



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-12-03

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1000 Max : 22.68	2943 ENE	2693 None	2996 S	2997 NNW	Min : 50.54 Max : 78.98	Min : 35.90 Max : 88.50	Min : 29.93 Max : 30.24

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	7.9	31.4	3.2	6.9	-0.011	0.045
2996	7.2	19.1	3.1	6.6	0.000	0.001
2997	9.9	49.2	3.9	12.1	0.004	0.025



Figure 1 : Monitoring Locations

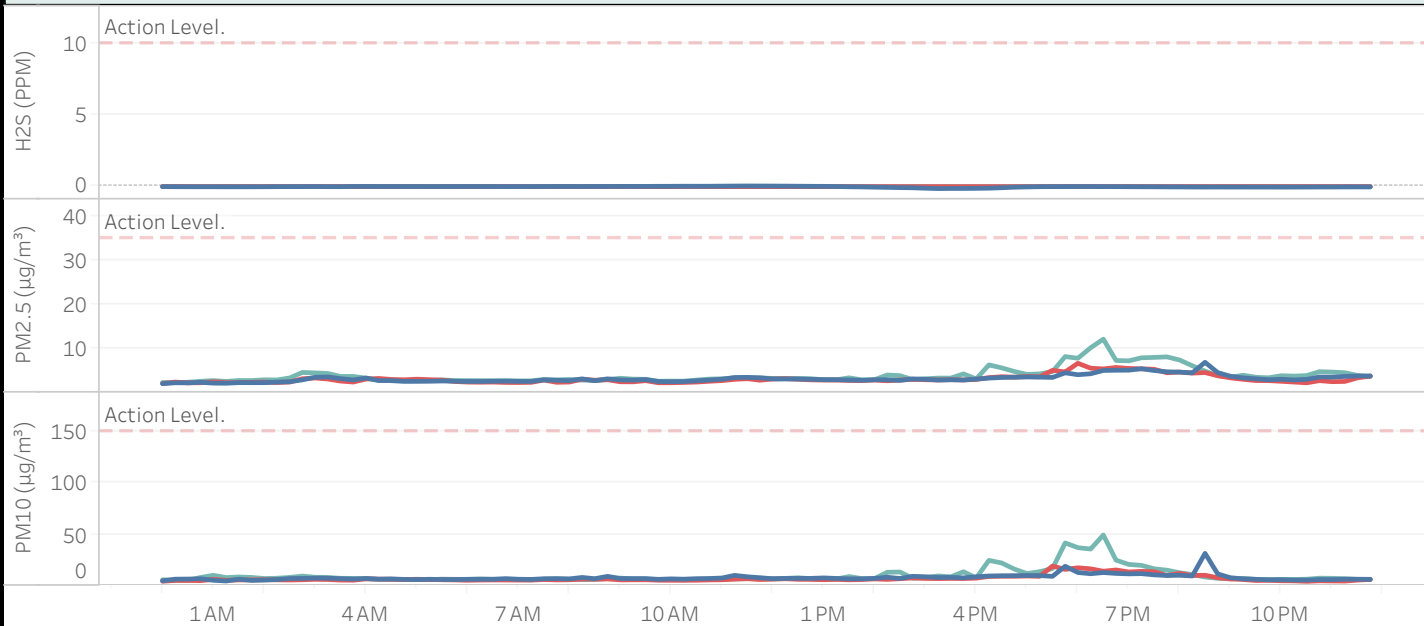


Figure 2 : 15 Minutes Average Concentrations

2943

2996

2997



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Wind Rose Chart 2943

