



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-10-08

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1000 Max : 15.32	2943 ESE	2693 NNE	2996 ESE	2997 NNE	Min : 68.36 Max : 96.26	Min : 54.10 Max : 98.30	Min : 29.94 Max : 30.17

Table 2 : Monitoring Summary

Site Action Level :	PM10 : 150 µg/m ³		PM2.5 : 35 µg/m ³		H2S : 10 PPM	
AQ-SN	Avg. PM10 Daily (µg/m ³)	Max. PM10-15-min Avg (µg/m ³)	Avg. PM2.5 Daily (µg/m ³)	Max. PM2.5-15-min Avg (µg/m ³)	Avg. H2S Daily (PPM)	Max. H2S-15-min Avg (PPM)
2693	13.6	21.4	6.1	8.6	0.000	0.017
2943	21.6	51.0	6.7	9.5	-0.007	0.066
2996	17.6	27.5	6.8	12.0	0.002	0.022
2997	20.8	56.1	6.6	11.0	0.010	0.097



Figure 1 : Monitoring Locations

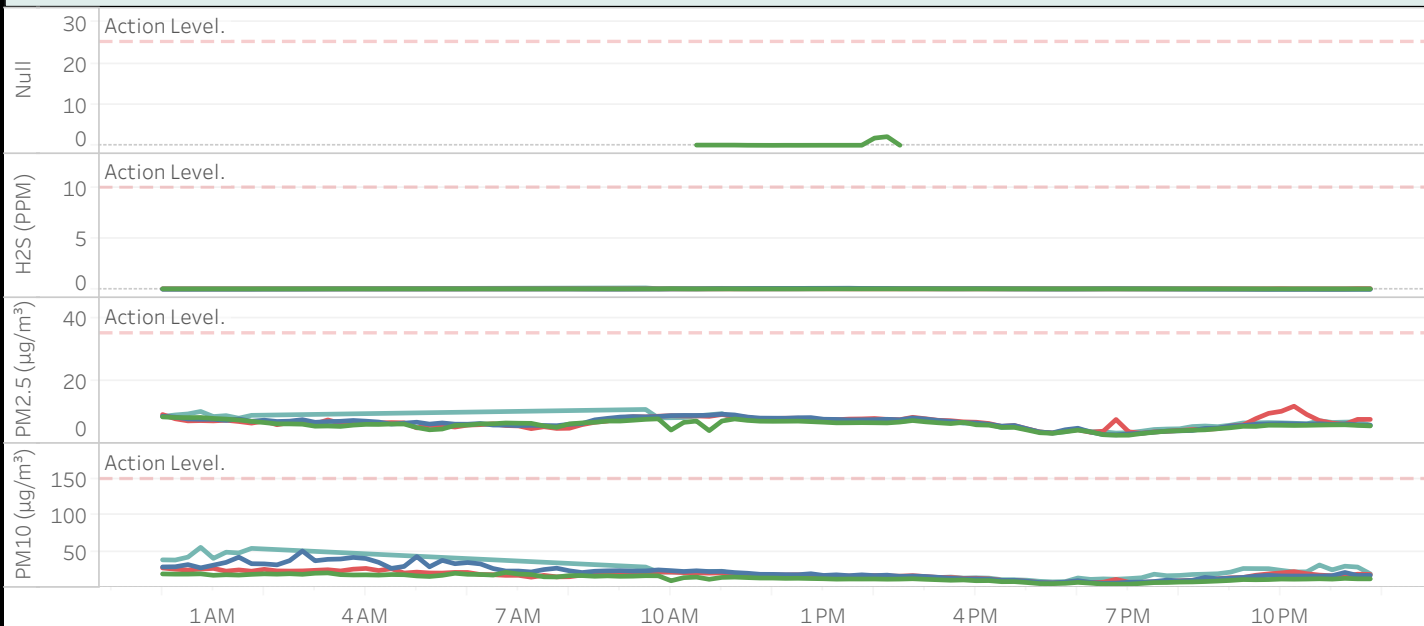


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

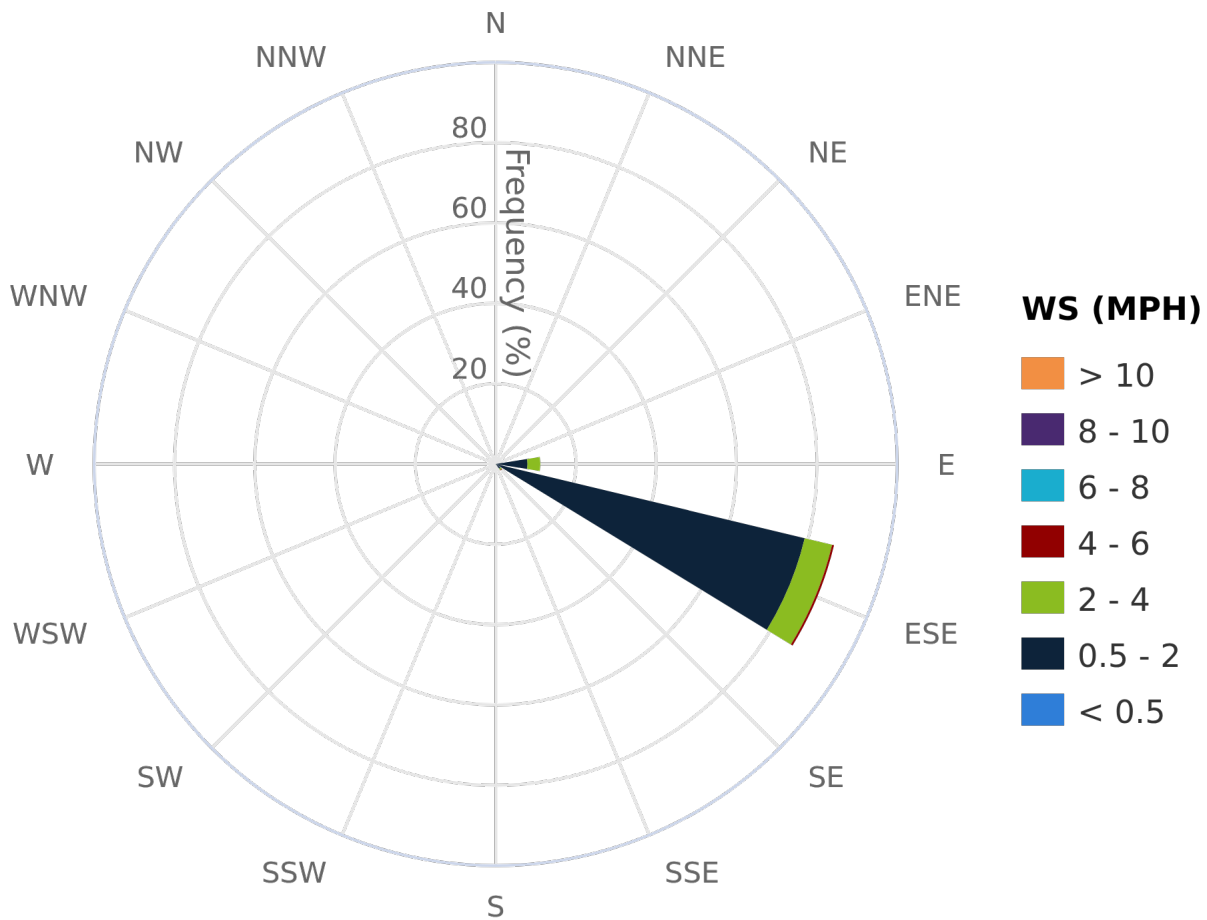


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

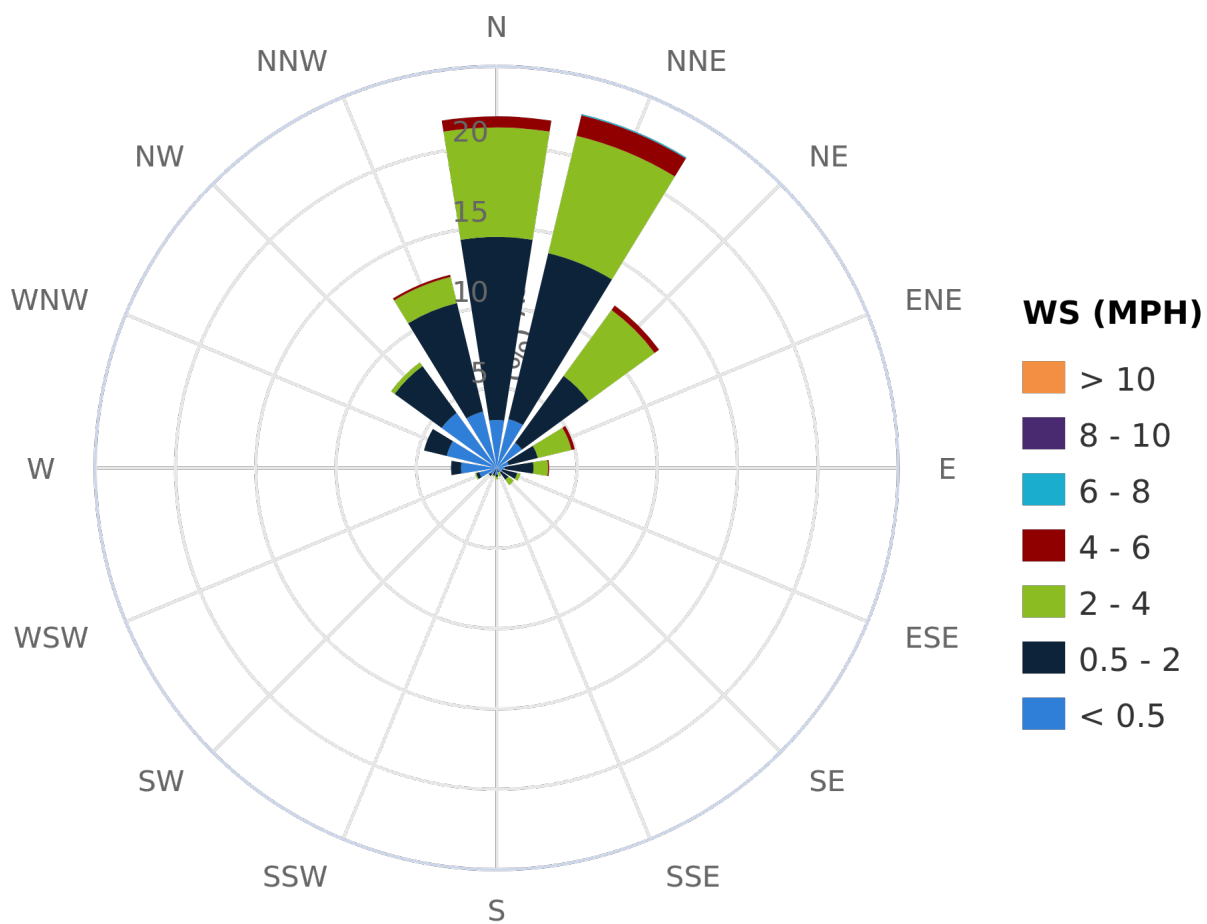


