



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-08-07

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0 Max : 205.3	2943 ESE	2995 NNE	2996 ESE	2997 N	Min : 72.50 Max : 99.14	Min : 59.50 Max : 95.70	Min : 29.98 Max : 30.21

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	20.8	45.8	6.1	12.4	0.013	0.095
2995	14.3	26.1	4.9	10.7	0.014	0.082
2996	21.0	137.7	7.0	38.9	0.010	0.060
2997	31.9	93.9	7.1	14.1	0.011	0.052

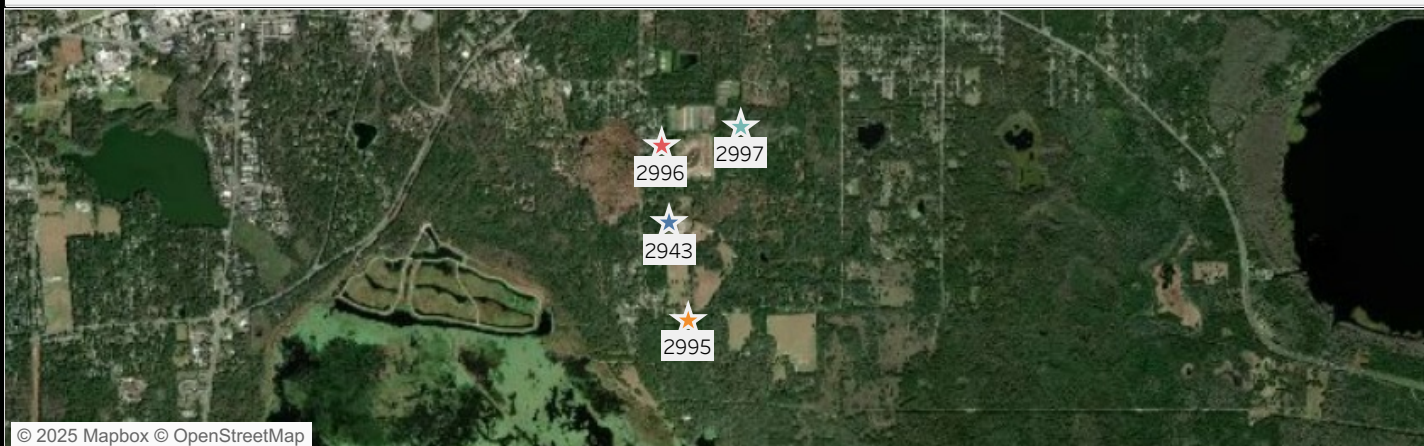
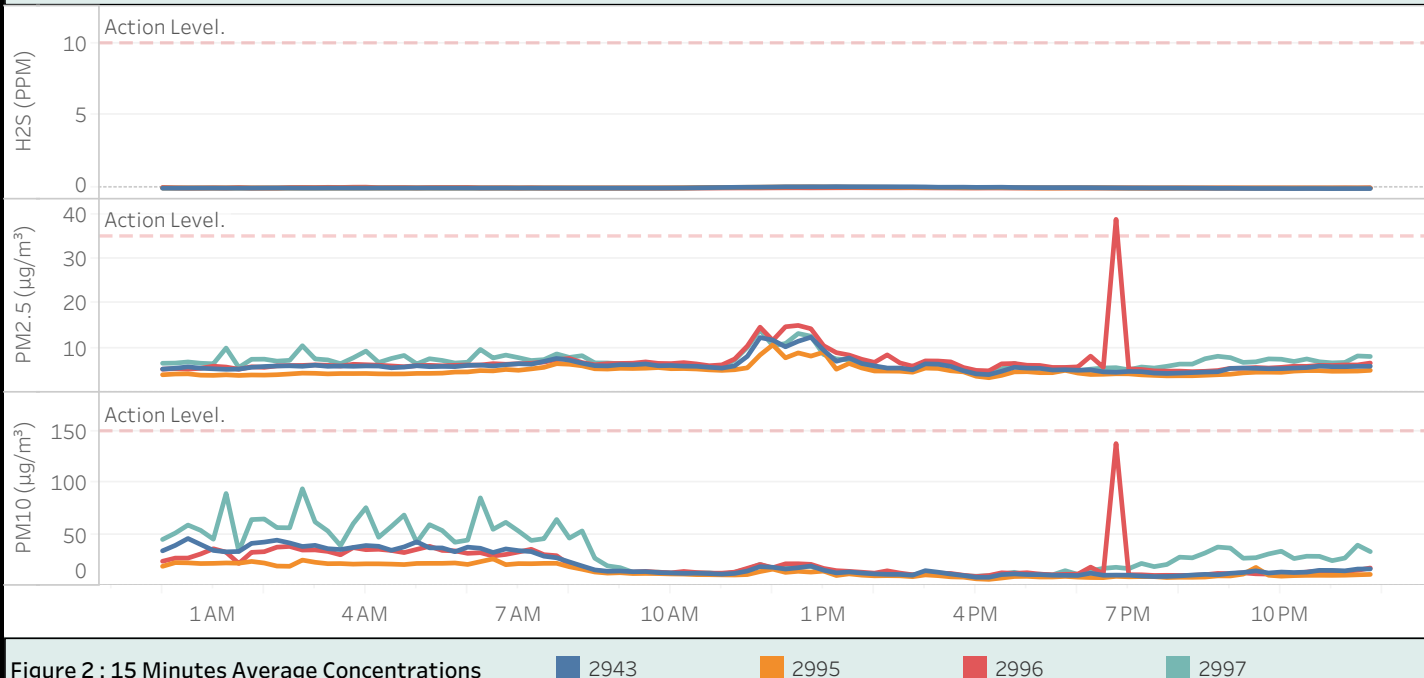


