



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-08-25

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.06700 Max : 15.03	2943 SE	2995 SE	2996 NE	2997 N	Min : 72.32 Max : 98.96	Min : 56.30 Max : 96.70	Min : 29.90 Max : 30.11

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	17.4	54.7	7.1	45.9	0.002	0.078
2995	12.7	24.7	4.3	9.6	0.011	0.053
2996	13.0	37.2	5.3	14.6	0.001	0.009
2997	19.3	64.3	5.5	11.7	0.006	0.033

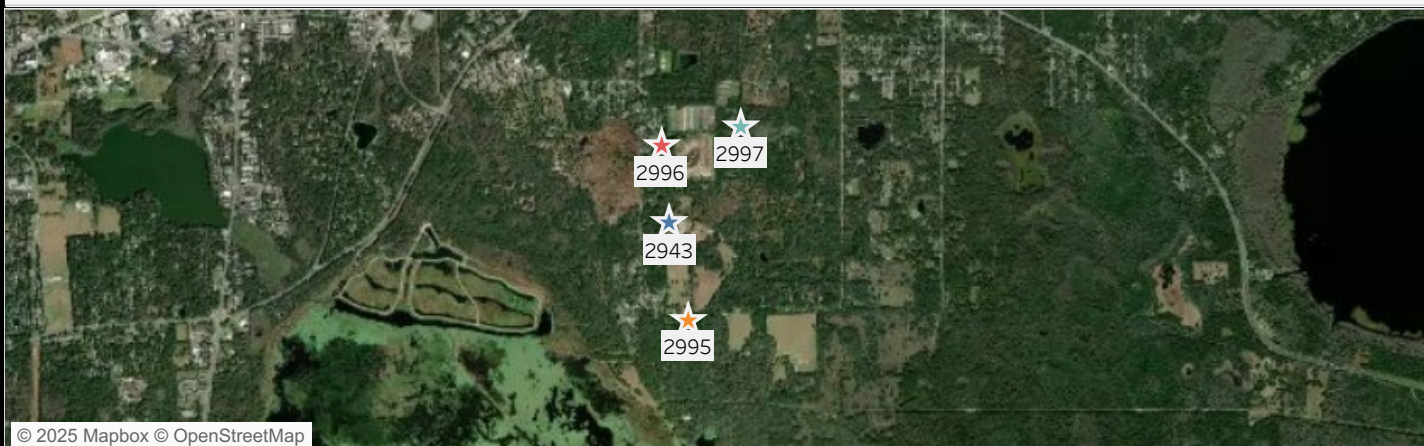


Figure 1 : Monitoring Locations

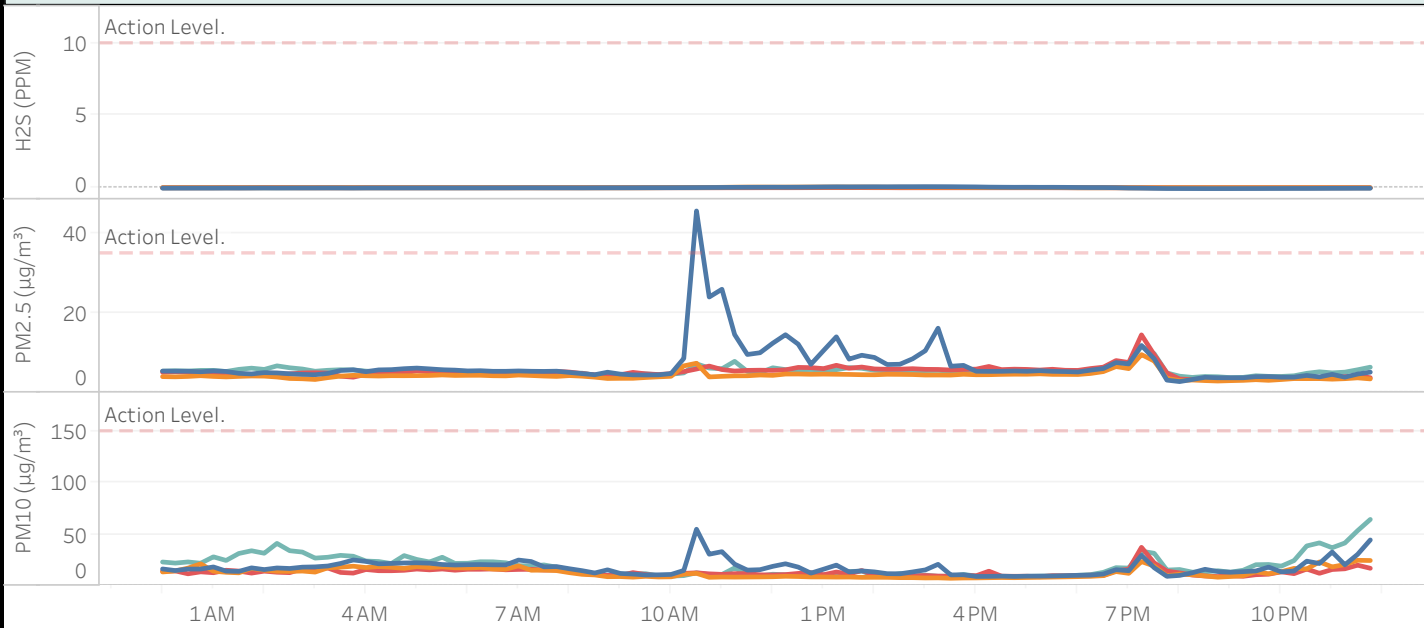


Figure 2 : 15 Minutes Average Concentrations

2943 2995 2996 2997



