



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-10-05

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1120 Max : 8.098	2943 ESE	2693 NNE	2996 ESE	2997 NNE	Min : 69.98 Max : 85.46	Min : 72.70 Max : 97.60	Min : 29.96 Max : 30.14

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)
2693	17.3	27.4	8.8	11.3	0.000	0.001
2943	26.0	52.6	9.3	13.1	-0.008	0.046
2996	22.5	38.9	9.4	13.0	0.001	0.017
2997	34.0	86.9	8.6	12.1	0.001	0.025



Figure 1 : Monitoring Locations

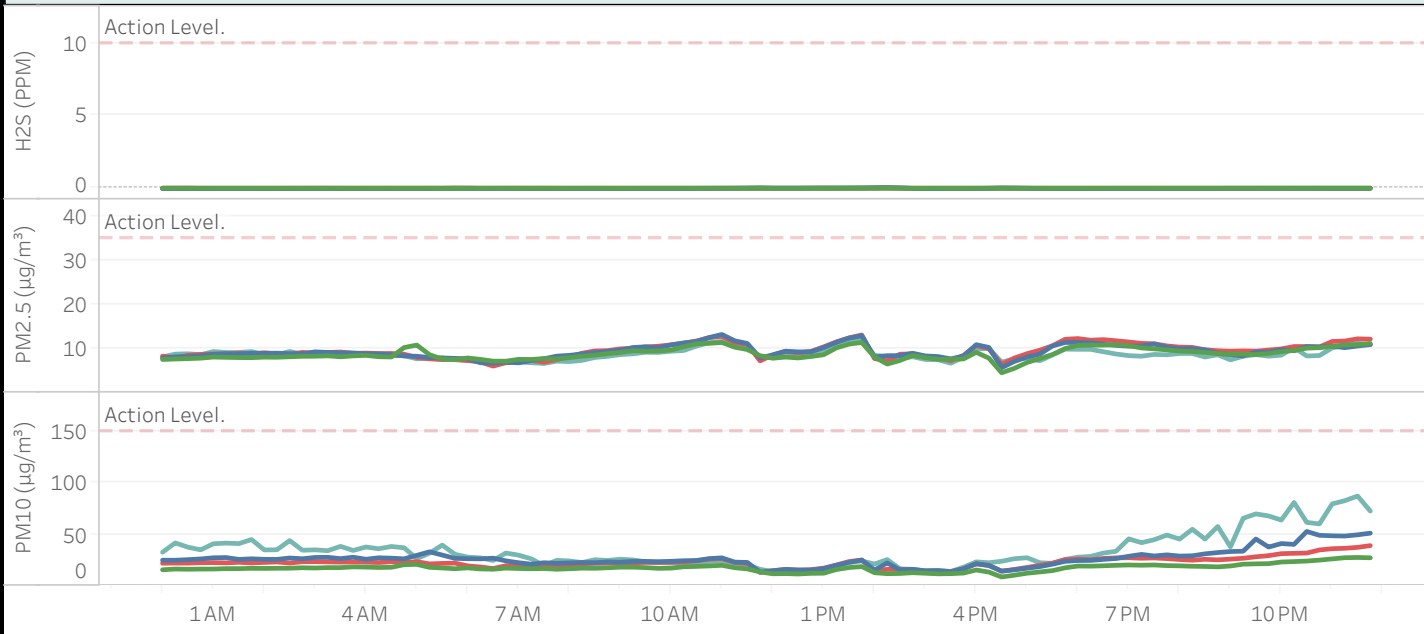


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

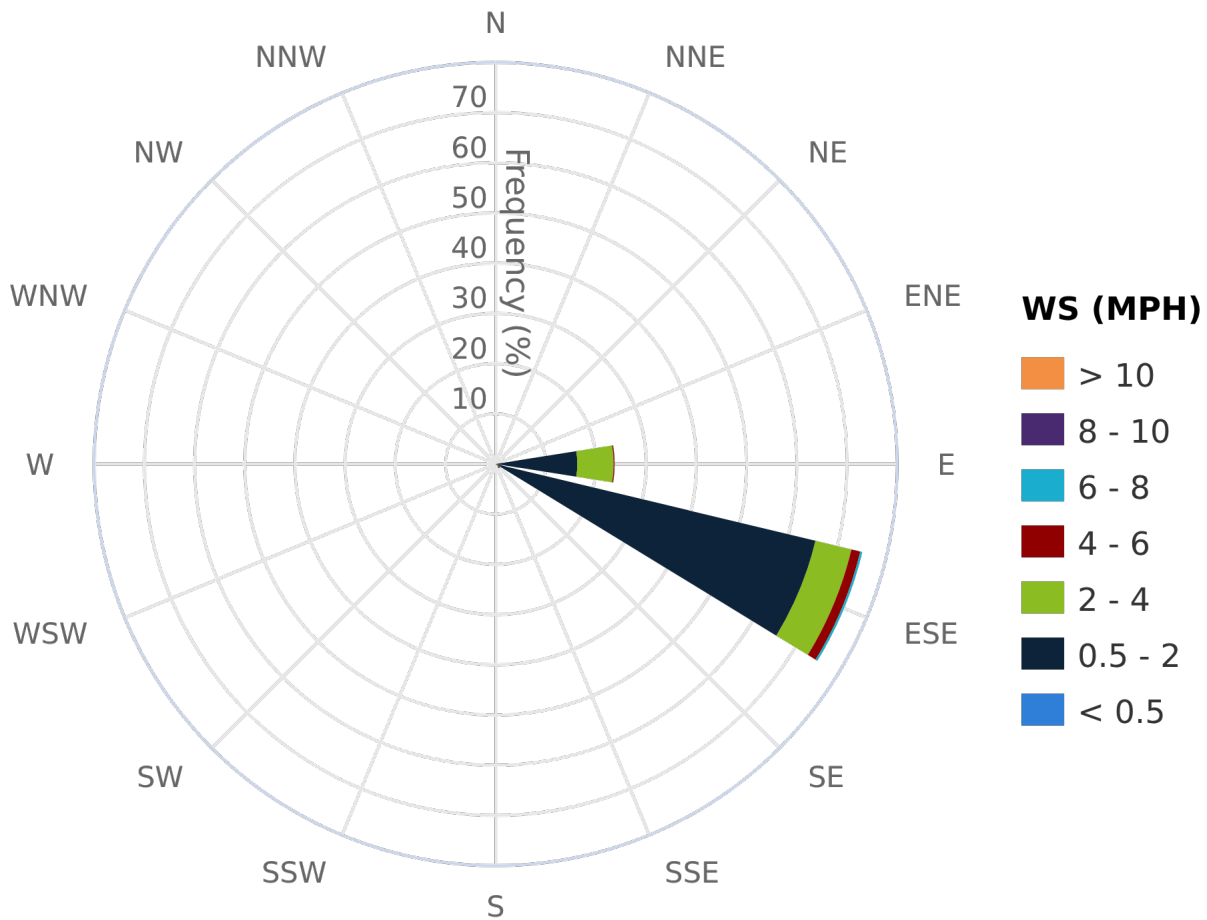


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

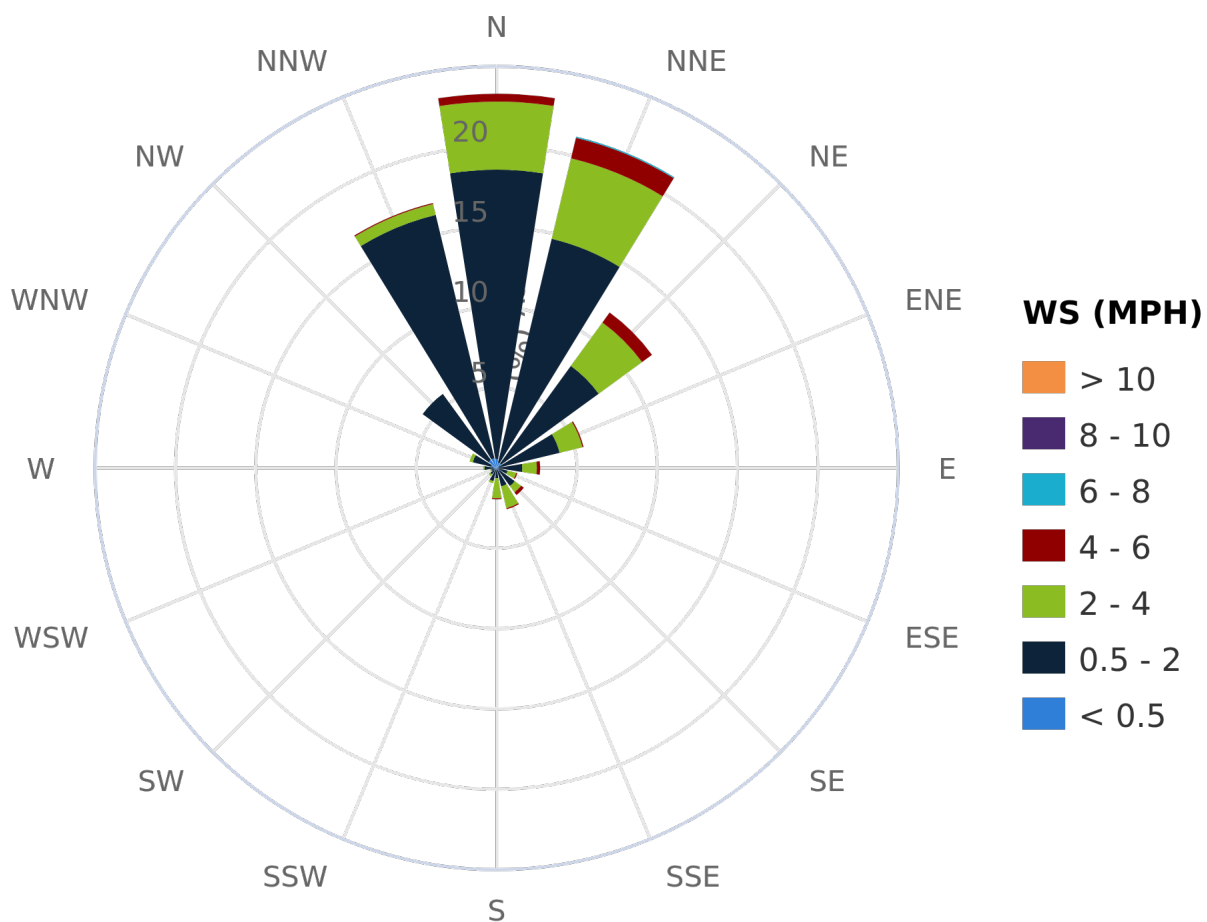