Figure 1 : Monitoring Locations





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Wind Rose Chart 2943

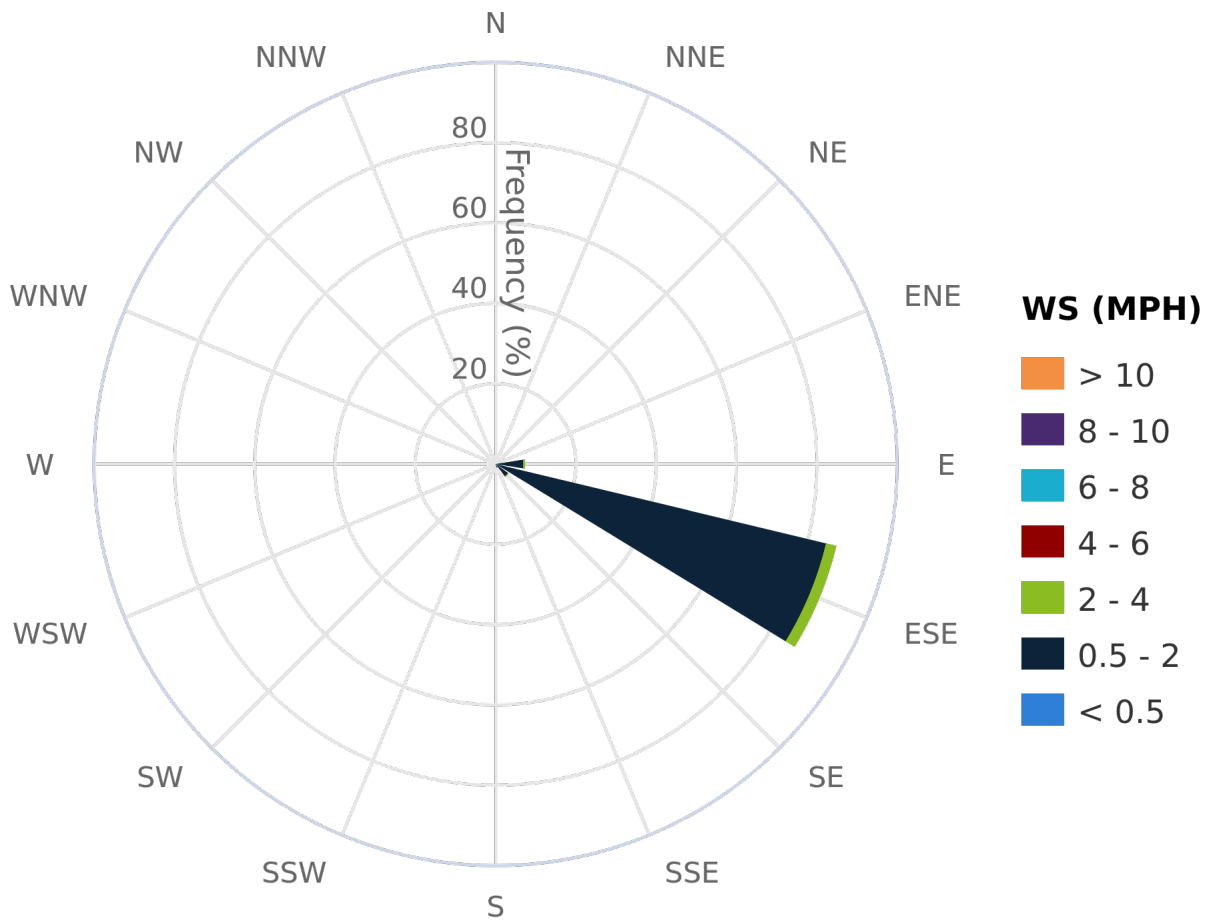