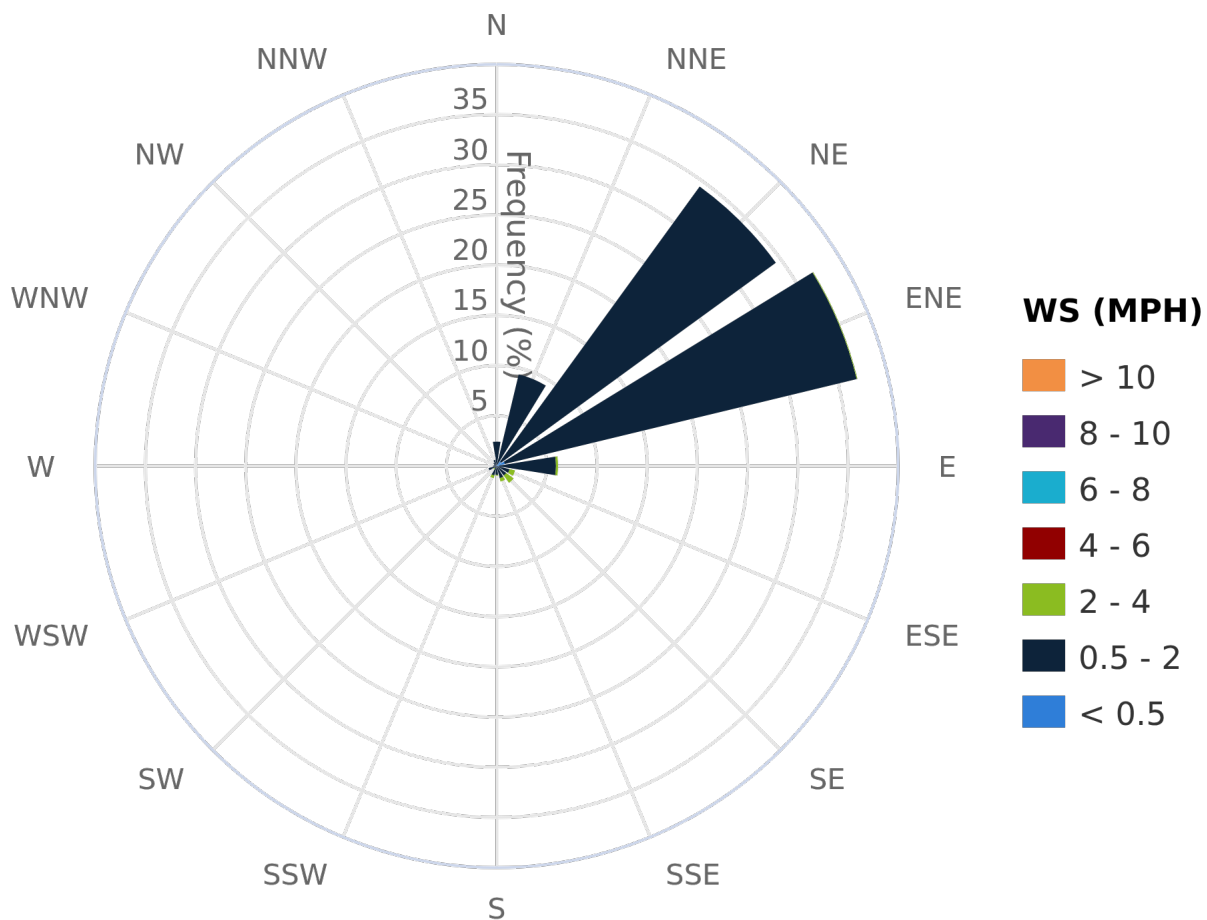


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

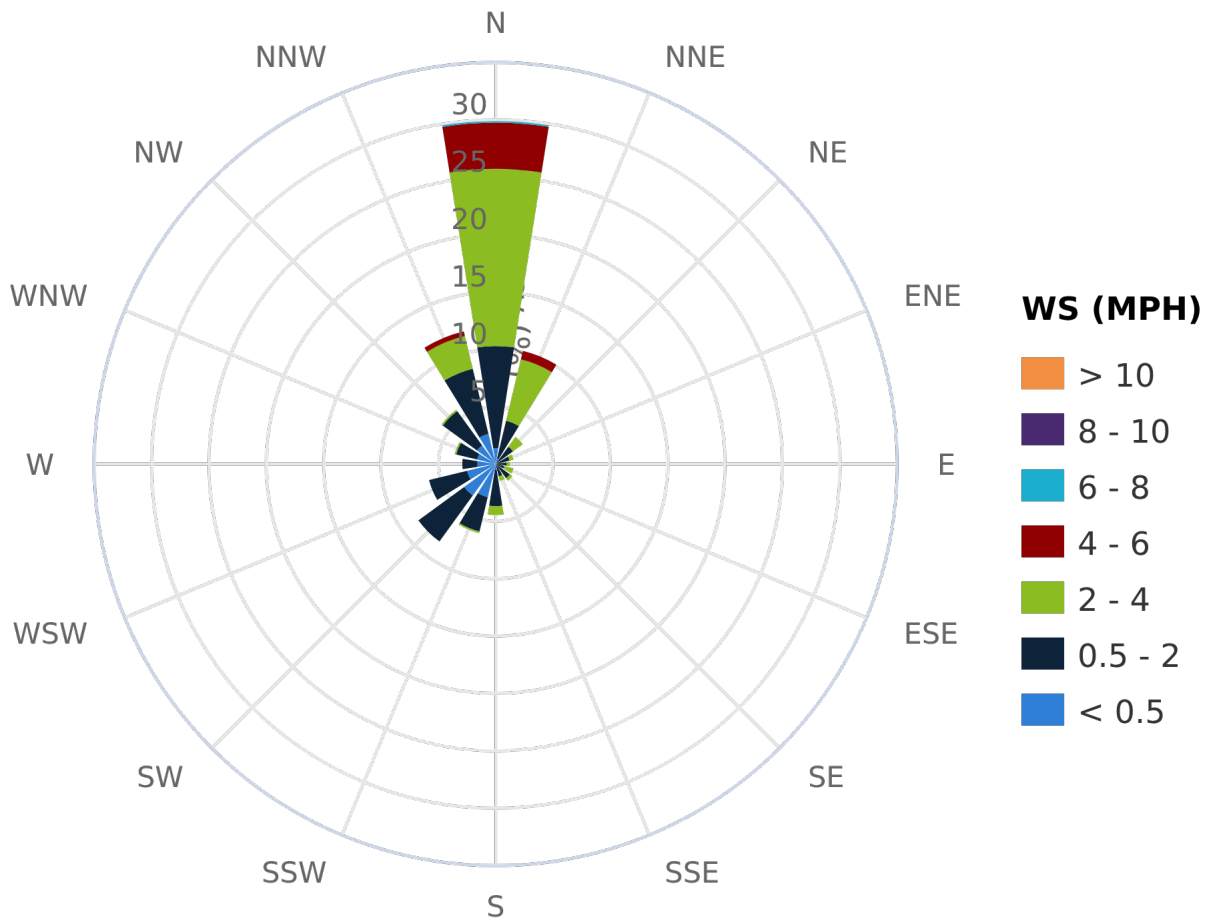


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