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Wind Rose Chart 2943

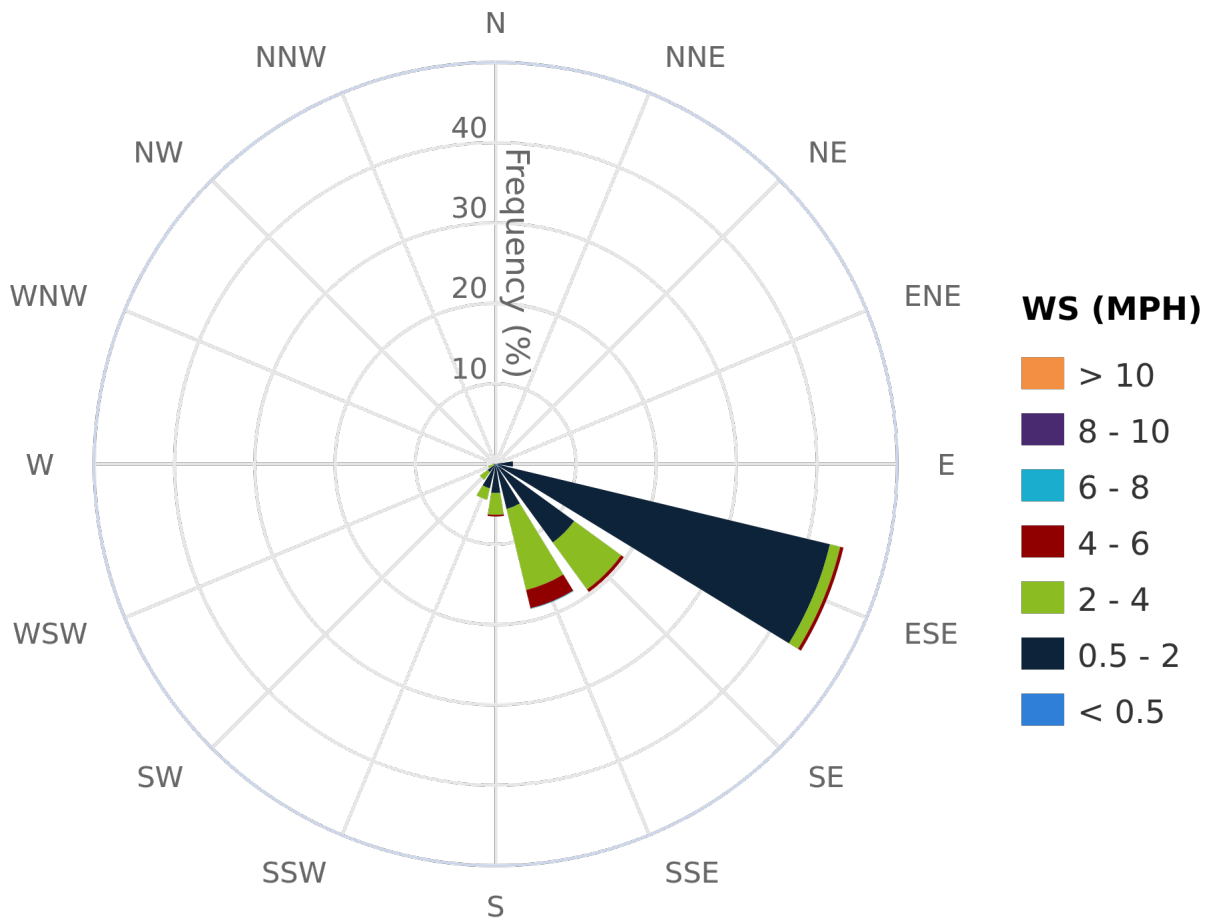


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

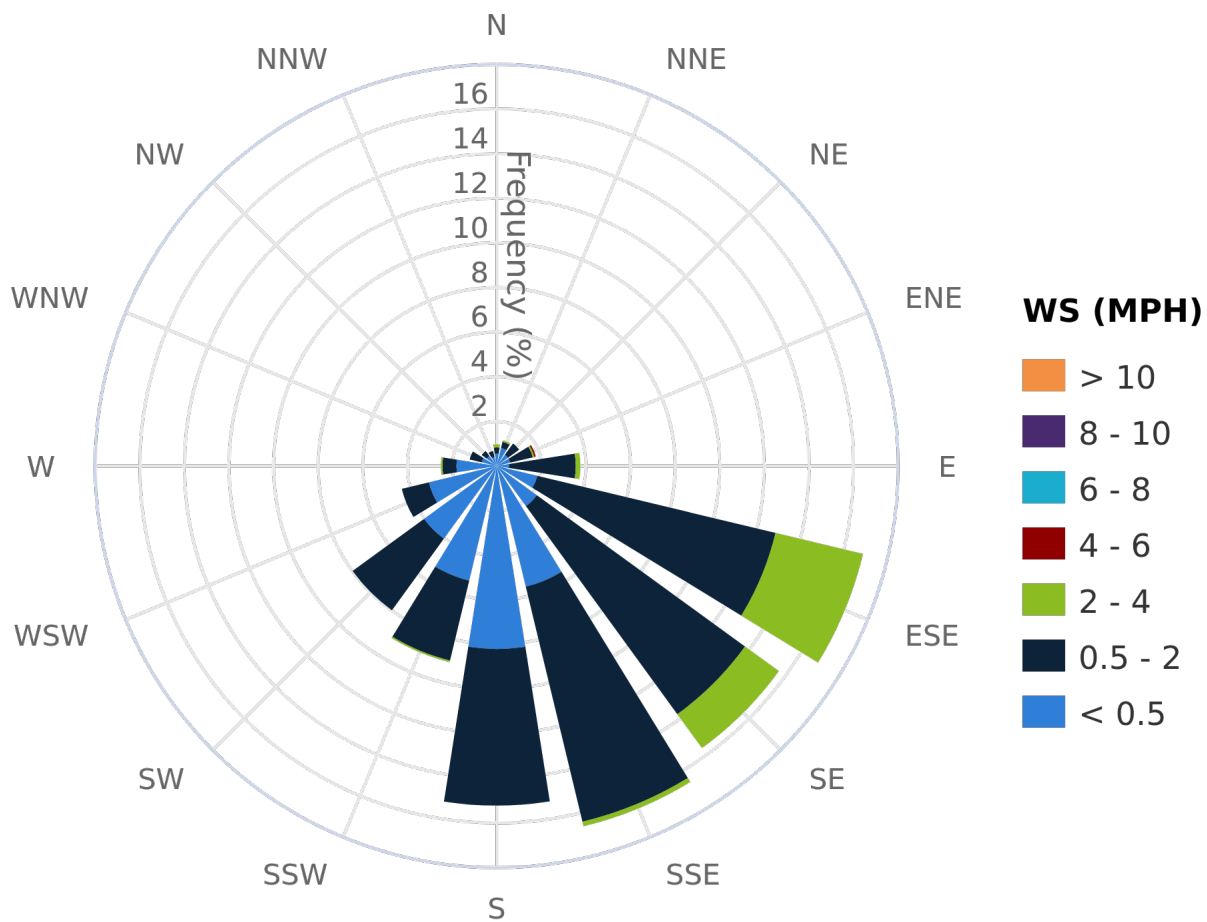