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

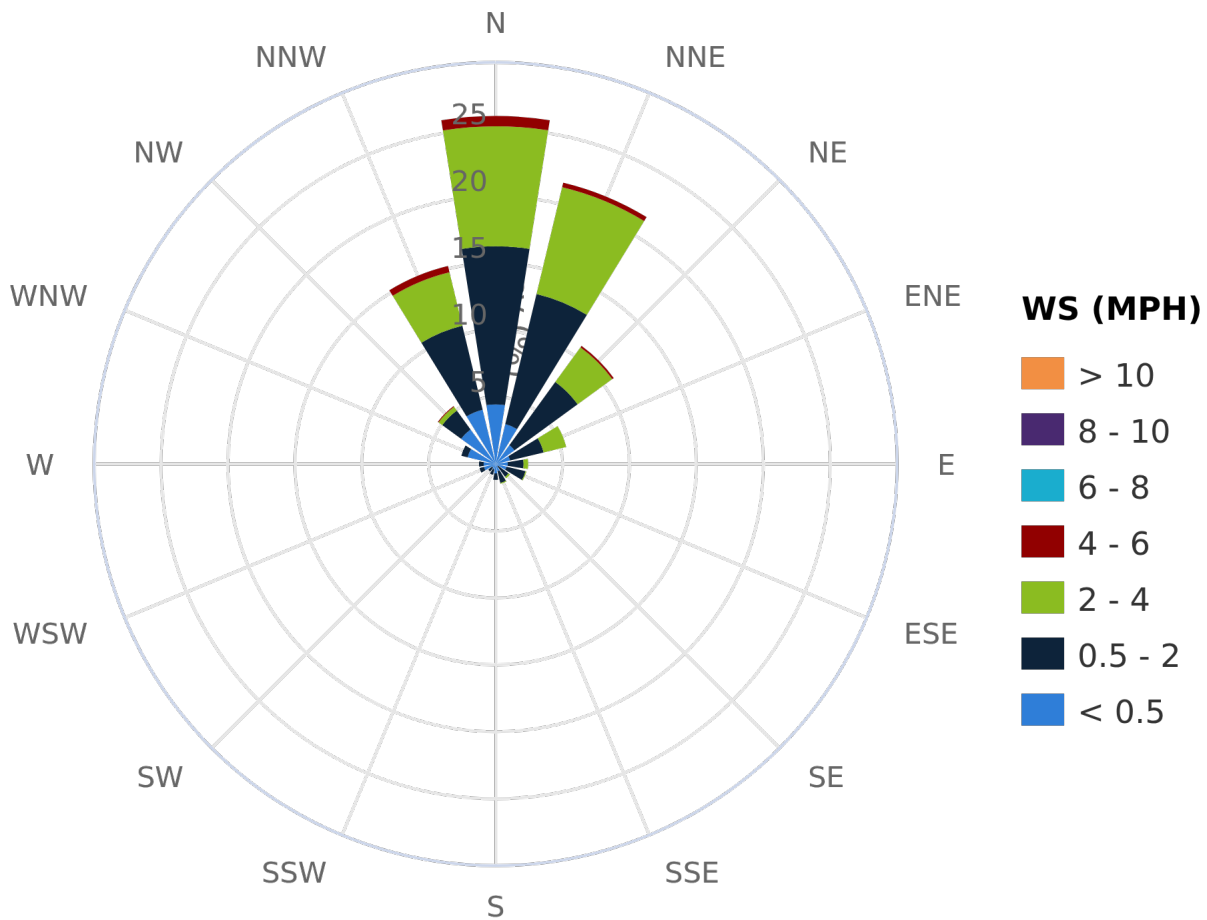


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

