7.8	7.7	7.9	7.3	-0.010	0.000	0.000	0.001
23:00:00	16.4	16.1	15.2	16.3	7.8	7.6	8.1	7.5	-0.013	0.000	0.000	0.000
23:15:00	16.2	16.2	16.7	16.8	8.0	7.8	8.2	7.7	-0.011	0.000	0.000	0.000
23:30:00	16.3	16.4	15.4	16.9	8.0	7.9	8.2	7.6	-0.011	0.000	0.000	0.000
23:45:00	16.7	16.8	17.1	16.9	8.0	8.3	8.2	7.7	-0.013	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)
07:30:00	543.4				59.5							