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

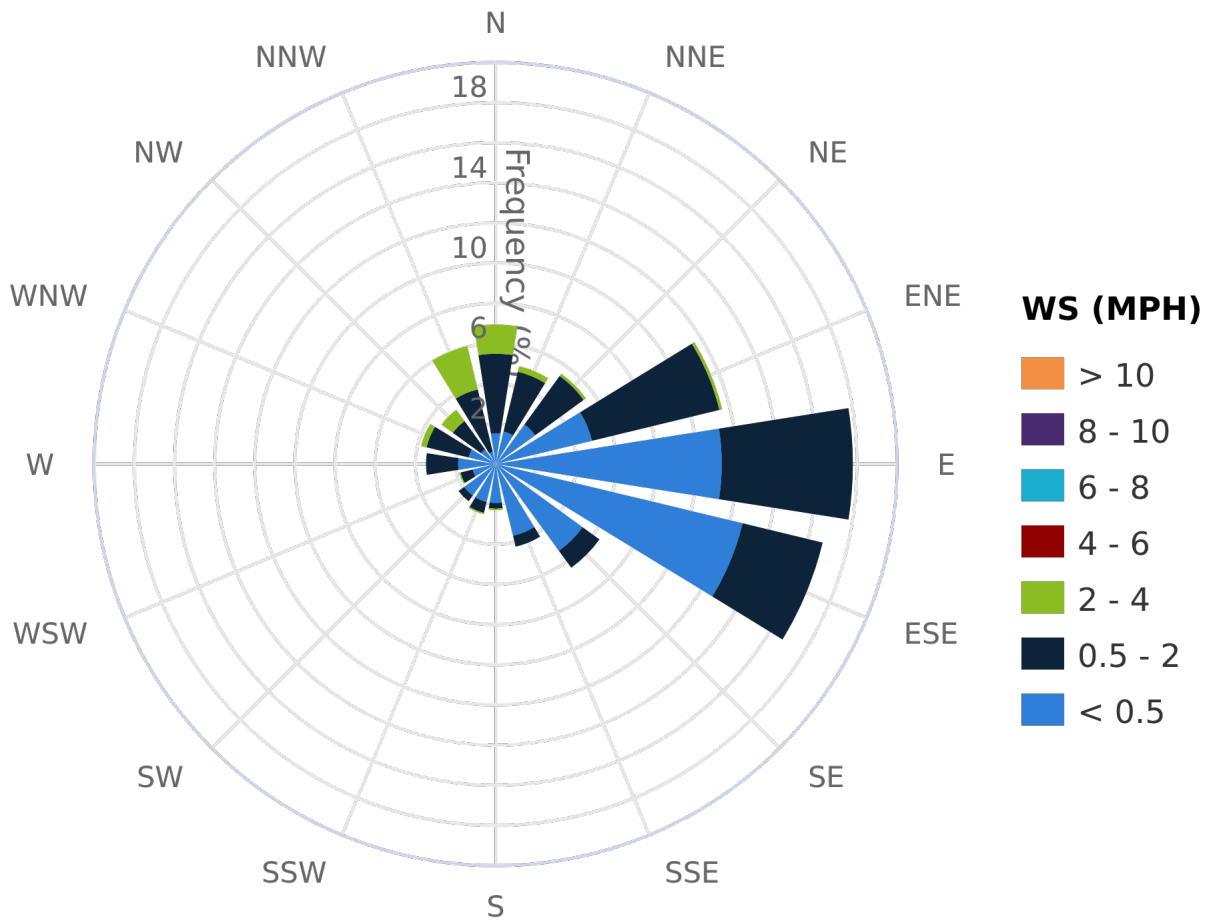


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

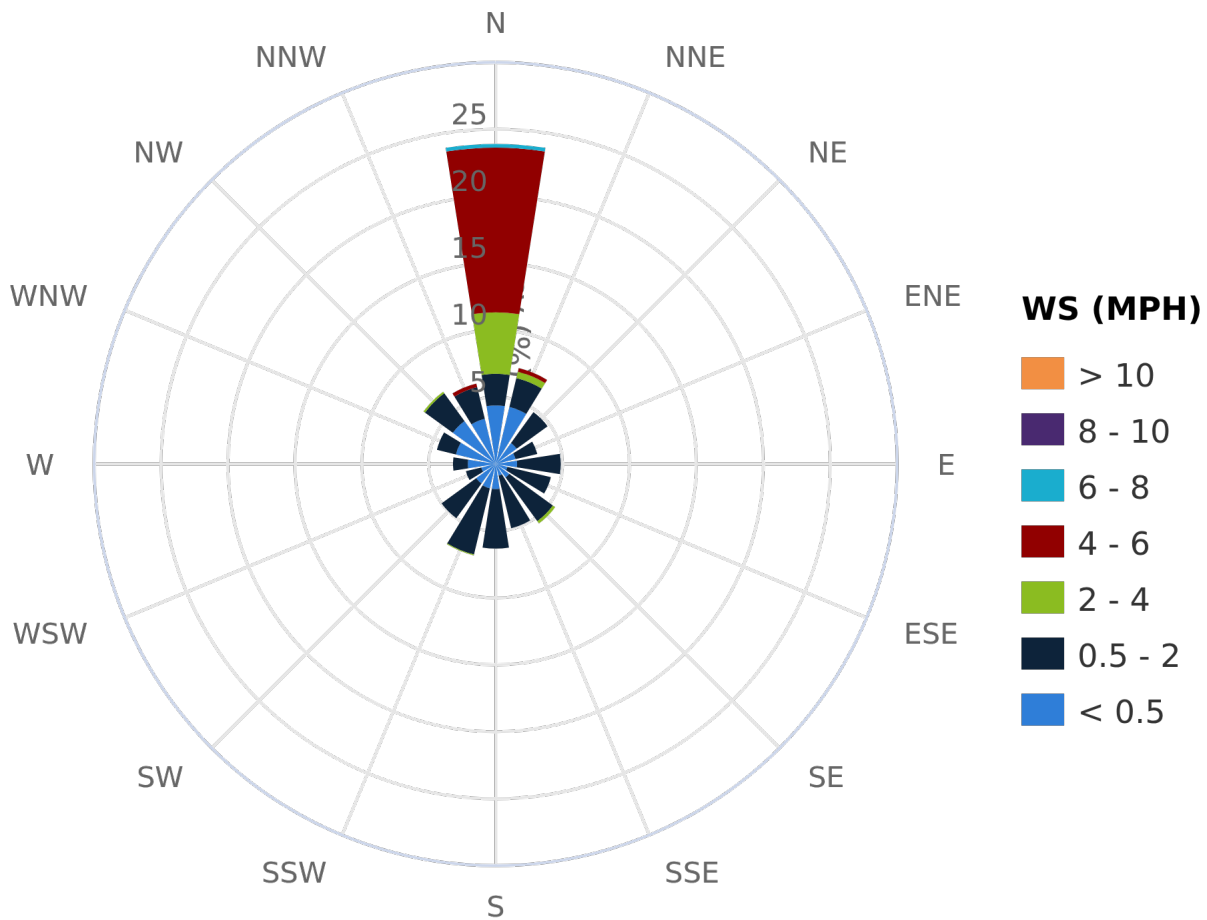


Figure 3 : Wind Rose Chart (WS in MPH)