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

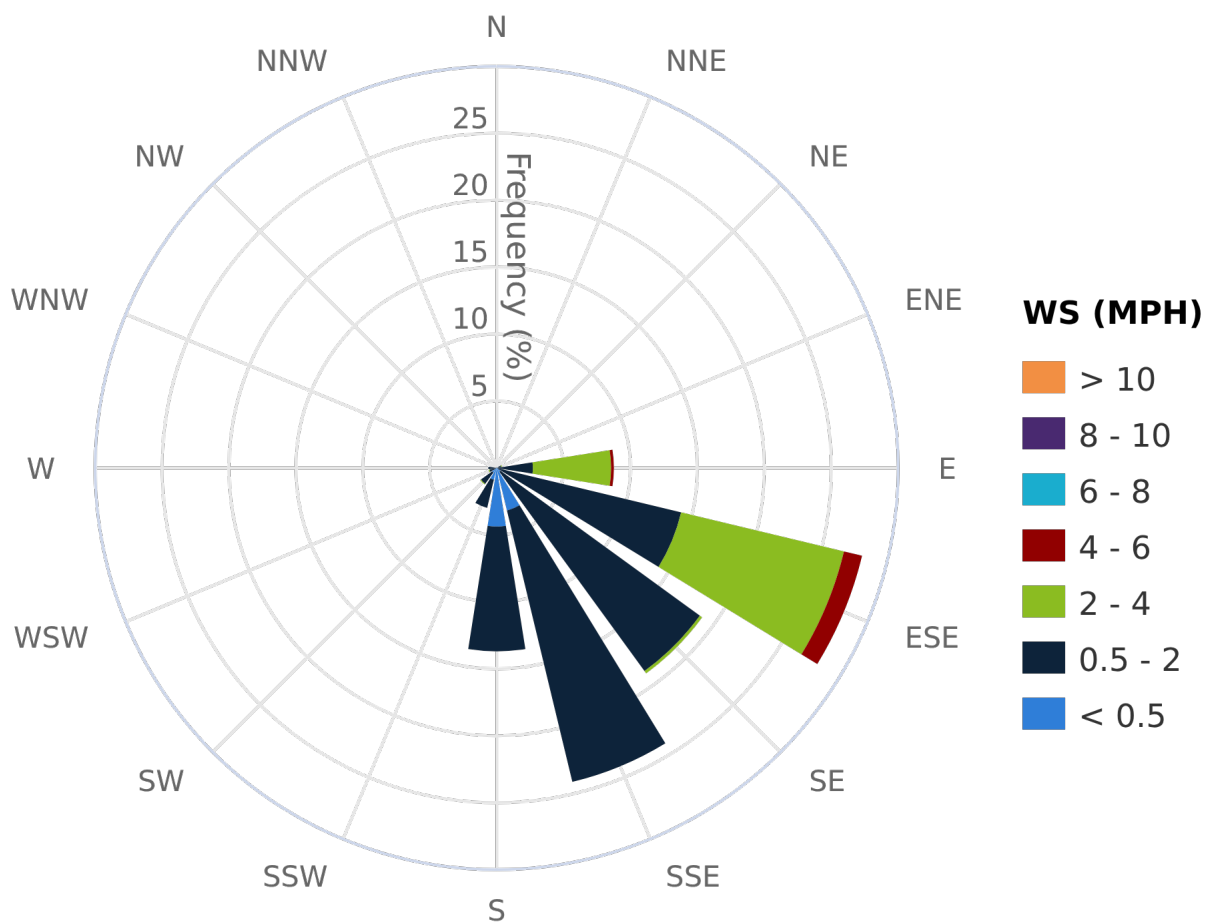


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

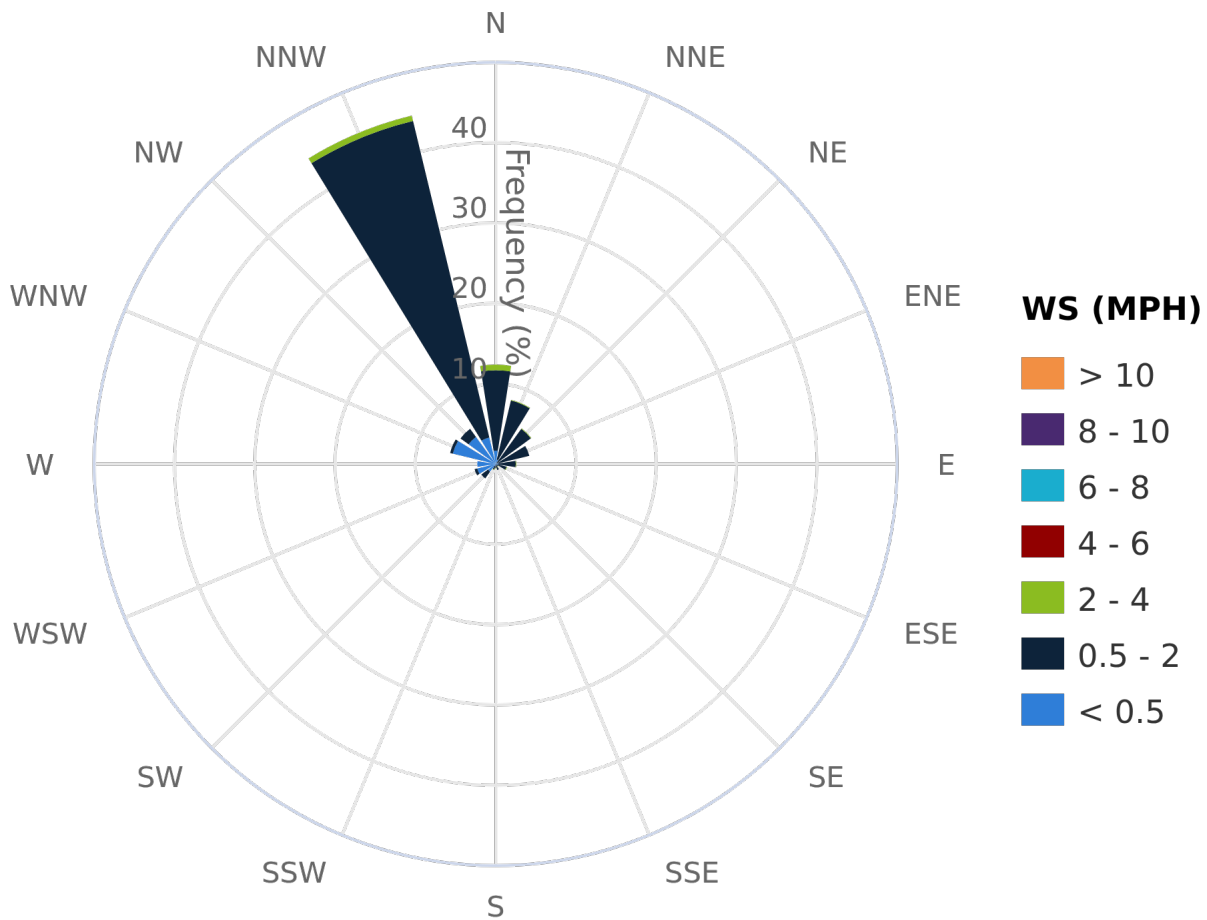


Figure 3 : Wind Rose Chart (WS in MPH)