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

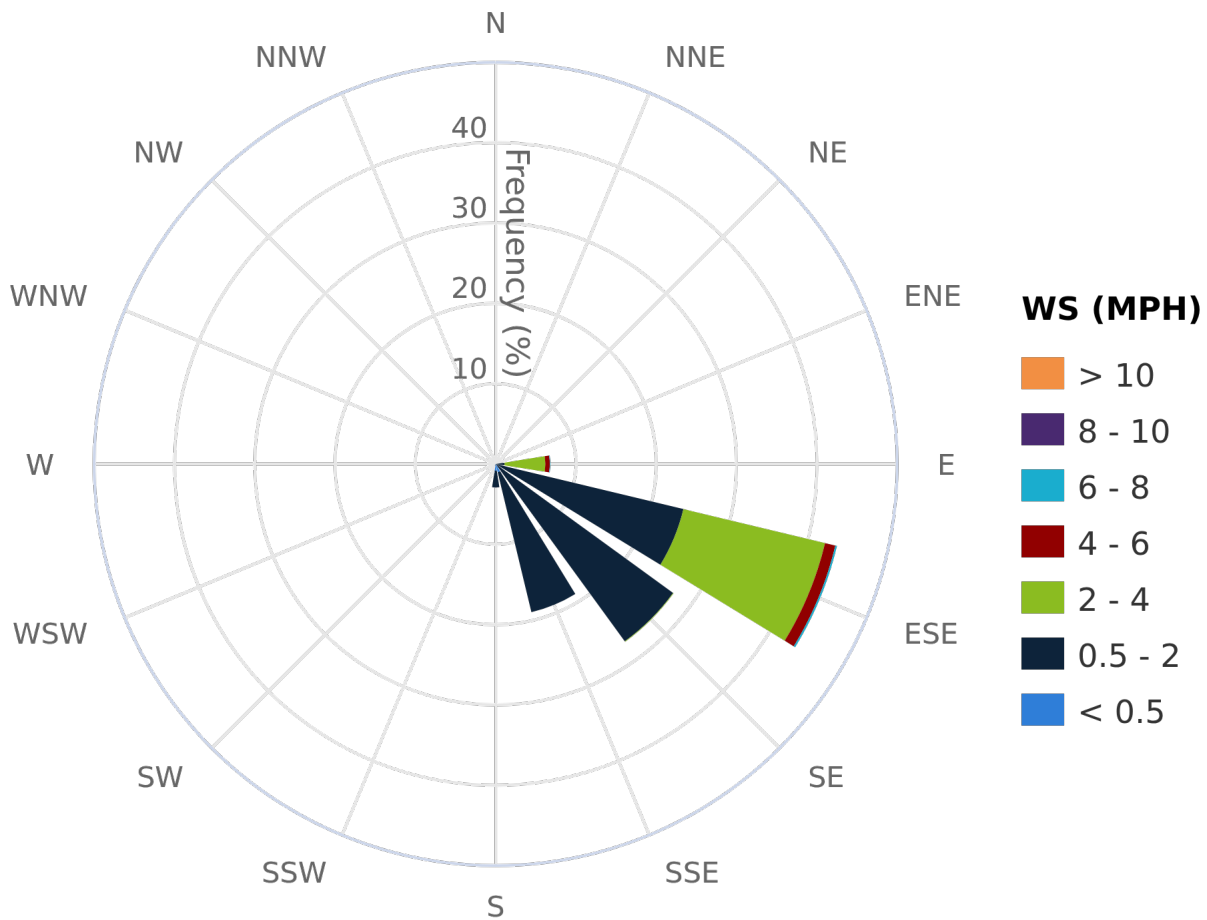


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

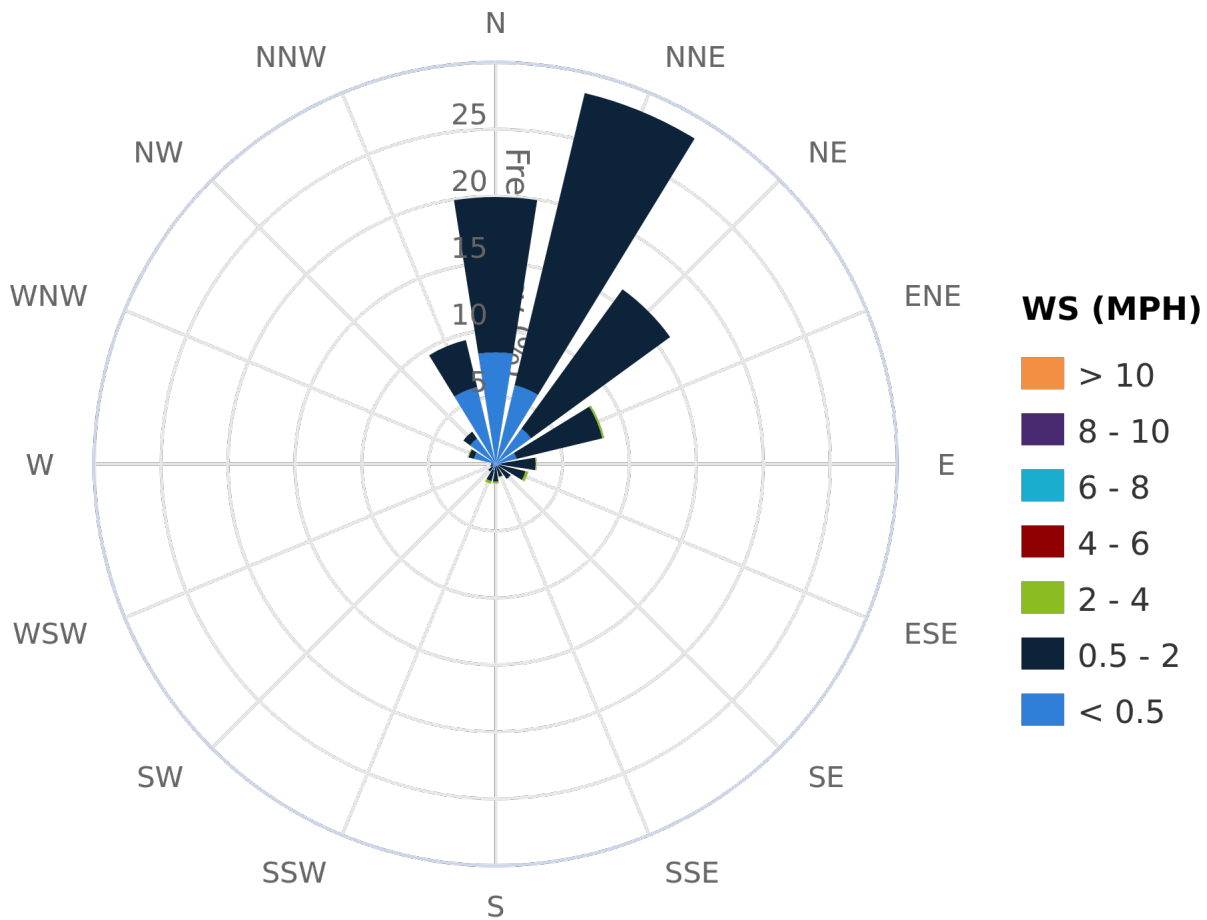


Figure 3 : Wind Rose Chart (WS in MPH)



