



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-04

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1570 Max : 17.05	2943 ESE	2995 NNE	2996 ESE	2997 NNW	Min : 66.38 Max : 102.2	Min : 41.70 Max : 91.90	Min : 29.79 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	15.4	94.3	5.0	14.4	-0.073	0.074
2995	9.5	13.0	3.9	5.4	0.004	0.063
2996	16.4	278.6	5.5	55.1	0.006	0.057
2997	11.8	18.3	4.4	6.1	0.003	0.036

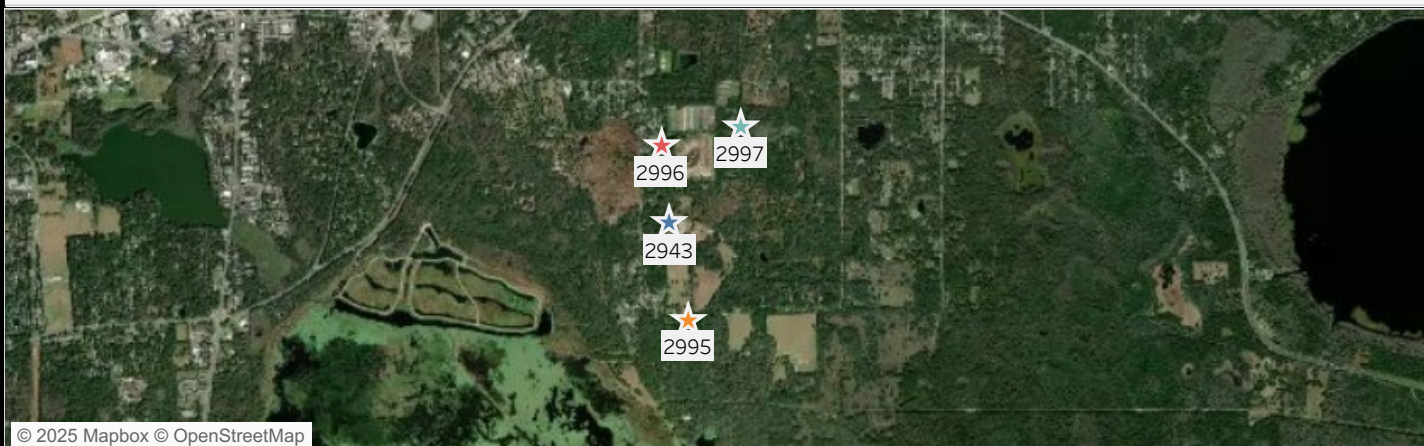


Figure 1 : Monitoring Locations

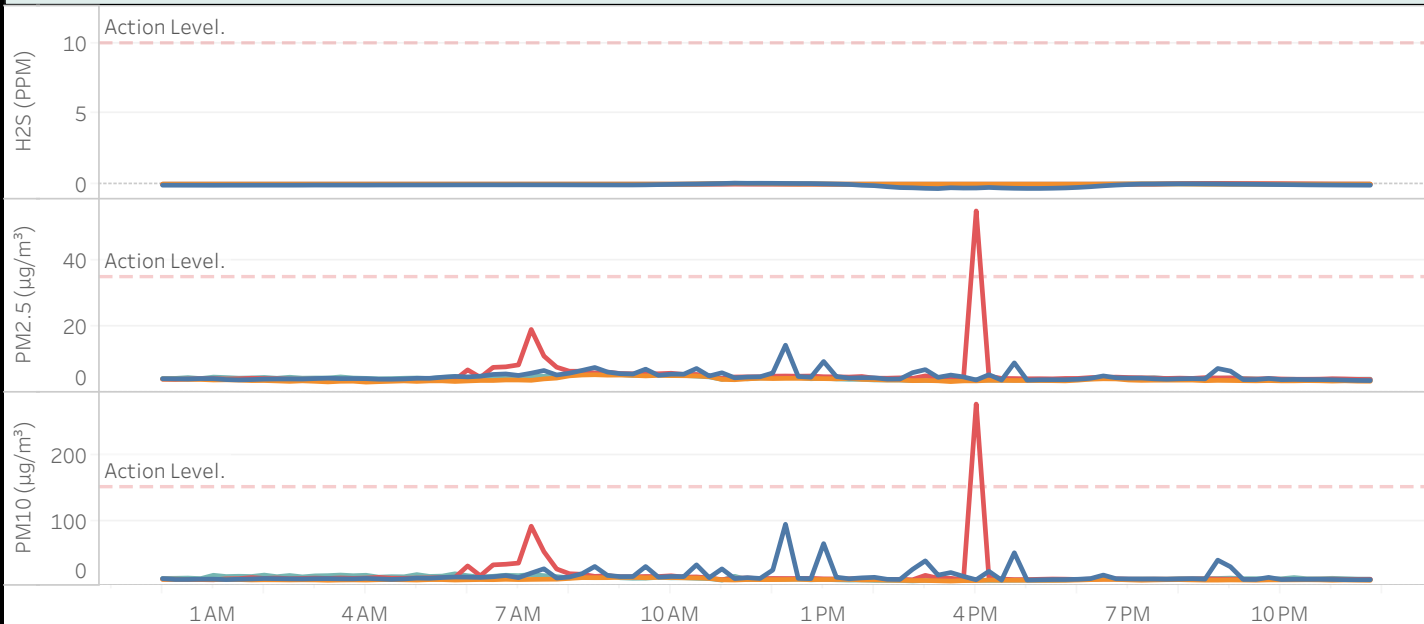


Figure 2 : 15 Minutes Average Concentrations

2943 2995 2996 2997



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Wind Rose Chart 2943