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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	28.9	19.2	38.7	27.5	8.8	8.6	9.4	8.8	-0.033	0.001	0.000	0.000
00:15:00	29.1	18.9	38.5	25.7	8.5	8.4	8.0	9.2	-0.033	0.000	0.000	0.000
00:30:00	32.1	18.9	42.5	24.7	7.9	8.4	7.3	9.5	-0.033	0.001	0.000	0.000
00:45:00	27.6	19.3	56.1	25.9	7.8	8.4	7.4	10.3	-0.031	0.001	0.000	0.000
01:00:00	31.4	17.3	40.8	26.9	7.8	8.1	7.3	8.7	-0.029	0.001	0.000	0.000
01:15:00	35.2	18.1	49.4	23.1	7.5	7.9	7.5	9.0	-0.029	0.000	0.000	0.000
01:30:00	42.5	17.6	48.3	24.7	7.9	7.6	7.1	8.2	-0.028	0.000	0.000	0.000
01:45:00	33.4	18.6	54.7	23.0	7.2	7.2	6.6	9.1	-0.028	0.000	0.000	0.000
02:00:00	33.1	19.3		25.6	7.5	6.8	7.3		-0.024	0.000	0.002	
02:15:00	31.8	18.9		23.4	7.1	6.4	6.1		-0.024	0.000	0.000	
02:30:00	37.6	19.5		23.2	7.2	6.4	6.8		-0.023	0.000	0.000	
02:45:00	51.0	18.7		23.4	7.7	6.3	7.1		-0.022	0.000	0.000	
03:00:00	37.5	20.2		24.2	6.9	5.6	6.3		-0.019	0.000	0.000	
03:15:00	39.5	20.6		25.0	7.1	5.7	7.6		-0.017	0.000	0.000	
03:30:00	39.9	18.2		23.3	7.2	5.6	6.5		-0.015	0.001	0.000	
03:45:00	42.1	17.8		25.8	7.5	6.0	6.6		-0.014	0.001	0.000	
04:00:00	40.6	17.9		26.8	7.2	6.2	6.9		-0.016	0.000	0.000	
04:15:00	35.3	17.6		23.9	7.0	6.2	6.7		-0.015	0.000	0.000	
04:30:00	26.9	18.4		26.4	6.3	6.3	6.8		-0.013	0.000	0.000	
04:45:00	29.6	18.1		20.4	6.6	6.3	6.7		-0.016	0.001	0.000	
05:00:00	43.3	16.4		21.7	6.9	5.2	5.1		-0.014	0.000	0.000	
05:15:00	29.1	15.7		20.5	6.3	4.5	5.9		-0.012	0.000	0.000	
05:30:00	38.1	17.3		20.4	6.7	4.7	5.8		-0.012	0.001	0.000	
05:45:00	33.4	20.1		21.3	6.3	5.9	5.4		-0.014	0.001	0.000	
06:00:00	35.0	18.7		21.2	6.3	6.0	6.0		-0.011	0.000	0.000	
06:15:00	33.1	18.4		18.3	6.5	6.3	6.1		-0.010	0.001	0.000	
06:30:00	26.7	17.6		18.2	6.0	6.4	6.4		-0.011	0.000	0.002	
06:45:00	23.2	21.4		17.2	6.0	6.7	5.8		-0.011	0.000	0.003	
07:00:00	23.2	19.1		17.3	5.8	6.6	5.7		-0.012	0.000	0.003	
07:15:00	21.9	18.3		14.7	5.9	6.5	4.8		-0.012	0.000	0.004	
07:30:00	25.3	15.2		17.2	5.9	5.7	5.4		-0.011	0.000	0.005	
07:45:00	27.2	15.0		15.2	5.8	5.3	4.9		-0.011	0.000	0.006	
08:00:00	23.6	16.9		15.3	6.2	6.4	5.0		-0.014	0.000	0.009	
08:15:00	21.1	16.9		17.6	6.5	6.7	6.1		-0.016	0.000	0.000	
08:30:00	22.9	16.0		18.6	7.7	6.9	6.9		-0.022	0.001	0.000	
08:45:00	23.5	16.5		18.3	8.1	7.3	7.3		-0.026	0.001	0.000	
09:00:00	23.8	15.9		20.6	8.5	7.3	8.3		-0.025	0.000	0.000	
09:15:00	23.2	16.1		21.1	8.7	7.5	8.7		-0.022	0.000	0.000	
09:30:00	23.4	16.7	28.8	21.7	8.6	7.8	8.6	11.0	-0.019	0.001	0.000	0.097
09:45:00	24.8	16.6	21.8	21.9	8.7	8.0	8.8	8.3	-0.014	0.000	0.000	0.012
10:00:00	23.8	9.7		21.7	9.0	4.4	9.0		-0.005	0.017	0.000	
10:15:00	22.6	14.0	21.9	21.0	9.1	6.8	8.9	8.4	0.003	0.000	0.000	0.019
10:30:00	23.6	14.8	22.2	20.7	9.1	7.3	8.9	8.9	0.007	0.000	0.000	0.000
10:45:00	22.5	11.8		20.3	9.1	4.2	8.8		0.011	0.000	0.000	
11:00:00	22.7	14.4	22.9	20.7	9.5	7.3	9.4	9.7	0.016	0.000	0.000	0.054
11:15:00	21.1	14.8	18.5	19.2	9.2	7.9	8.7	8.1	0.024	0.000	0.001	0.007
11:30:00	20.2	14.1	18.8	19.1	8.5	7.5	8.5	8.4	0.035	0.000	0.002	0.000
11:45:00	18.7	13.5	17.6	17.2	8.2	7.2	7.8	7.9	0.040	0.000	0.003	0.000