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 2693 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2693 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2693 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00	24.7	15.5	32.5	21.8	7.8	7.5	8.3	8.1	-0.023	0.000	0.004	0.000
00:15:00	24.8	16.2	41.5	21.9	8.1	7.6	7.8	8.7	-0.024	0.000	0.009	0.000
00:30:00	25.3	16.0	37.3	21.9	8.1	7.7	8.4	8.8	-0.023	0.000	0.010	0.000
00:45:00	26.0	16.2	34.8	22.3	8.4	7.8	8.6	8.6	-0.021	0.000	0.000	0.000
01:00:00	27.1	16.2	40.7	22.4	8.7	8.0	8.7	9.3	-0.024	0.000	0.000	0.000
01:15:00	27.3	16.6	41.3	22.2	8.8	8.0	8.7	9.1	-0.023	0.000	0.000	0.000
01:30:00	25.6	16.6	40.8	22.7	8.7	7.9	8.9	9.1	-0.022	0.000	0.000	0.000
01:45:00	26.1	16.9	44.8	22.1	8.9	7.9	8.8	9.3	-0.021	0.000	0.000	0.000
02:00:00	25.6	16.8	34.7	22.6	8.9	8.0	9.0	8.6	-0.020	0.000	0.000	0.000
02:15:00	25.5	16.9	34.9	23.0	8.9	8.0	8.8	8.6	-0.019	0.000	0.000	0.000
02:30:00	26.9	17.0	43.8	22.0	8.8	8.1	8.7	9.3	-0.020	0.000	0.001	0.000
02:45:00	26.2	17.5	34.4	23.3	8.8	8.2	9.1	8.7	-0.019	0.000	0.003	0.000
03:00:00	27.5	17.2	34.8	23.3	9.2	8.2	8.9	8.5	-0.020	0.001	0.004	0.000
03:15:00	27.6	17.6	34.0	23.1	9.1	8.3	9.1	8.5	-0.018	0.001	0.004	0.000
03:30:00	26.3	17.6	38.2	22.9	9.0	8.1	9.2	8.8	-0.017	0.000	0.001	0.000
03:45:00	27.6	18.3	34.2	23.1	9.0	8.3	8.9	8.4	-0.018	0.000	0.000	0.000
04:00:00	25.7	18.1	37.6	22.9	8.8	8.4	8.9	8.6	-0.014	0.000	0.000	0.000
04:15:00	27.1	17.7	35.8	22.5	8.7	8.1	8.8	8.3	-0.013	0.001	0.001	0.000
04:30:00	26.7	17.9	38.1	23.3	8.6	8.1	8.8	8.4	-0.012	0.000	0.002	0.000
04:45:00	26.1	20.4	36.8	22.6	8.3	10.2	8.7	8.3	-0.014	0.000	0.000	0.000
05:00:00	29.5	20.7	26.2	23.3	8.2	10.7	7.9	7.6	-0.013	0.000	0.001	0.000
05:15:00	32.9	17.8	31.6	21.2	7.9	8.6	7.6	7.7	-0.012	0.000	0.002	0.000
05:30:00	29.8	17.2	39.4	21.7	7.8	7.6	7.5	7.8	-0.013	0.000	0.002	0.000