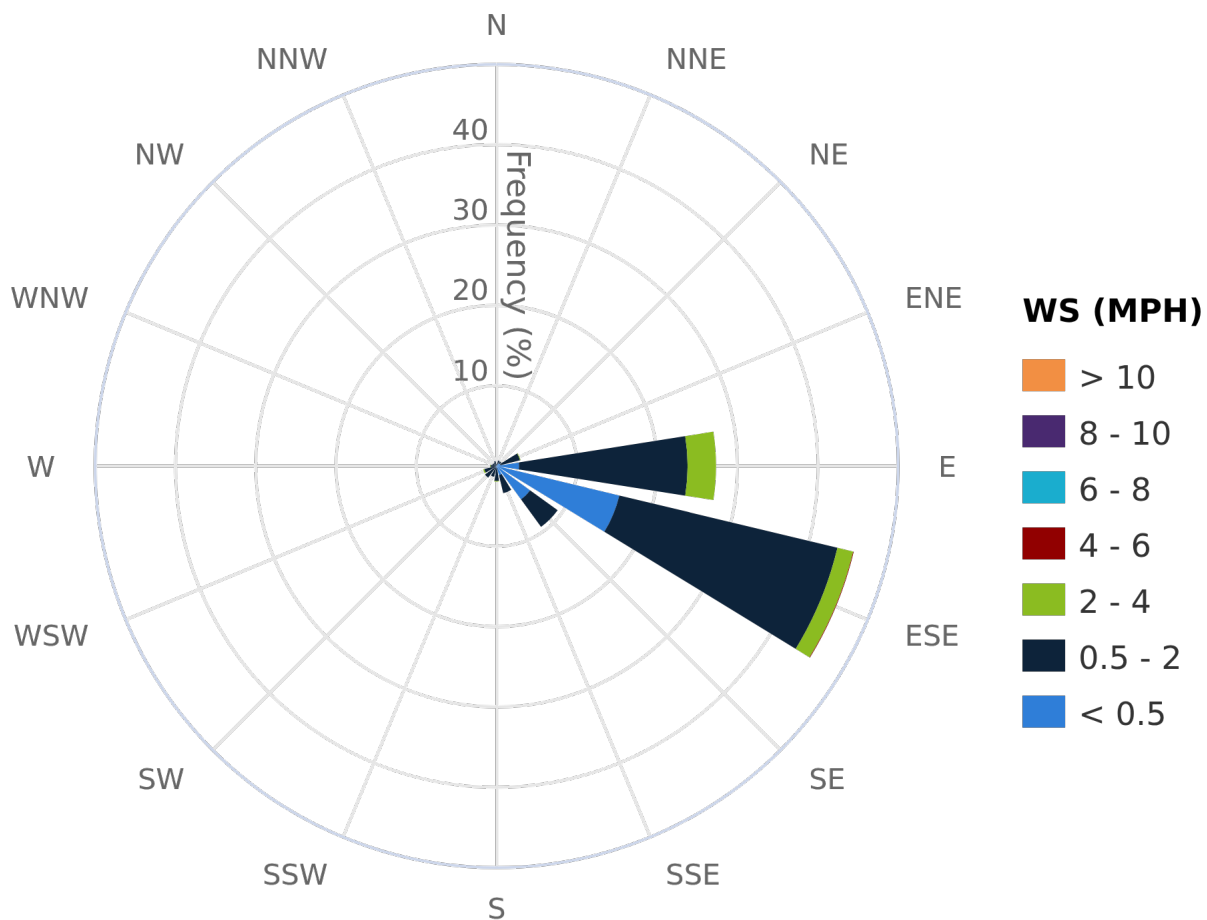


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

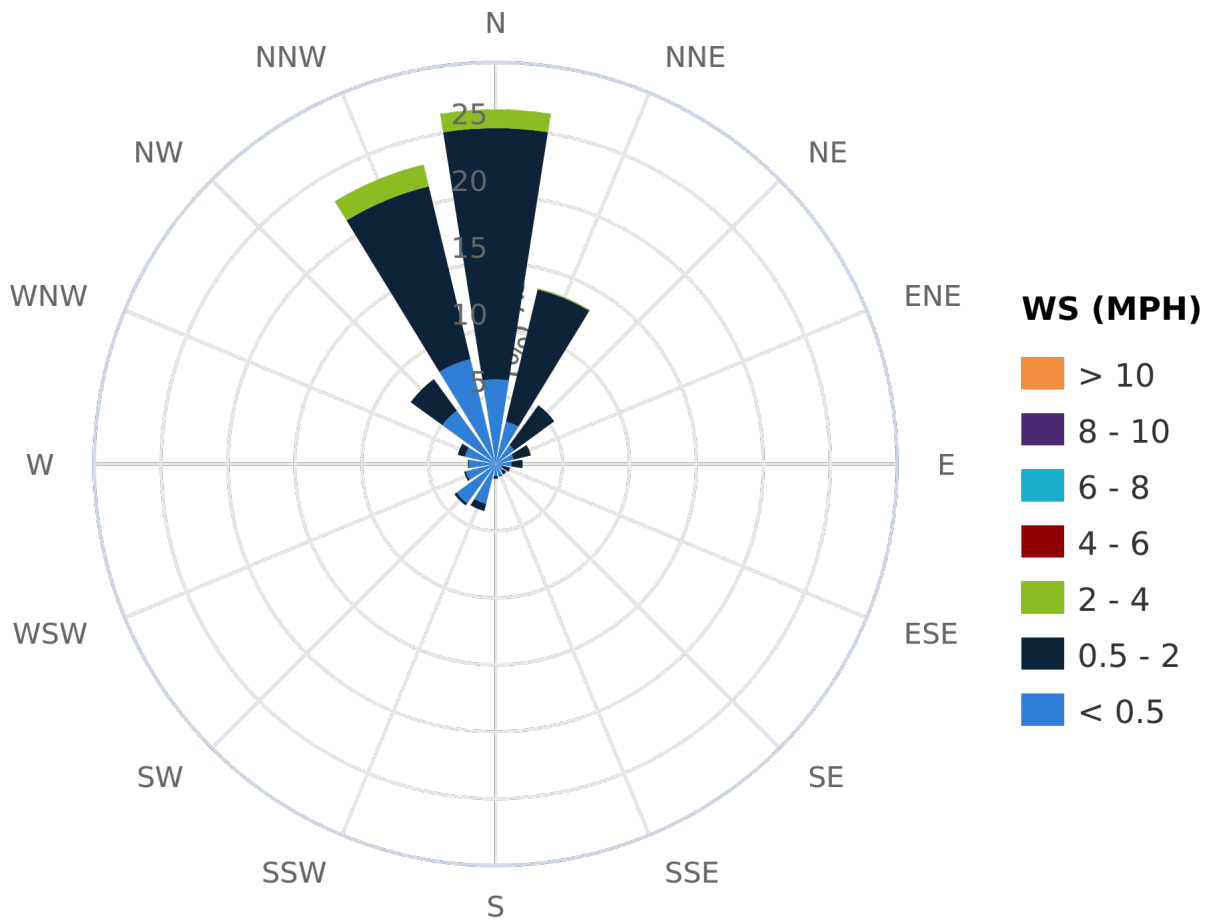


Figure 3 : Wind Rose Chart (WS in MPH)