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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	16.3	13.4	23.0	14.2	5.4	4.0	5.1	5.4	-0.028	0.000	0.000	0.000
00:15:00	14.7	14.3	22.0	14.4	5.4	4.0	5.3	5.5	-0.025	0.000	0.000	0.000
00:30:00	16.2	17.1	23.1	11.6	5.4	4.1	5.2	5.5	-0.024	0.000	0.000	0.000
00:45:00	16.2	21.2	21.8	13.5	5.3	4.3	5.2	5.6	-0.023	0.000	0.000	0.000
01:00:00	18.2	14.1	28.0	12.6	5.5	4.1	5.0	5.6	-0.023	0.000	0.000	0.000
01:15:00	14.2	13.1	24.5	15.0	5.3	4.0	5.1	5.3	-0.020	0.000	0.004	0.000
01:30:00	13.9	12.5	31.3	14.2	4.9	4.1	4.8	5.9	-0.021	0.000	0.000	0.000
01:45:00	17.3	16.8	33.9	12.3	4.7	4.2	4.5	6.2	-0.018	0.000	0.003	0.000
02:00:00	15.7	15.1	31.5	14.2	5.1	4.2	4.5	5.9	-0.015	0.000	0.007	0.000
02:15:00	17.3	14.1	41.0	13.1	5.0	3.9	4.5	6.8	-0.019	0.000	0.008	0.000
02:30:00	16.7	13.9	34.0	12.7	4.8	3.6	4.7	6.3	-0.016	0.000	0.006	0.000
02:45:00	18.0	14.3	32.6	16.5	4.6	3.5	5.0	6.0	-0.014	0.000	0.001	0.000
03:00:00	18.3	13.2	26.8	17.4	4.5	3.3	5.0	5.4	-0.014	0.000	0.001	0.000
03:15:00	19.1	17.3	27.6	17.2	4.8	3.8	4.9	5.6	-0.012	0.000	0.000	0.000
03:30:00	21.6	18.0	29.4	12.9	5.6	4.2	4.2	5.8	-0.014	0.000	0.000	0.000
03:45:00	25.0	18.9	28.6	12.2	5.8	4.4	3.9	5.7	-0.018	0.000	0.000	0.000
04:00:00	23.6	17.6	24.0	15.7	5.3	4.3	4.6	5.4	-0.013	0.000	0.001	0.000
04:15:00	21.3	18.6	23.5	14.6	5.7	4.2	4.6	5.3	-0.012	0.000	0.001	0.000
04:30:00	21.6	17.9	21.5	14.6	5.8	4.3	5.1	5.2	-0.013	0.000	0.000	0.000
04:45:00	22.1	16.8	29.2	15.0	6.0	4.3	4.9	5.9	-0.012	0.000	0.000	0.000
05:00:00	22.2	18.6	25.5	16.2	6.2	4.3	5.5	5.9	-0.012	0.000	0.000	0.000
05:15:00	21.9	17.7	23.0	15.4	6.0	4.3	5.2	5.6	-0.011	0.000	0.000	0.000
05:30:00	20.6	18.3	27.6	16.2	5.8	4.5	5.3	5.7	-0.010	0.000	0.000	0.000