05:45:00	26.5	16.5	30.5	21.9	7.7	7.5	7.5	7.4	-0.013	0.000	0.017	0.000
06:00:00	26.2	17.3	27.8	19.2	7.6	7.8	7.3	7.2	-0.012	0.000	0.011	0.000
06:15:00	26.1	16.3	27.0	18.2	6.8	7.5	6.9	7.2	-0.012	0.000	0.001	0.000
06:30:00	26.7	16.0	24.5	16.7	6.7	7.1	6.0	6.9	-0.011	0.001	0.000	0.000
06:45:00	24.1	17.1	31.7	19.4	6.9	7.1	6.8	6.9	-0.007	0.001	0.002	0.000
07:00:00	22.3	16.7	29.7	19.9	6.7	7.5	6.9	6.9	-0.011	0.000	0.004	0.000
07:15:00	20.9	16.5	26.1	18.6	7.3	7.5	7.3	6.8	-0.013	0.000	0.005	0.000
07:30:00	22.3	16.7	19.5	17.7	7.7	7.7	6.9	6.6	-0.014	0.000	0.002	0.000
07:45:00	21.8	16.0	24.6	18.3	8.2	7.6	7.5	7.1	-0.015	0.000	0.001	0.000
08:00:00	22.1	16.5	24.0	19.1	8.4	7.9	8.1	7.0	-0.014	0.000	0.000	0.000
08:15:00	22.6	17.0	22.5	21.3	8.7	8.2	8.9	7.3	-0.015	0.000	0.000	0.000
08:30:00	22.3	16.9	25.2	21.7	9.1	8.5	9.4	7.9	-0.013	0.001	0.000	0.000
08:45:00	23.1	17.4	24.5	21.9	9.3	8.8	9.5	8.2	-0.012	0.000	0.000	0.000
09:00:00	22.8	18.0	25.7	22.2	9.6	9.1	9.9	8.6	-0.016	0.000	0.000	0.000
09:15:00	23.6	18.0	25.0	22.3	10.2	9.5	10.0	8.8	-0.015	0.000	0.000	0.000
09:30:00	23.6	17.6	23.3	22.6	10.4	9.4	10.3	9.1	-0.013	0.000	0.000	0.000
09:45:00	23.4	16.9	22.4	22.6	10.1	9.4	10.5	9.1	-0.011	0.001	0.000	0.000
10:00:00	23.7	17.1	22.1	22.7	10.8	9.6	10.8	9.4	-0.012	0.000	0.000	0.000
10:15:00	24.2	18.4	21.2	23.2	11.2	10.4	11.2	9.5	-0.011	0.000	0.000	0.000
10:30:00	24.5	18.7	22.4	24.1	11.6	11.0	11.7	10.5	-0.008	0.000	0.000	0.000
10:45:00	26.3	19.2	23.5	25.8	12.5	11.1	12.4	11.3	-0.004	0.000	0.000	0.000
11:00:00	27.0	19.8	23.9	26.3	13.1	11.3	12.7	11.6	-0.001	0.000	0.000	0.000
11:15:00	22.9	17.5	21.1	22.6	11.7	10.3	11.3	10.6	0.002	0.000	0.000	0.001
11:30:00	22.6	16.3	20.2	21.6	11.1	9.7	10.9	10.0	0.011	0.000	0.000	0.002
11:45:00	13.2	13.4	15.9	12.9	7.8	8.3	7.2	8.1	0.024	0.000	0.003	0.007