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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	33.8	18.8	44.8	23.7	5.3	4.0	5.3	6.6	-0.011	0.000	0.040	0.002
00:15:00	39.1	22.4	51.0	26.8	5.5	4.2	5.4	6.6	-0.011	0.000	0.013	0.003
00:30:00	45.8	22.2	58.8	26.8	5.8	4.2	5.3	6.9	-0.009	0.000	0.001	0.003
00:45:00	40.0	21.5	53.7	30.8	5.5	3.9	5.5	6.6	-0.006	0.000	0.004	0.001
01:00:00	34.2	21.7	45.1	35.8	5.4	3.9	5.9	6.5	-0.006	0.000	0.012	0.002
01:15:00	32.8	22.1	89.4	32.5	5.2	4.0	5.7	10.0	-0.009	0.000	0.004	0.003
01:30:00	33.2	21.9	33.3	21.6	5.3	3.9	5.3	5.7	-0.009	0.000	0.033	0.001
01:45:00	41.1	23.6	64.1	32.4	5.7	4.0	5.8	7.5	-0.008	0.000	0.000	0.003
02:00:00	42.3	22.0	64.7	33.0	5.9	3.9	5.7	7.5	-0.003	0.000	0.000	0.003
02:15:00	44.1	19.1	56.3	37.4	6.0	4.0	6.0	7.1	0.000	0.000	0.000	0.003
02:30:00	41.5	18.9	56.1	38.1	6.0	4.2	6.1	7.3	-0.003	0.000	0.033	0.001
02:45:00	38.0	24.9	93.9	34.6	5.9	4.4	6.1	10.5	-0.006	0.000	0.039	0.000
03:00:00	39.1	22.7	61.8	34.7	6.2	4.3	6.2	7.6	-0.007	0.000	0.033	0.000
03:15:00	35.9	21.4	53.0	33.3	5.9	4.2	6.1	7.3	-0.004	0.000	0.049	0.001
03:30:00	35.1	21.5	38.9	30.0	6.0	4.3	6.0	6.5	-0.004	0.000	0.040	0.001
03:45:00	37.1	21.0	60.2	36.9	5.9	4.3	6.4	7.8	-0.006	0.000	0.057	0.000
04:00:00	39.0	21.3	75.6	34.9	6.0	4.3	6.3	9.3	-0.005	0.000	0.060	0.000
04:15:00	38.2	21.2	47.0	35.3	6.0	4.2	6.2	6.8	-0.002	0.000	0.023	0.002
04:30:00	34.3	21.0	57.5	34.2	5.6	4.2	6.0	7.7	-0.003	0.000	0.029	0.001
04:45:00	37.6	20.5	68.5	32.1	5.7	4.2	5.8	8.3	-0.003	0.000	0.033	0.001
05:00:00	42.5	21.6	42.1	35.2	6.0	4.3	6.1	6.4	-0.002	0.000	0.015	0.001
05:15:00	36.7	21.7	59.2	38.2	5.8	4.3	6.1	7.6	-0.002	0.000	0.030	0.001
05:30:00	36.6	21.7	53.5	34.2	5.9	4.4	6.0	7.2	-0.003	0.000	0.035	0.000