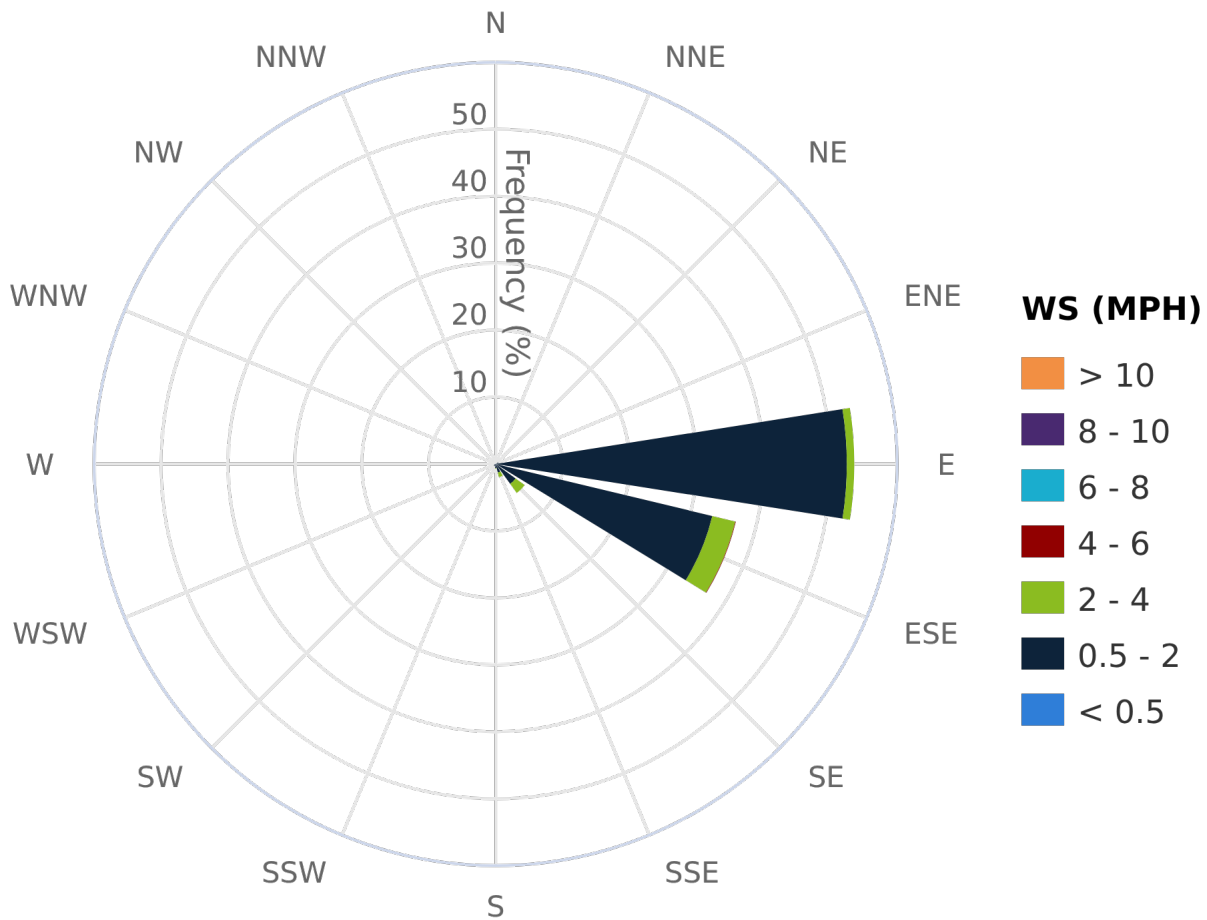


Figure 3 : Wind Rose Chart (WS in MPH)



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Florence C&D Landfill – Air Monitoring

Date : 2025-09-04

Wind Rose Chart 2995

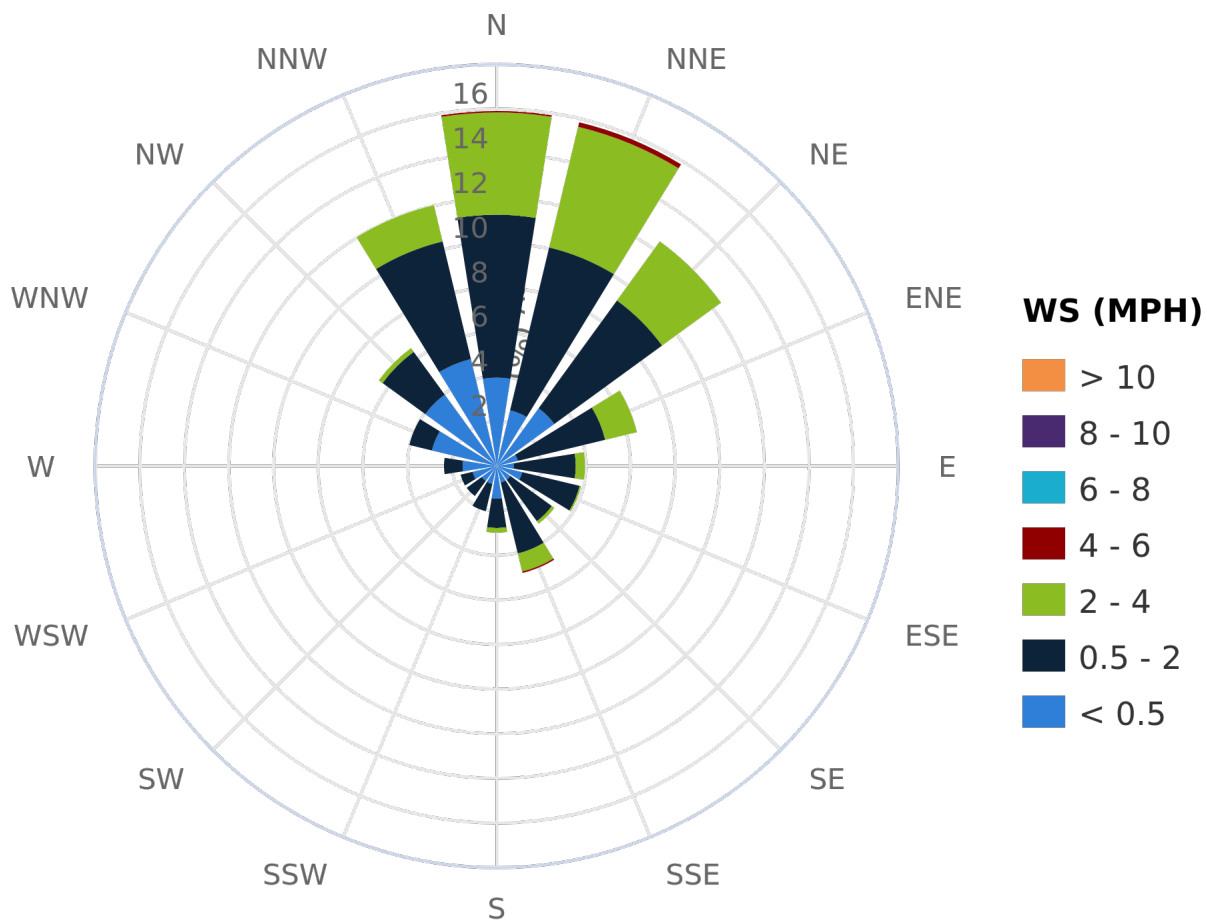


Figure 3 : Wind Rose Chart (WS in MPH)