05:45:00	20.1	17.4	21.7	15.1	5.7	4.3	5.1	5.3	-0.011	0.000	0.000	0.000
06:00:00	20.4	17.2	21.8	16.0	5.5	4.4	5.3	5.3	-0.009	0.000	0.000	0.000
06:15:00	20.6	17.7	23.3	16.0	5.5	4.4	5.3	5.3	-0.009	0.000	0.000	0.000
06:30:00	20.3	16.1	23.2	16.3	5.4	4.3	5.1	5.3	-0.007	0.000	0.000	0.000
06:45:00	20.2	16.0	22.3	15.4	5.4	4.2	5.1	5.1	-0.007	0.001	0.000	0.000
07:00:00	24.9	19.3	19.5	15.8	5.5	4.4	5.1	5.1	-0.004	0.000	0.000	0.000
07:15:00	23.5	15.0	19.2	15.9	5.4	4.3	5.1	5.1	-0.003	0.000	0.000	0.000
07:30:00	18.3	15.2	20.2	15.2	5.4	4.2	5.0	4.7	-0.005	0.000	0.000	0.000
07:45:00	18.6	14.7	18.0	15.4	5.4	4.1	5.4	4.8	-0.005	0.000	0.000	0.000
08:00:00	16.5	12.7	15.6	13.7	5.1	4.3	5.2	4.9	-0.005	0.000	0.000	0.000
08:15:00	14.6	11.1	13.4	11.9	4.8	4.2	4.8	4.9	-0.007	0.000	0.000	0.000
08:30:00	12.4	10.5	11.5	11.0	4.5	3.9	4.5	4.4	-0.003	0.000	0.000	0.000
08:45:00	15.4	8.8	9.8	10.1	5.2	3.6	4.4	4.3	-0.001	0.000	0.000	0.000
09:00:00	12.0	8.9	10.7	9.9	4.7	3.6	4.5	4.4	-0.001	0.000	0.000	0.000
09:15:00	11.3	8.4	11.7	12.8	4.5	3.6	5.1	4.8	0.001	0.001	0.000	0.000
09:30:00	10.5	9.1	11.7	10.9	4.5	3.8	4.7	4.7	0.004	0.001	0.000	0.000
09:45:00	10.6	8.5	9.6	9.7	4.5	4.0	4.6	4.5	0.006	0.006	0.000	0.000
10:00:00	11.0	8.7	9.4	9.7	4.8	4.1	4.8	4.6	0.007	0.011	0.000	0.000
10:15:00	14.8	11.2	9.8	12.0	8.6	6.8	5.3	5.0	0.010	0.010	0.000	0.000
10:30:00	54.7	12.0	12.5	12.6	45.9	7.4	6.0	7.3	0.014	0.013	0.000	0.002
10:45:00	30.6	8.2	10.8	11.5	24.1	4.0	6.7	6.2	0.019	0.022	0.000	0.005
11:00:00	33.0	8.5	10.9	11.0	26.1	4.1	5.8	6.0	0.024	0.032	0.000	0.007
11:15:00	20.9	8.4	17.3	11.7	14.7	4.2	5.5	7.9	0.029	0.043	0.000	0.011
11:30:00	15.2	8.5	10.9	11.8	9.6	4.3	5.6	5.4	0.033	0.049	0.000	0.016
11:45:00	15.6	8.6	9.6	10.6	10.1	4.5	5.7	5.0	0.036	0.049	0.002	0.021