05:45:00	33.0	22.1	42.2	33.8	5.8	4.6	6.1	6.6	-0.003	0.000	0.035	0.001
06:00:00	37.4	20.6	44.2	31.4	6.1	4.6	6.2	6.8	-0.005	0.000	0.040	0.001
06:15:00	36.3	23.4	85.1	32.0	6.2	5.0	6.2	9.7	-0.005	0.000	0.010	0.001
06:30:00	32.2	26.1	54.7	28.9	6.0	4.9	6.5	7.8	-0.004	0.000	0.014	0.001
06:45:00	35.7	20.4	61.4	30.3	6.3	5.2	6.4	8.4	-0.004	0.000	0.015	0.000
07:00:00	34.0	21.5	53.0	32.7	6.5	5.0	6.5	7.9	-0.005	0.000	0.004	0.001
07:15:00	33.1	21.4	43.9	35.4	6.4	5.3	6.6	7.2	-0.005	0.000	0.016	0.000
07:30:00	28.7	21.7	45.6	30.1	7.0	5.7	6.9	7.4	-0.004	0.000	0.002	0.000
07:45:00	27.1	21.8	64.2	29.1	7.7	6.5	7.4	8.7	-0.005	0.000	0.004	0.000
08:00:00	23.1	18.4	46.2	20.4	7.3	6.4	7.7	7.9	-0.006	0.000	0.001	0.000
08:15:00	19.2	16.0	53.1	17.1	6.6	6.0	6.8	8.3	-0.006	0.000	0.000	0.000
08:30:00	15.4	13.3	26.7	14.9	6.1	5.4	6.2	6.7	-0.006	0.000	0.000	0.000
08:45:00	14.0	12.3	19.3	13.3	6.0	5.3	6.5	6.7	-0.007	0.000	0.000	0.000
09:00:00	14.3	12.7	17.5	13.6	6.3	5.5	6.6	6.5	-0.006	0.000	0.000	0.000
09:15:00	13.6	11.8	13.1	13.2	6.3	5.4	6.6	6.5	-0.007	0.000	0.000	0.000
09:30:00	13.8	12.0	13.1	13.9	6.4	5.5	6.9	6.6	-0.006	0.000	0.000	0.000
09:45:00	12.8	11.8	13.3	13.1	6.0	5.6	6.6	6.4	-0.005	0.002	0.000	0.000
10:00:00	12.4	11.5	12.2	12.5	6.1	5.4	6.5	6.2	-0.001	0.005	0.000	0.000
10:15:00	12.0	11.3	12.7	13.9	6.0	5.4	6.7	6.1	0.004	0.010	0.000	0.001
10:30:00	12.1	10.8	12.4	12.8	5.9	5.3	6.4	6.2	0.019	0.022	0.000	0.003
10:45:00	11.8	10.7	12.6	12.2	5.7	5.1	6.0	5.9	0.028	0.034	0.000	0.011
11:00:00	11.3	10.6	11.1	12.2	5.5	5.0	6.2	5.8	0.038	0.044	0.003	0.022
11:15:00	12.0	10.4	13.2	13.2	6.0	5.1	7.5	7.3	0.048	0.046	0.005	0.023
11:30:00	14.3	10.9	16.1	16.9	8.2	5.6	10.5	10.2	0.056	0.052	0.004	0.031
11:45:00	18.6	13.8	20.7	20.6	12.4	8.5	14.7	14.1	0.062	0.058	0.004	0.031