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Date : 2025-09-04

Wind Rose Chart 2996

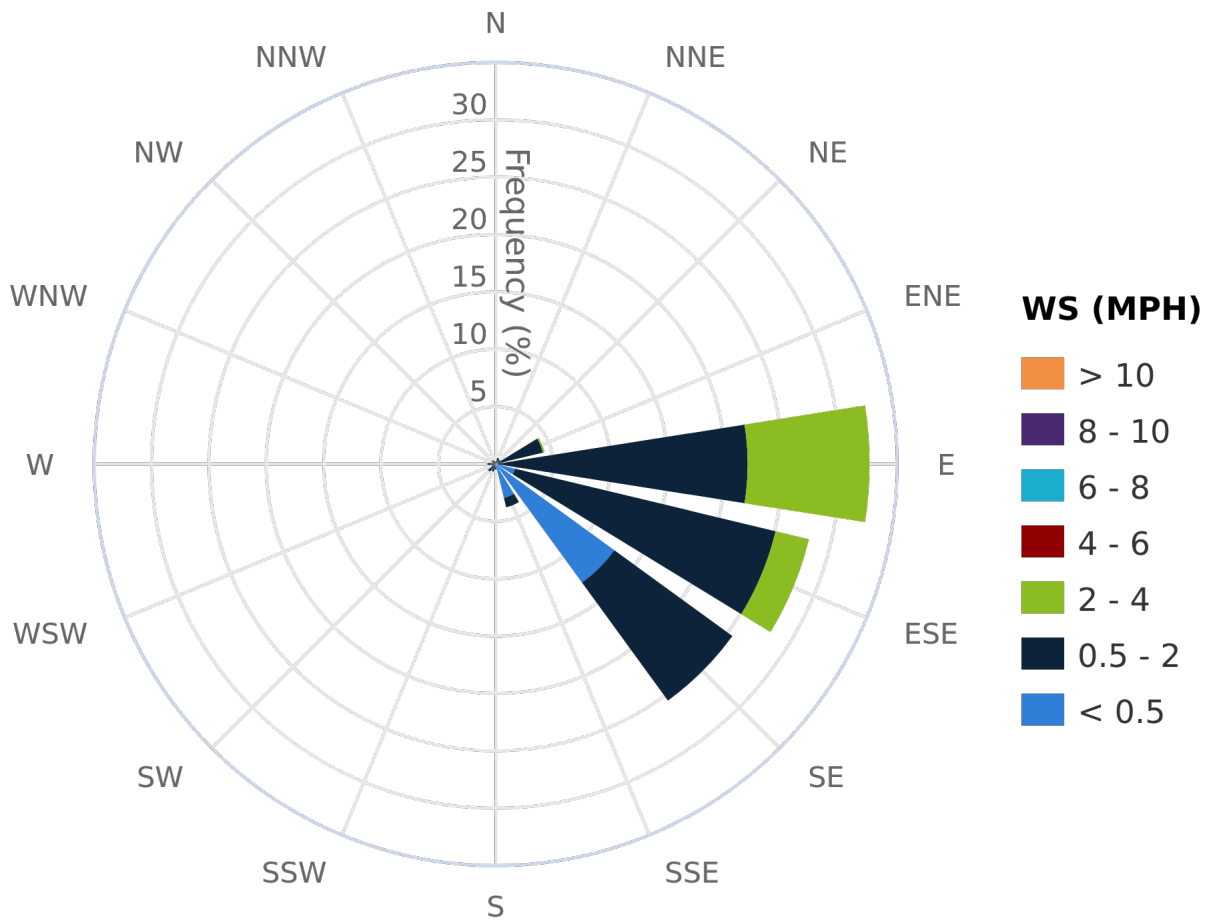


Figure 3 : Wind Rose Chart (WS in MPH)