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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	18.6	13.5	17.1	17.8	8.2	7.2	8.1	7.8	0.043	0.000	0.005	0.000
12:15:00	18.2	13.0	16.8	17.7	8.2	7.2	8.2	7.7	0.047	0.000	0.005	0.000
12:30:00	18.1	13.2	17.0	18.0	8.3	7.3	8.2	7.7	0.049	0.000	0.005	0.002
12:45:00	19.5	12.8	16.3	17.0	8.4	7.1	7.9	7.5	0.056	0.001	0.008	0.013
13:00:00	17.1	12.5	16.3	16.3	7.9	6.9	7.7	7.3	0.058	0.000	0.005	0.021
13:15:00	18.0	12.0	15.3	16.2	7.8	6.7	7.7	7.1	0.061	0.000	0.005	0.035
13:30:00	16.8	12.2	15.5	16.4	7.6	6.7	7.9	7.1	0.066	0.000	0.001	0.036
13:45:00	17.9	12.1	15.1	16.3	7.7	6.8	8.0	7.0	0.048	0.000	0.000	0.042
14:00:00	16.9	12.2	16.4	16.9	7.7	6.7	8.1	7.2	0.039	0.000	0.000	0.042
14:15:00	17.5	11.9	15.7	16.5	7.8	6.7	7.8	7.1	0.037	0.000	0.000	0.035
14:30:00	15.7	12.1	16.2	16.0	7.7	7.0	7.7	7.1	0.020	0.000	0.000	0.029
14:45:00	16.3	12.5	15.6	16.9	8.3	7.4	8.5	7.6	0.020	0.000	0.000	0.027
15:00:00	15.6	11.8	14.4	15.6	7.9	7.0	8.0	7.3	0.020	0.000	0.000	0.030
15:15:00	14.5	11.1	14.1	14.4	7.5	6.7	7.5	7.1	0.012	0.000	0.000	0.032
15:30:00	13.3	10.4	14.9	14.2	7.2	6.5	7.4	7.1	0.007	-0.001	0.000	0.027
15:45:00	12.4	10.9	13.5	13.0	6.8	6.9	7.0	6.6	0.008	0.000	0.000	0.026
16:00:00	12.5	9.8	13.8	13.2	6.6	6.1	6.9	6.6	0.014	0.000	0.000	0.025
16:15:00	11.9	10.0	13.4	12.3	6.2	6.0	6.5	6.3	0.012	0.000	0.000	0.020
16:30:00	10.2	8.4	11.3	10.3	5.6	5.2	5.6	5.2	0.005	0.000	0.000	0.017
16:45:00	10.4	8.5	11.1	10.2	5.8	5.3	5.8	5.4	-0.003	0.000	0.000	0.016
17:00:00	9.1	7.3	10.5	9.0	4.8	4.4	4.8	4.6	-0.004	0.000	0.000	0.013
17:15:00	7.3	5.8	9.0	7.2	3.7	3.5	3.8	3.8	-0.009	0.000	0.000	0.013
17:30:00	6.9	5.7	8.2	6.6	3.5	3.4	3.5	3.3	-0.014	0.000	0.000	0.015
17:45:00	7.8	6.2	8.5	7.6	4.5	3.8	4.1	3.9	-0.015	0.000	0.000	0.013