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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	17.9	16.1	16.7	17.5	11.8	10.7	11.7	10.6	0.071	0.067	0.011	0.035
12:15:00	16.2	13.0	17.1	21.3	10.3	7.8	14.8	11.0	0.087	0.074	0.013	0.036
12:30:00	17.5	14.0	19.1	21.3	11.5	8.9	15.1	13.3	0.085	0.080	0.015	0.039
12:45:00	19.1	13.2	18.7	20.7	12.4	8.2	14.3	12.7	0.089	0.082	0.011	0.038
13:00:00	15.1	14.2	14.4	16.8	9.5	9.1	10.5	8.6	0.088	0.076	0.014	0.044
13:15:00	12.5	9.9	13.6	14.6	7.0	5.3	9.0	7.6	0.095	0.074	0.018	0.050
13:30:00	13.4	11.6	12.7	14.0	7.8	6.6	8.4	7.4	0.089	0.067	0.020	0.051
13:45:00	12.3	10.3	12.0	13.1	6.5	5.5	7.5	6.3	0.088	0.064	0.020	0.048
14:00:00	11.5	9.6	11.1	12.2	6.0	4.9	6.8	5.7	0.086	0.059	0.015	0.052
14:15:00	11.1	9.8	11.5	14.5	5.5	4.8	8.5	5.5	0.086	0.055	0.014	0.048
14:30:00	11.0	9.7	11.0	12.3	5.5	4.8	6.7	5.4	0.084	0.048	0.013	0.046
14:45:00	10.3	8.8	10.7	10.6	5.1	4.6	5.9	5.2	0.083	0.043	0.017	0.048
15:00:00	14.6	10.5	11.7	12.5	6.5	5.5	7.1	6.2	0.075	0.041	0.009	0.041
15:15:00	13.1	9.8	11.4	12.3	6.4	5.4	7.1	6.4	0.056	0.028	0.006	0.038
15:30:00	11.3	8.7	10.7	11.9	5.9	4.9	6.9	6.1	0.056	0.029	0.004	0.033
15:45:00	9.9	8.3	9.6	10.2	4.9	4.7	5.6	5.0	0.059	0.022	0.000	0.034
16:00:00	8.3	6.7	9.3	9.0	4.2	3.7	5.0	4.6	0.046	0.020	0.000	0.033
16:15:00	8.3	6.2	9.8	9.9	4.0	3.3	4.9	4.4	0.050	0.024	0.002	0.030
16:30:00	10.8	7.5	11.2	12.6	4.8	3.9	6.5	5.3	0.056	0.024	0.001	0.024
16:45:00	11.5	9.0	13.0	12.0	5.7	4.7	6.5	6.6	0.037	0.017	0.000	0.022
17:00:00	10.9	9.1	10.6	12.6	5.5	4.7	6.1	5.5	0.031	0.010	0.000	0.020
17:15:00	10.8	8.5	11.2	11.3	5.5	4.5	6.1	5.6	0.027	0.003	0.000	0.017
17:30:00	10.2	8.5	10.5	10.6	5.1	4.5	5.7	5.2	0.026	0.001	0.000	0.014
17:45:00	10.1	9.1	14.6	11.1	5.1	5.0	5.7	5.6	0.027	0.007	0.000	0.015