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Date : 2025-09-04

Wind Rose Chart 2997

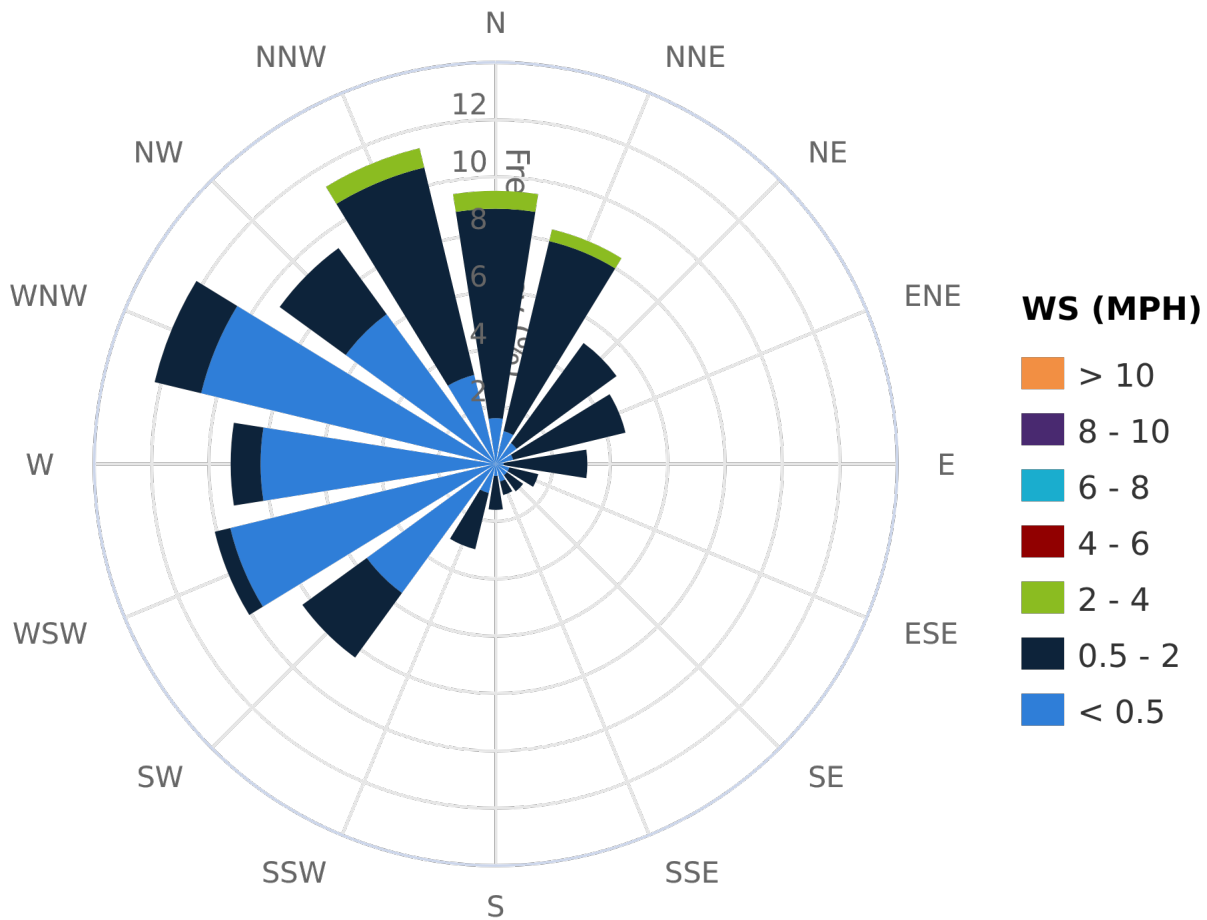


Figure 3 : Wind Rose Chart (WS in MPH)