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	Avg. 2943 - PM10 (µg/m³)	Avg. 2693 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2693 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2693 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
12:00:00	14.6	11.6	13.8	14.5	8.5	7.8	8.5	7.9	0.006	0.001	0.001	0.000
12:15:00	15.9	11.8	14.9	15.8	9.4	8.0	9.3	8.4	0.004	0.000	0.000	0.000
12:30:00	15.3	11.4	15.1	15.1	9.2	7.8	9.0	8.2	0.007	0.000	0.000	0.000
12:45:00	15.1	12.0	15.0	15.6	9.2	8.2	9.3	8.5	0.011	0.000	0.000	0.004
13:00:00	16.6	12.2	16.3	17.0	10.2	8.6	10.3	9.3	0.016	-0.001	0.001	0.005
13:15:00	19.9	15.7	19.1	20.1	11.4	10.1	11.5	10.8	0.017	0.000	0.001	0.002
13:30:00	22.7	17.6	22.4	23.5	12.3	11.0	12.4	11.4	0.019	0.000	0.003	0.005
13:45:00	25.0	18.6	24.1	24.9	12.9	11.3	13.0	12.1	0.023	0.000	0.005	0.005
14:00:00	15.2	12.7	21.0	14.8	8.0	8.0	7.7	8.4	0.036	0.000	0.003	0.016
14:15:00	22.1	11.7	25.4	15.9	8.4	6.5	7.1	8.2	0.046	0.000	0.006	0.025
14:30:00	15.3	11.9	16.5	15.8	8.4	7.3	8.7	7.8	0.023	0.000	0.003	0.018
14:45:00	15.9	12.7	15.9	15.4	8.9	8.4	8.8	8.1	-0.012	0.000	0.000	0.000
15:00:00	14.5	12.1	14.5	14.1	8.3	7.9	8.2	7.5	-0.025	0.000	0.000	0.000
15:15:00	14.6	11.6	14.9	14.3	8.2	7.5	8.0	7.4	-0.026	-0.001	0.000	0.000
15:30:00	13.8	11.7	13.8	12.9	7.6	7.6	7.2	6.6	-0.019	0.000	0.000	0.000
15:45:00	16.6	12.3	18.0	16.2	8.3	7.6	8.4	8.0	-0.016	0.000	0.000	0.000
16:00:00	21.3	15.3	23.2	21.2	10.8	9.1	10.7	9.9	-0.016	0.001	0.000	0.000
16:15:00	19.6	13.2	22.3	19.8	10.2	7.8	9.9	10.0	-0.001	0.000	0.000	0.000
16:30:00	14.2	8.5	23.7	14.1	5.6	4.5	6.4	6.9	0.020	0.000	0.003	0.003
16:45:00	15.4	10.2	26.2	15.8	7.1	5.5	7.8	7.6	0.011	0.000	0.004	0.003
17:00:00	17.0	12.1	27.1	17.7	8.0	6.8	8.8	7.8	-0.002	0.001	0.000	0.001
17:15:00	18.6	13.4	22.3	19.8	8.7	7.7	9.6	7.2	-0.013	0.000	0.000	0.000
17:30:00	20.9	14.7	21.8	21.9	10.5	8.6	10.6	8.5	-0.017	0.000	0.000	0.000