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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	18.8	8.7	11.2	10.5	12.5	4.4	5.6	6.3	0.040	0.045	0.003	0.024
12:15:00	21.3	9.2	10.7	10.8	14.6	4.7	5.7	5.8	0.037	0.047	0.003	0.023
12:30:00	18.1	9.0	10.6	12.0	12.2	4.7	6.4	5.8	0.040	0.050	0.004	0.022
12:45:00	12.2	8.6	11.0	12.6	7.2	4.6	6.3	5.8	0.047	0.053	0.007	0.025
13:00:00	16.1	8.5	10.6	10.7	10.6	4.7	6.1	5.8	0.058	0.051	0.008	0.030
13:15:00	20.0	8.4	10.1	13.3	14.1	4.6	6.9	5.8	0.065	0.051	0.008	0.032
13:30:00	13.4	8.5	13.8	11.3	8.5	4.6	6.1	6.3	0.062	0.051	0.008	0.033
13:45:00	14.4	8.2	14.2	14.8	9.4	4.5	6.5	6.1	0.066	0.051	0.009	0.028
14:00:00	13.4	8.2	9.7	10.1	8.9	4.5	6.0	5.7	0.069	0.046	0.006	0.028
14:15:00	11.7	8.2	9.5	10.0	7.1	4.6	5.9	5.5	0.067	0.042	0.005	0.028
14:30:00	11.6	7.9	11.9	9.9	7.2	4.6	5.9	5.6	0.073	0.042	0.000	0.025
14:45:00	13.4	7.9	9.2	9.7	8.5	4.6	6.0	5.3	0.074	0.037	0.000	0.022
15:00:00	15.4	7.6	10.3	9.9	10.6	4.4	5.9	5.6	0.078	0.037	0.000	0.023
15:15:00	20.8	7.7	9.2	9.4	16.3	4.5	5.9	5.6	0.076	0.035	0.000	0.022
15:30:00	10.5	7.3	9.4	9.2	6.7	4.4	5.7	5.5	0.073	0.034	0.000	0.022
15:45:00	10.7	7.6	11.0	9.9	6.9	4.6	5.9	5.5	0.067	0.027	0.000	0.019
16:00:00	9.0	7.6	9.4	9.7	5.4	4.5	5.9	5.4	0.060	0.023	0.000	0.018
16:15:00	9.1	7.8	10.0	14.1	5.4	4.5	6.6	5.6	0.046	0.017	0.000	0.017
16:30:00	9.3	8.0	9.1	9.3	5.4	4.6	5.8	5.4	0.039	0.018	0.000	0.012
16:45:00	9.0	7.8	8.9	9.2	5.5	4.7	5.9	5.4	0.034	0.015	0.000	0.014
17:00:00	9.3	8.0	9.1	9.3	5.4	4.6	5.9	5.5	0.037	0.014	0.000	0.011
17:15:00	9.4	8.2	9.3	8.8	5.5	4.7	5.7	5.5	0.032	0.009	0.000	0.010
17:30:00	9.5	8.4	9.4	9.7	5.4	4.6	5.9	5.4	0.034	0.013	0.000	0.008
17:45:00	9.8	8.6	9.6	9.6	5.3	4.6	5.6	5.3	0.030	0.007	0.000	0.006
18:00:00	10.1	8.8	10.2	9.9	5.2	4.6	5.6	5.1	0.021	0.001	0.000	0.003
18:15:00	10.3	9.1	10.8	10.2	5.7	4.8	6.1	5.4	0.016	0.000	0.000	0.002
18:30:00	11.4	9.8	13.0	10.0	6.1	5.3	6.4	6.1	0.015	0.000	0.000	0.002
18:45:00	15.6	13.7	17.6	14.5	7.6	6.6	8.1	7.9	0.005	0.000	0.000	0.006
19:00:00	14.6	12.0	17.1	16.0	7.2	6.1	7.6	7.1	-0.017	0.000	0.000	0.001
19:15:00	29.5	23.4	33.5	37.2	11.9	9.6	14.6	11.7	-0.025	0.000	0.000	0.000
19:30:00	17.5	19.1	31.5	22.2	8.5	8.0	9.6	9.8	-0.040	0.000	0.000	0.000
19:45:00	9.2	9.6	15.2	14.2	3.2	3.6	5.0	5.0	-0.051	0.000	0.000	0.000
20:00:00	10.0	11.3	15.7	12.5	2.8	3.1	3.4	4.2	-0.053	0.000	0.000	0.000
20:15:00	12.6	10.7	13.2	10.4	3.3	3.2	3.3	3.8	-0.055	0.000	0.000	0.000
20:30:00	16.0	9.5	13.5	9.5	3.9	3.0	3.4	4.1	-0.057	0.000	0.000	0.000
20:45:00	13.8	8.3	14.6	8.9	3.8	2.9	3.3	4.0	-0.057	0.000	0.000	0.000
21:00:00	13.1	9.0	13.2	9.8	3.7	3.0	3.5	3.8	-0.056	0.000	0.000	0.000
21:15:00	13.7	9.7	15.1	9.2	3.8	3.1	3.5	3.9	-0.054	0.000	0.000	0.000
21:30:00	14.3	13.6	20.4	10.7	4.0	3.3	3.7	4.3	-0.053	0.000	0.000	0.000
21:45:00	18.1	11.7	20.6	11.2	4.1	3.1	3.8	4.1	-0.050	0.000	0.000	0.000
22:00:00	13.5	13.6	19.0	13.5	3.9	3.3	3.9	4.1	-0.048	0.000	0.000	0.000
22:15:00	14.3	16.8	24.4	11.7	3.9	3.5	3.8	4.3	-0.046	0.000	0.000	0.000
22:30:00	23.8	16.3	38.6	16.2	4.3	3.5	4.1	4.9	-0.046	0.000	0.000	0.000
22:45:00	21.6	23.1	41.6	12.1	4.0	3.5	3.5	5.3	-0.043	0.000	0.000	0.000
23:00:00	32.7	18.3	36.9	15.7	4.6	3.4	3.8	5.0	-0.039	0.000	0.000	0.000
23:15:00	20.3	20.5	41.4	16.4	3.9	3.5	4.0	5.2	-0.037	0.000	0.000	0.000
23:30:00	30.4	24.7	53.3	19.9	4.7	3.7	4.2	5.8	-0.033	0.000	0.000	0.000
23:45:00	44.4	24.5	64.3	16.9	5.2	3.5	3.8	6.4	-0.033	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)
10:30:00					45.9							