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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	10.9	9.8	11.3	10.2	4.2	4.1	4.1	4.3	-0.071	0.000	0.000	0.000
00:15:00	9.7	9.6	11.5	10.1	4.2	4.1	4.0	4.3	-0.072	0.000	0.000	0.000
00:30:00	9.7	9.8	11.8	9.7	4.1	4.0	4.1	4.6	-0.073	0.000	0.000	0.000
00:45:00	10.1	9.9	10.9	9.4	4.3	4.0	4.2	4.3	-0.074	0.000	0.000	0.000
01:00:00	10.2	9.6	16.1	9.2	4.2	3.8	4.2	4.7	-0.076	0.000	0.000	0.000
01:15:00	9.5	9.7	14.2	10.7	4.0	3.9	4.1	4.6	-0.073	0.000	0.000	0.000
01:30:00	10.0	9.5	14.6	10.9	3.9	3.8	4.2	4.4	-0.073	0.000	0.000	0.000
01:45:00	10.4	9.0	14.2	12.5	4.0	3.7	4.4	4.5	-0.071	0.000	0.000	0.000
02:00:00	11.1	9.2	16.4	11.2	4.1	3.7	4.3	4.6	-0.071	0.000	0.000	0.000
02:15:00	10.9	9.1	13.9	11.9	4.1	3.6	4.2	4.4	-0.071	0.000	0.000	0.000
02:30:00	10.6	8.9	15.8	10.8	4.1	3.4	4.1	4.7	-0.071	0.000	0.000	0.000
02:45:00	10.5	9.1	13.6	11.2	4.1	3.6	4.1	4.4	-0.068	0.000	0.000	0.000
03:00:00	10.8	9.0	15.2	11.7	4.3	3.4	4.1	4.4	-0.063	0.000	0.000	0.000
03:15:00	11.0	8.5	15.5	11.2	4.4	3.3	4.0	4.4	-0.064	0.000	0.000	0.000
03:30:00	10.7	8.9	16.4	11.9	4.2	3.4	4.1	4.8	-0.063	0.000	0.000	0.000
03:45:00	10.6	9.0	15.4	11.3	4.3	3.5	3.8	4.4	-0.063	0.000	0.000	0.000
04:00:00	11.3	8.8	16.1	11.8	4.2	3.2	3.9	4.3	-0.063	0.000	0.000	0.000
04:15:00	10.6	9.3	13.2	12.9	4.1	3.3	4.0	4.2	-0.060	0.000	0.000	0.000
04:30:00	9.8	9.5	14.0	11.6	4.1	3.4	3.8	4.2	-0.059	0.000	0.000	0.000
04:45:00	10.5	9.2	13.8	11.5	4.2	3.6	3.9	4.4	-0.057	0.000	0.000	0.000
05:00:00	11.7	8.8	17.1	11.8	4.4	3.4	3.9	4.4	-0.056	0.000	0.000	0.000
05:15:00	11.5	9.5	14.3	12.1	4.4	3.6	4.0	4.3	-0.055	0.000	0.000	0.000
05:30:00	12.6	9.5	14.8	12.4	4.7	3.6	3.8	4.6	-0.053	0.000	0.000	0.000
05:45:00	13.4	8.8	18.3	12.8	4.9	3.4	3.9	4.8	-0.051	0.000	0.000	0.000
06:00:00	13.2	9.2	15.4	30.4	4.8	3.5	6.9	4.5	-0.049	0.000	0.000	0.000
06:15:00	12.9	9.5	13.2	15.3	5.0	3.7	4.6	4.5	-0.048	0.000	0.000	0.000
06:30:00	13.8	9.3	14.5	32.1	5.5	3.7	7.7	4.6	-0.047	0.000	0.000	0.000
06:45:00	15.7	9.9	16.1	33.0	5.7	3.8	7.8	4.9	-0.049	0.000	0.000	0.000
07:00:00	12.4	9.5	15.6	34.8	5.2	3.8	8.4	5.1	-0.046	0.000	0.000	0.000
07:15:00	19.4	9.8	17.1	91.3	5.9	3.7	19.1	5.1	-0.047	0.000	0.000	0.000
07:30:00	26.0	10.0	15.5	52.3	6.7	4.2	11.1	5.0	-0.048	0.000	0.000	0.000
07:45:00	11.9	10.1	14.1	25.7	5.3	4.4	7.7	5.0	-0.048	0.000	0.000	0.000
08:00:00	13.5	11.3	12.1	18.5	5.9	5.1	6.5	5.4	-0.050	0.000	0.000	0.000
08:15:00	18.5	12.5	13.8	17.6	6.7	5.3	6.5	5.5	-0.052	0.000	0.000	0.000
08:30:00	29.6	12.4	13.7	14.4	7.6	5.4	5.9	6.0	-0.053	0.000	0.000	0.000
08:45:00	15.8	12.4	15.9	15.3	6.2	5.3	6.2	6.1	-0.055	0.000	0.000	0.000
09:00:00	14.1	13.0	12.3	13.8	5.7	5.3	5.8	5.5	-0.056	0.000	0.000	0.000
09:15:00	14.1	12.9	11.5	13.8	5.6	5.2	5.7	5.2	-0.056	0.000	0.000	0.000
09:30:00	29.5	12.3	11.7	14.2	7.1	5.1	5.7	5.3	-0.048	0.000	0.000	0.000
09:45:00	13.2	13.0	13.0	14.2	5.2	5.2	5.7	5.4	-0.031	0.000	0.000	0.000
10:00:00	14.3	12.7	12.1	15.3	5.6	5.2	5.9	5.2	-0.013	0.000	0.000	0.000
10:15:00	14.0	12.2	12.3	13.3	5.6	5.1	5.5	5.2	0.004	0.002	0.000	0.000
10:30:00	32.1	12.0	11.5	13.6	7.3	5.1	5.5	5.0	0.013	0.016	0.000	0.000
10:45:00	12.4	11.3	11.0	11.9	5.0	4.8	5.1	4.8	0.034	0.030	0.000	0.000
11:00:00	25.9	9.1	8.6	9.4	6.0	4.0	4.3	4.0	0.049	0.048	0.000	0.010
11:15:00	11.0	8.8	14.5	11.5	4.5	3.9	4.7	4.6	0.074	0.063	0.002	0.036
11:30:00	12.5	9.5	9.4	11.8	4.7	4.2	4.8	4.2	0.063	0.048	0.000	0.030
11:45:00	11.2	9.4	10.1	10.9	4.8	4.3	4.8	4.4	0.065	0.039	0.000	0.023