17:45:00	23.7	17.4	25.6	25.3	11.3	10.0	12.1	9.8	-0.020	0.000	0.000	0.000
18:00:00	24.4	19.1	27.7	25.8	11.3	10.7	12.2	9.8	-0.020	0.001	0.000	0.000
18:15:00	24.5	19.0	28.5	25.2	11.3	10.7	11.9	9.8	-0.017	0.001	0.000	0.000
18:30:00	25.5	19.3	31.7	26.5	10.9	10.7	12.0	9.2	-0.013	0.000	0.000	0.000
18:45:00	26.4	19.8	33.4	27.0	10.7	10.8	11.7	8.7	-0.011	0.001	0.000	0.000
19:00:00	28.6	20.1	45.4	27.1	10.5	10.6	11.4	8.4	-0.011	0.000	0.000	0.000
19:15:00	30.4	19.9	41.7	26.7	10.6	10.1	11.1	8.2	-0.010	0.000	0.000	0.000
19:30:00	28.9	20.1	44.6	26.9	11.0	9.9	11.1	8.6	-0.009	0.001	0.000	0.000
19:45:00	29.9	19.5	49.1	26.3	10.3	9.7	10.6	8.6	-0.008	0.000	0.000	0.000
20:00:00	28.8	19.3	45.2	25.4	9.9	9.4	10.3	8.9	-0.007	0.001	0.000	0.000
20:15:00	29.0	18.9	54.7	24.7	9.9	9.3	10.2	8.8	-0.007	0.000	0.000	0.000
20:30:00	30.9	18.7	45.3	25.6	9.7	9.1	9.7	8.1	-0.007	0.000	0.000	0.000
20:45:00	32.2	18.3	57.4	25.1	8.8	8.8	9.5	8.6	-0.007	0.000	0.000	0.000
21:00:00	33.2	19.2	37.7	25.8	8.6	8.7	9.4	7.4	-0.005	0.000	0.000	0.000
21:15:00	33.5	20.9	65.4	26.6	8.3	8.7	9.4	8.2	-0.004	0.000	0.000	0.000
21:30:00	45.3	21.2	69.6	28.1	9.2	8.6	9.4	8.6	-0.004	-0.001	0.000	0.000
21:45:00	37.5	21.4	67.6	29.2	9.2	8.9	9.6	8.2	-0.003	-0.001	0.000	0.001
22:00:00	40.9	23.0	63.6	31.1	9.7	9.3	9.9	8.5	-0.004	0.000	0.000	0.001
22:15:00	40.1	23.4	80.7	31.4	9.5	9.5	10.4	10.2	-0.004	-0.001	0.000	0.000
22:30:00	52.6	23.9	61.4	31.7	10.4	10.1	10.4	8.3	-0.004	0.001	0.000	0.000
22:45:00	48.9	24.9	59.9	34.7	10.3	10.2	10.3	8.4	-0.004	0.000	0.001	0.000
23:00:00	48.4	26.0	79.3	35.9	10.5	10.5	11.6	10.1	-0.007	0.000	0.000	0.000
23:15:00	48.2	27.2	82.4	36.3	10.2	10.8	11.7	10.7	-0.005	0.000	0.000	0.001
23:30:00	49.3	27.4	86.9	37.2	10.5	10.9	12.2	11.1	-0.006	0.000	0.000	0.000
23:45:00	50.9	27.1	72.3	38.9	10.9	11.1	12.1	10.8	-0.003	-0.001	0.000	0.000



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Table 4 : Summary of Exceedances (greater than Action Level) - *None*