18:00:00	10.0	8.4	11.0	11.3	5.0	4.4	5.8	4.9	0.027	0.008	0.002	0.009
18:15:00	12.2	8.0	14.6	18.1	5.1	4.1	8.2	5.3	0.022	0.011	0.000	0.012
18:30:00	10.2	7.9	16.9	11.8	4.7	4.1	5.7	5.5	0.015	0.011	0.003	0.008
18:45:00	10.3	9.1	17.9	137.7	4.6	4.2	38.9	5.6	0.010	0.005	0.001	0.005
19:00:00	10.3	8.7	16.6	10.7	4.8	4.2	5.3	5.1	0.001	0.000	0.008	0.001
19:15:00	9.4	8.9	21.6	10.6	4.7	4.0	5.2	5.8	0.002	0.000	0.001	0.000
19:30:00	8.9	8.8	18.5	10.0	4.4	3.9	4.9	5.5	-0.003	0.000	0.001	0.000
19:45:00	9.0	8.0	20.6	10.1	4.3	3.8	4.8	5.9	-0.003	0.000	0.001	0.000
20:00:00	9.6	8.3	27.7	10.0	4.4	3.8	4.8	6.4	-0.008	0.000	0.008	0.000
20:15:00	10.4	8.2	27.0	10.1	4.5	3.8	4.7	6.4	-0.010	0.000	0.001	0.000
20:30:00	11.0	8.5	31.7	10.7	4.6	3.9	4.8	7.6	-0.013	0.000	0.001	0.000
20:45:00	10.7	9.6	37.5	12.0	4.7	4.0	5.0	8.2	-0.022	0.000	0.003	0.000
21:00:00	12.1	9.5	36.5	11.7	5.4	4.1	5.5	7.9	-0.020	0.000	0.002	0.000
21:15:00	12.9	11.3	26.7	12.5	5.5	4.4	5.5	6.8	-0.026	0.000	0.000	0.000
21:30:00	14.5	17.8	27.2	11.6	5.5	4.6	5.6	6.9	-0.031	0.000	0.000	0.000
21:45:00	12.3	10.2	30.8	11.3	5.4	4.6	5.5	7.6	-0.031	0.000	0.000	0.000
22:00:00	13.3	9.3	33.5	11.4	5.4	4.6	5.7	7.5	-0.033	0.000	0.000	0.000
22:15:00	12.8	9.8	26.3	12.1	5.5	4.8	5.9	7.0	-0.037	0.000	0.000	0.000
22:30:00	13.2	10.1	28.6	13.3	5.6	4.9	5.9	7.6	-0.033	0.000	0.000	0.000
22:45:00	14.9	10.1	28.5	14.3	6.0	4.9	6.1	6.9	-0.035	0.000	0.000	0.000
23:00:00	14.9	10.1	24.3	14.4	5.8	4.8	6.1	6.7	-0.039	0.000	0.000	0.000
23:15:00	14.5	10.2	26.9	13.8	5.8	4.8	6.2	6.8	-0.037	0.000	0.006	0.000
23:30:00	16.2	10.6	39.3	15.1	5.9	4.8	6.2	8.2	-0.037	0.000	0.001	0.000
23:45:00	16.3	11.0	33.1	17.2	5.9	5.0	6.6	8.1	-0.037	0.000	0.014	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)
18:45:00								38.9				