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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	24.1	9.4	10.1	11.2	6.0	4.3	5.0	4.6	0.062	0.030	0.000	0.027
12:15:00	94.3	9.5	10.1	11.1	14.4	4.3	5.0	4.6	0.053	0.019	0.000	0.023
12:30:00	11.3	9.9	10.1	11.1	4.9	4.3	5.0	4.6	0.047	0.011	0.000	0.017
12:45:00	10.9	9.5	9.1	11.4	4.7	4.3	5.0	4.2	0.043	0.013	0.000	0.018
13:00:00	64.6	9.5	9.8	10.6	9.4	4.2	4.8	4.4	0.026	0.011	0.000	0.007
13:15:00	13.1	9.6	9.2	10.5	4.9	4.2	4.8	4.1	0.006	0.005	0.000	0.000
13:30:00	10.8	10.1	8.7	10.6	4.4	4.3	4.7	4.0	-0.018	0.000	0.000	0.000
13:45:00	12.1	8.9	8.9	11.2	4.5	4.0	4.9	4.0	-0.074	0.000	0.000	0.000
14:00:00	12.9	9.1	8.2	9.5	4.5	4.0	4.4	3.8	-0.105	0.000	0.000	0.000
14:15:00	9.9	8.7	8.2	9.4	4.1	3.8	4.4	3.8	-0.177	0.000	0.000	0.000
14:30:00	9.7	8.4	8.1	9.9	4.1	3.8	4.5	3.8	-0.240	0.000	0.000	0.000
14:45:00	25.2	8.0	7.4	9.2	6.1	3.6	4.3	3.7	-0.257	0.000	0.000	0.000
15:00:00	38.2	8.1	8.2	16.0	7.0	3.7	5.1	3.7	-0.294	0.000	0.000	0.000
15:15:00	16.3	7.7	8.1	11.5	4.6	3.6	4.6	3.7	-0.313	0.000	0.000	0.000
15:30:00	20.3	7.2	8.5	11.5	5.3	3.3	4.8	3.9	-0.252	0.000	0.000	0.000
15:45:00	14.4	7.9	8.1	9.2	4.8	3.6	4.2	3.6	-0.275	0.000	0.000	0.000
16:00:00	9.2	8.0	8.7	278.6	3.8	3.6	55.1	3.9	-0.271	0.000	0.000	0.000
16:15:00	22.1	8.7	8.2	12.3	5.4	3.7	5.0	3.8	-0.232	0.000	0.000	0.000
16:30:00	8.6	8.5	8.3	10.3	3.8	3.7	4.3	3.8	-0.269	0.000	0.000	0.000
16:45:00	50.6	8.5	8.5	9.5	9.0	3.7	4.3	3.8	-0.291	0.000	0.000	0.000
17:00:00	8.7	8.5	8.6	9.5	3.8	3.7	4.2	3.9	-0.302	0.000	0.000	0.000
17:15:00	9.1	8.4	8.5	9.9	3.9	3.7	4.2	3.8	-0.302	0.000	0.000	0.000
17:30:00	9.5	8.4	8.3	10.4	3.9	3.6	4.2	3.8	-0.287	0.000	0.000	0.000
17:45:00	9.6	8.5	8.8	10.1	3.9	3.6	4.3	3.8	-0.266	0.000	0.000	0.000