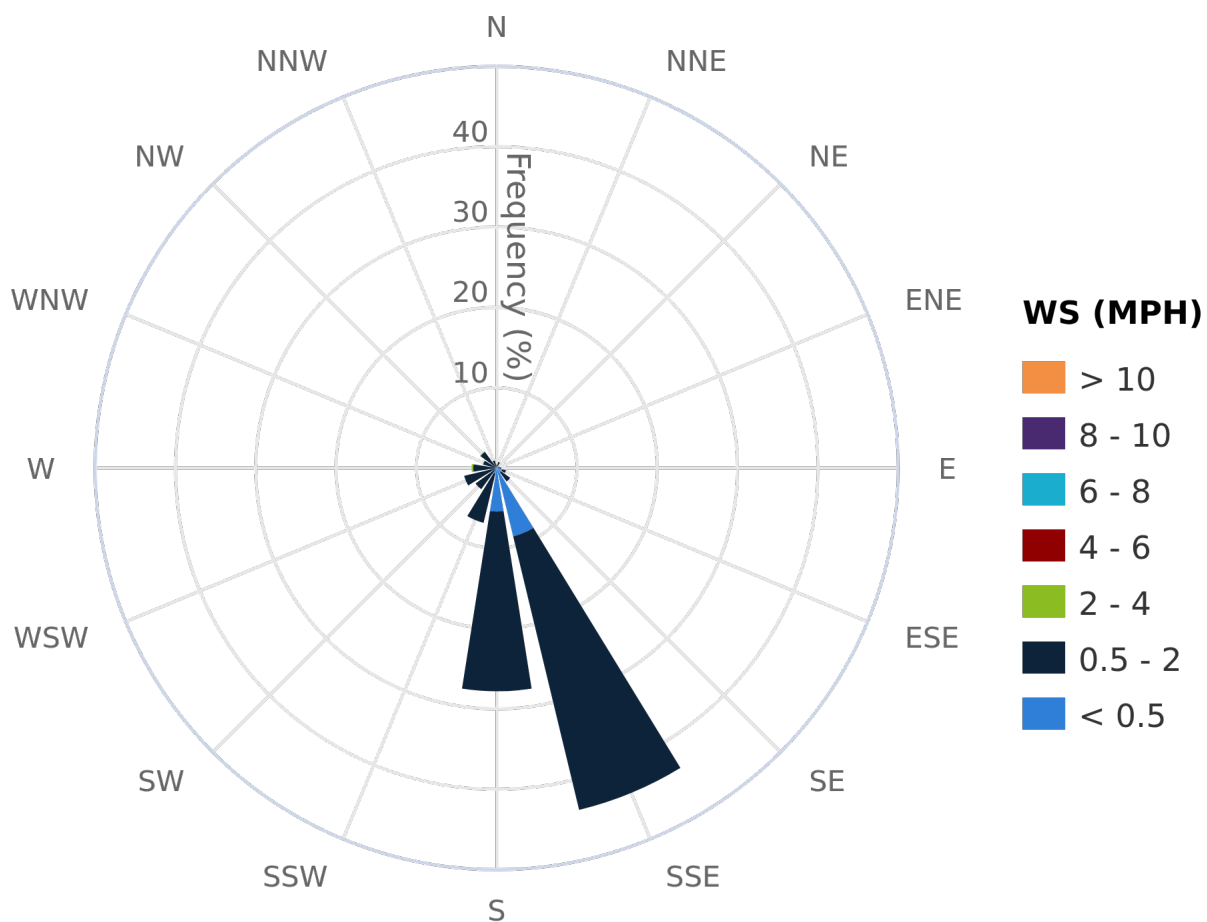


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

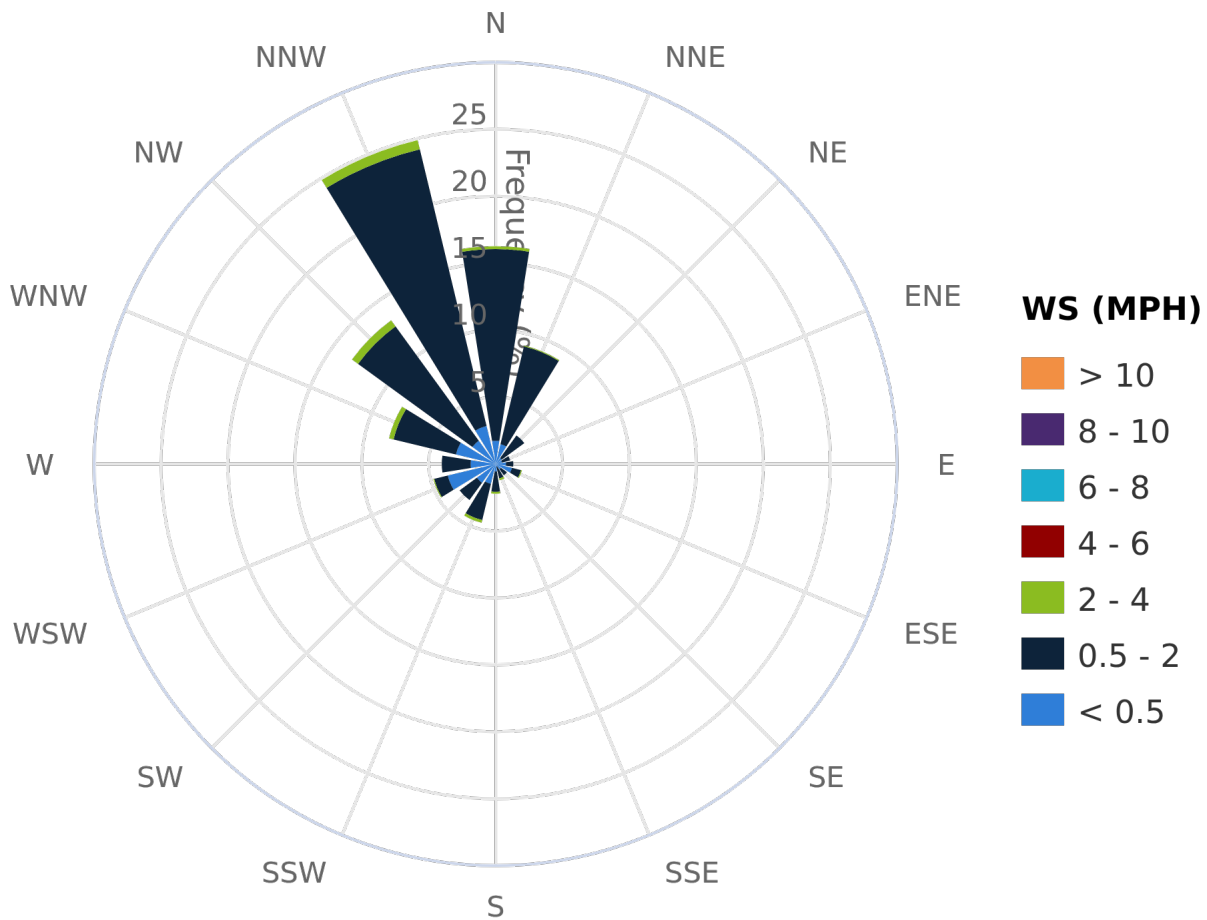


Figure 3 : Wind Rose Chart (WS in MPH)