18:00:00	9.8	7.5	13.6	8.6	5.0	4.4	4.5	4.6	-0.009	-0.001	0.000	0.009
18:15:00	7.4	6.4	11.6	7.1	3.8	3.8	3.7	3.9	-0.004	-0.001	0.000	0.011
18:30:00	6.2	5.1	12.3	7.7	2.9	2.9	4.0	3.8	0.003	0.000	0.000	0.011
18:45:00	6.5	4.9	11.8	11.6	2.9	2.7	7.8	3.4	0.008	0.000	0.000	0.009
19:00:00	7.6	5.0	12.7	7.6	3.2	2.7	3.8	3.5	0.003	0.000	0.000	0.005
19:15:00	7.9	6.0	13.9	7.5	3.4	3.3	3.4	4.0	0.001	0.000	0.000	0.005
19:30:00	8.7	7.2	18.8	8.2	3.7	3.7	3.8	4.6	-0.002	0.000	0.000	0.003
19:45:00	10.6	7.3	16.7	8.7	4.1	4.0	4.0	4.7	-0.007	0.001	0.000	0.002
20:00:00	9.6	7.9	17.1	9.7	4.1	4.2	4.3	4.8	-0.013	0.001	0.002	0.000
20:15:00	10.3	8.1	18.4	10.5	4.3	4.3	4.5	5.5	-0.020	0.000	0.004	0.000
20:30:00	14.4	8.6	18.9	11.4	4.9	4.5	4.6	5.7	-0.024	0.000	0.010	0.000
20:45:00	12.4	9.4	19.4	12.5	5.0	4.8	4.8	5.5	-0.030	0.000	0.009	0.000
21:00:00	13.4	10.2	21.7	13.9	5.7	5.1	5.7	5.9	-0.031	0.000	0.003	0.000
21:15:00	14.4	11.4	26.7	14.3	5.8	5.6	6.0	6.7	-0.035	0.001	0.000	0.000
21:30:00	16.2	11.1	26.6	17.4	6.2	5.6	8.1	6.7	-0.043	0.001	0.001	0.000
21:45:00	17.2	11.4	26.5	19.3	6.4	5.9	9.7	6.8	-0.048	0.000	0.003	0.000
22:00:00	16.4	12.1	24.1	20.6	6.5	5.9	10.4	6.7	-0.049	0.000	0.015	0.000
22:15:00	16.3	11.9	22.0	22.4	6.4	5.9	12.0	6.6	-0.047	0.000	0.001	0.000
22:30:00	16.3	12.1	22.1	19.5	6.3	5.9	9.4	6.4	-0.044	0.000	0.000	0.000
22:45:00	16.3	12.5	31.6	17.6	6.4	6.0	7.4	7.4	-0.049	0.001	0.000	0.000
23:00:00	16.7	12.0	24.8	16.7	6.2	6.0	6.6	6.8	-0.051	0.000	0.000	0.000
23:15:00	21.2	13.0	29.9	16.4	6.4	6.1	6.3	6.9	-0.049	0.000	0.002	0.000
23:30:00	17.0	12.4	28.8	18.8	6.0	5.9	7.8	7.0	-0.048	0.000	0.022	0.000
23:45:00	17.2	12.4	19.3	18.4	5.9	5.7	7.8	6.0	-0.048	0.000	0.019	0.000



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