18:00:00	10.0	8.8	9.7	9.7	4.1	3.8	4.3	4.1	-0.228	0.000	0.000	0.000
18:15:00	11.0	9.4	9.9	10.1	4.4	4.1	4.6	4.2	-0.177	0.000	0.000	0.000
18:30:00	16.4	9.7	11.0	10.3	5.1	4.2	4.6	4.4	-0.114	0.005	0.000	0.004
18:45:00	10.8	9.7	10.1	10.6	4.5	4.2	4.7	4.4	-0.064	0.008	0.000	0.011
19:00:00	10.5	9.1	10.0	10.1	4.4	3.8	4.6	4.3	-0.024	0.013	0.000	0.016
19:15:00	10.3	8.5	10.4	10.1	4.4	3.7	4.5	4.4	0.008	0.015	0.000	0.019
19:30:00	10.3	8.9	10.4	10.2	4.2	3.8	4.4	4.5	0.015	0.015	0.002	0.014
19:45:00	10.0	9.3	10.4	10.1	4.1	3.8	4.3	4.3	0.025	0.016	0.023	0.012
20:00:00	10.4	9.4	11.0	10.2	4.2	3.8	4.4	4.2	0.029	0.015	0.042	0.015
20:15:00	10.9	9.0	10.8	10.4	4.3	3.8	4.3	4.3	0.028	0.009	0.052	0.015
20:30:00	10.2	8.6	11.2	10.6	4.2	3.6	4.5	4.3	0.023	0.002	0.055	0.011
20:45:00	39.3	8.7	11.2	10.3	7.3	3.7	4.4	4.4	0.017	0.000	0.057	0.008
21:00:00	29.2	8.9	11.8	10.1	6.5	3.7	4.5	4.4	0.005	0.000	0.054	0.004
21:15:00	9.7	8.8	10.9	9.8	4.0	3.6	4.2	4.3	0.000	0.000	0.048	0.001
21:30:00	9.7	8.5	10.9	9.7	4.0	3.6	4.1	4.2	-0.009	0.000	0.046	0.000
21:45:00	12.9	9.0	10.2	10.0	4.3	3.7	4.3	3.9	-0.020	0.000	0.042	0.000
22:00:00	9.6	9.0	10.7	9.9	3.9	3.6	4.1	4.0	-0.030	0.000	0.038	0.000
22:15:00	9.9	9.0	12.6	9.8	4.0	3.6	4.1	4.1	-0.038	0.000	0.031	0.000
22:30:00	9.9	9.2	10.8	10.0	4.0	3.6	4.1	3.9	-0.048	0.000	0.024	0.000
22:45:00	9.9	9.0	10.8	10.1	4.0	3.6	4.1	3.9	-0.055	0.000	0.018	0.000
23:00:00	9.7	8.5	11.5	10.1	3.9	3.5	4.2	4.1	-0.060	0.000	0.011	0.000
23:15:00	9.4	8.8	10.9	9.9	3.8	3.6	4.2	4.0	-0.066	0.000	0.009	0.000
23:30:00	9.2	8.6	10.3	9.8	3.7	3.5	4.0	4.1	-0.069	0.000	0.007	0.000
23:45:00	9.3	8.4	10.1	10.0	3.7	3.5	4.0	4.1	-0.072	0.000	0.005	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)
16:00:00			278.6				55.1					