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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	4.8		5.8	4.4	2.0		2.1	2.3	-0.002		0.000	0.004
00:15:00	6.4		5.3	5.1	2.2		2.4	2.3	-0.006		0.000	0.002
00:30:00	6.5		5.2	5.1	2.2		2.2	2.4	-0.009		0.000	0.000
00:45:00	6.8		8.1	4.9	2.3		2.2	2.6	-0.010		0.000	0.000
01:00:00	5.3		10.1	6.2	2.1		2.4	2.7	-0.011		0.000	0.000
01:15:00	4.6		7.9	5.3	2.1		2.3	2.5	-0.014		0.000	0.000
01:30:00	6.4		8.5	5.6	2.3		2.3	2.7	-0.014		0.000	0.000
01:45:00	5.2		8.1	5.8	2.2		2.3	2.7	-0.012		0.000	0.000
02:00:00	5.5		7.0	5.9	2.3		2.4	2.9	-0.009		0.000	0.000
02:15:00	6.0		7.3	5.7	2.4		2.3	2.9	-0.004		0.000	0.000
02:30:00	7.0		8.1	5.6	2.5		2.4	3.3	-0.001		0.000	0.000
02:45:00	7.1		9.4	5.8	2.9		3.1	4.6	0.001		0.000	0.000
03:00:00	7.4		8.2	6.2	3.5		3.3	4.5	0.005		0.000	0.000
03:15:00	7.4		8.1	6.1	3.5		3.1	4.3	-0.003		0.000	0.000
03:30:00	6.9		7.3	5.5	3.2		2.6	3.7	-0.005		0.000	0.001
03:45:00	6.5		7.1	5.4	2.9		2.4	3.7	0.010		0.000	0.009
04:00:00	7.1		6.9	6.6	3.3		3.1	3.3	0.014		0.000	0.010
04:15:00	6.4		6.2	6.4	2.7		3.2	2.8	0.008		0.000	0.007
04:30:00	6.7		6.0	6.3	2.7		3.0	2.7	0.008		0.000	0.005
04:45:00	6.2		6.2	6.0	2.5		2.9	2.7	0.008		0.000	0.007
05:00:00	6.0		6.2	6.3	2.6		3.0	2.7	0.007		0.000	0.008
05:15:00	6.3		6.0	6.1	2.6		2.9	2.7	0.006		0.000	0.006
05:30:00	6.1		6.4	5.8	2.6		2.8	2.9	0.007		0.000	0.006
05:45:00	6.0		6.3	5.6	2.6		2.5	2.7	0.008		0.000	0.007
06:00:00	6.2		6.3	5.3	2.5		2.4	2.7	0.011		0.000	0.008
06:15:00	6.3		6.7	5.5	2.5		2.4	2.7	0.009		0.001	0.005
06:30:00	6.3		6.3	5.6	2.6		2.4	2.7	0.007		0.000	0.006
06:45:00	6.9		6.3	5.6	2.6		2.3	2.7	0.001		0.000	0.007
07:00:00	6.3		6.1	5.5	2.5		2.3	2.7	0.004		0.000	0.005
07:15:00	6.2		5.8	5.5	2.5		2.3	2.7	0.006		0.000	0.005
07:30:00	6.8		6.4	6.0	2.9		2.8	3.0	0.010		0.000	0.008
07:45:00	7.0		6.3	5.7	2.8		2.3	2.9	0.012		0.000	0.009
08:00:00	6.7		6.4	5.8	2.7		2.4	3.0	0.011		0.000	0.010
08:15:00	8.1		5.9	6.5	3.1		3.0	2.8	0.010		0.000	0.011
08:30:00	6.8		6.1	6.4	2.7		2.8	2.7	0.012		0.001	0.010
08:45:00	9.1		7.0	6.6	3.1		2.9	2.9	0.013		0.000	0.010
09:00:00	7.0		7.5	5.7	2.9		2.5	3.3	0.016		0.000	0.007
09:15:00	7.0		6.6	5.8	2.8		2.4	3.1	0.015		0.000	0.010
09:30:00	7.0		6.5	5.8	3.0		2.7	3.0	0.018		0.000	0.012
09:45:00	6.2		5.9	5.4	2.5		2.2	2.6	0.023		0.000	0.013
10:00:00	6.7		6.0	5.3	2.5		2.2	2.6	0.025		0.000	0.016
10:15:00	6.4		5.8	5.3	2.5		2.3	2.6	0.029		0.000	0.015
10:30:00	6.9		6.2	5.4	2.7		2.4	2.8	0.028		0.000	0.016
10:45:00	7.0		6.4	5.6	2.8		2.6	3.1	0.029		0.000	0.019
11:00:00	7.5		6.2	5.8	3.0		2.7	3.1	0.035		0.000	0.021
11:15:00	10.1		6.7	6.5	3.4		3.0	3.3	0.041		0.000	0.021
11:30:00	8.7		6.8	6.8	3.5		3.1	3.3	0.045		0.000	0.024
11:45:00	7.8		6.8	6.0	3.3		2.8	3.3	0.040		0.000	0.025



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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)
12:00:00	6.8		7.0	6.3	3.1		3.1	3.2	0.040		0.000	0.022
12:15:00	7.2		7.2	6.8	3.1		3.2	3.2	0.036		0.000	0.015
12:30:00	7.2		7.7	6.2	3.1		3.0	3.2	0.030		0.000	0.006
12:45:00	7.2		6.9	6.2	3.0		2.9	3.1	0.024		0.000	0.000
13:00:00	7.6		6.4	5.9	2.9		2.8	2.9	0.020		0.000	0.000
13:15:00	7.1		6.6	6.1	2.9		2.8	2.9	0.005		0.000	0.000
13:30:00	6.7		8.9	5.8	2.9		2.7	3.4	-0.011		0.000	0.000
13:45:00	6.7		7.0	6.0	2.8		2.7	2.9	-0.020		0.000	0.000
14:00:00	7.2		6.9	6.6	2.9		2.8	2.9	-0.038		0.000	0.000
14:15:00	8.3		13.1	6.2	2.9		2.7	4.0	-0.053		0.000	0.000
14:30:00	7.1		13.3	6.8	2.8		2.8	3.8	-0.070		0.000	0.000
14:45:00	9.2		7.3	7.5	3.1		3.0	3.0	-0.082		0.000	0.000
15:00:00	8.7		7.8	7.1	3.0		2.9	3.1	-0.111		0.000	0.000
15:15:00	8.0		9.6	6.9	2.8		2.9	3.3	-0.137		0.000	0.000
15:30:00	8.1		8.7	7.1	2.9		2.9	3.3	-0.129		0.000	0.000
15:45:00	7.7		13.6	7.0	2.8		2.9	4.2	-0.128		0.000	0.000
16:00:00	8.7		7.6	7.4	3.1		3.0	3.1	-0.119		0.000	0.000
16:15:00	9.5		24.6	9.0	3.3		3.4	6.3	-0.108		0.000	0.000
16:30:00	9.7		22.1	9.2	3.4		3.6	5.6	-0.077		0.000	0.000
16:45:00	9.8		16.2	9.1	3.5		3.5	4.8	-0.042		0.000	0.000
17:00:00	10.0		11.8	9.5	3.5		3.6	4.1	-0.021		0.000	0.000
17:15:00	9.9		13.7	9.1	3.5		3.6	4.2	-0.006		0.000	0.002
17:30:00	9.1		16.7	19.1	3.4		5.0	4.7	0.000		0.000	0.002
17:45:00	18.9		41.5	15.8	4.5		4.7	8.1	0.001		0.000	0.002
18:00:00	12.8		36.9	17.4	4.0		6.6	7.8	0.006		0.000	0.001
18:15:00	11.7		35.6	16.4	4.3		5.5	10.1	0.004		0.000	0.000
18:30:00	12.8		49.2	14.1	5.0		5.4	12.1	0.001		0.000	0.000
18:45:00	12.0		24.8	15.3	5.1		5.7	7.3	-0.002		0.000	0.000
19:00:00	11.5		20.7	13.3	5.1		5.5	7.2	-0.007		0.000	0.000
19:15:00	11.7		19.7	14.0	5.4		5.4	7.9	-0.012		0.000	0.000
19:30:00	10.6		16.4	13.6	5.0		5.3	8.0	-0.014		0.000	0.000
19:45:00	9.9		15.1	9.9	4.7		4.5	8.1	-0.019		0.000	0.000
20:00:00	10.2		12.6	11.9	4.6		4.6	7.4	-0.022		0.000	0.000
20:15:00	9.5		10.8	9.9	4.5		4.4	6.1	-0.027		0.000	0.000
20:30:00	31.4		8.4	10.2	6.9		4.5	4.9	-0.031		0.000	0.000
20:45:00	11.4		7.3	7.7	4.5		3.8	3.8	-0.030		0.000	0.000
21:00:00	7.8		6.7	6.6	3.7		3.3	3.5	-0.031		0.000	0.000
21:15:00	6.7		7.2	6.1	3.3		3.0	3.9	-0.031		0.000	0.000
21:30:00	6.3		6.2	5.1	3.1		2.7	3.5	-0.032		0.000	0.000
21:45:00	5.7		6.0	5.2	2.9		2.7	3.4	-0.032		0.000	0.000
22:00:00	5.9		6.2	4.9	3.0		2.6	3.8	-0.034		0.000	0.000
22:15:00	5.5		6.1	4.7	2.9		2.4	3.7	-0.032		0.000	0.000
22:30:00	5.5		6.4	4.3	3.0		2.2	3.9	-0.031		0.000	0.000
22:45:00	6.0		7.4	4.8	3.5		2.7	4.7	-0.027		0.000	0.000
23:00:00	5.9		7.2	4.6	3.5		2.5	4.6	-0.026		0.000	0.000
23:15:00	6.4		6.9	4.5	3.7		2.5	4.5	-0.022		0.000	0.000
23:30:00	6.4		6.2	5.5	3.8		3.3	3.9	-0.021		0.000	0.000
23:45:00	6.3		5.9	6.1	3.8		3.8	3.6	-0.023		0.000	0.000



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