



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2026-01-22

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
0.157 to 4.877	2943 ENE	3277 NNE	2996 SSE	2997 WNW	Min : 51.62 Max : 86.72	Min : 36.20 Max : 85.10	Min : 30.06 Max : 30.48

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	12.9	25.4	7.1	17.6	0.001	0.018
2996	12.5	26.1	7.1	17.4	0.003	0.022
2997	13.1	26.7	7.5	18.7	0.000	0.009
3277	13.2	64.1	8.9	53.1	0.002	0.121

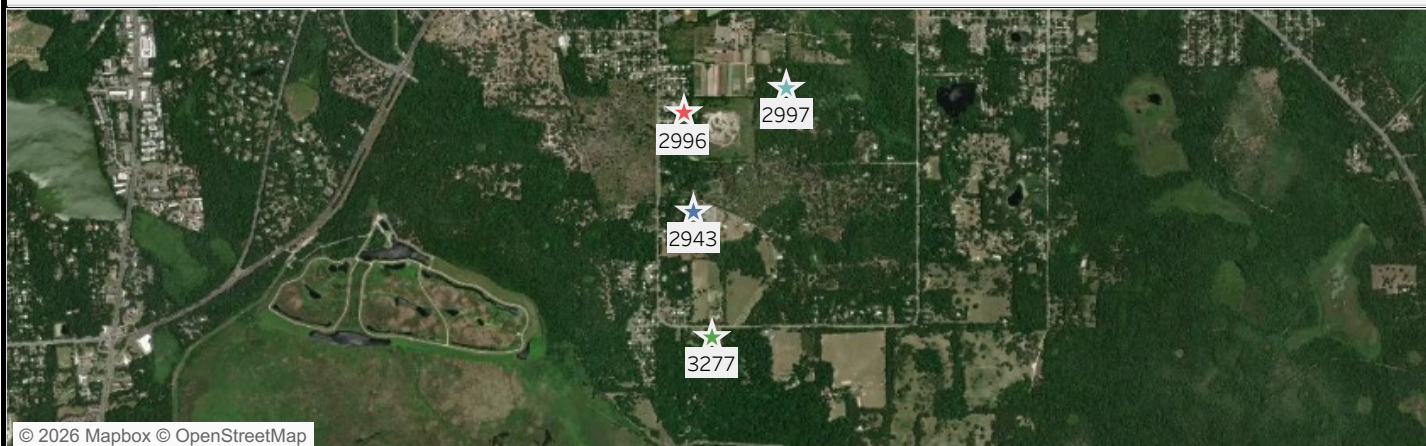
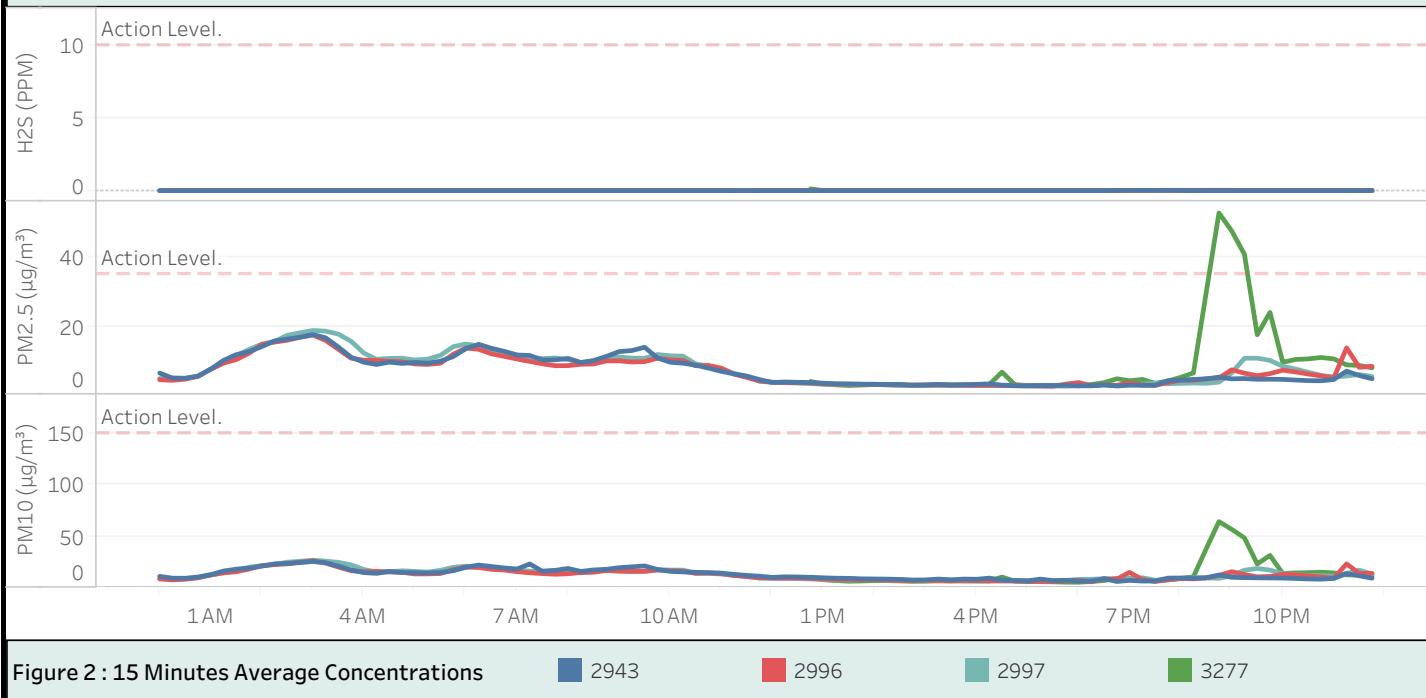


Figure 1 : Monitoring Locations





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Wind Rose Chart 2943

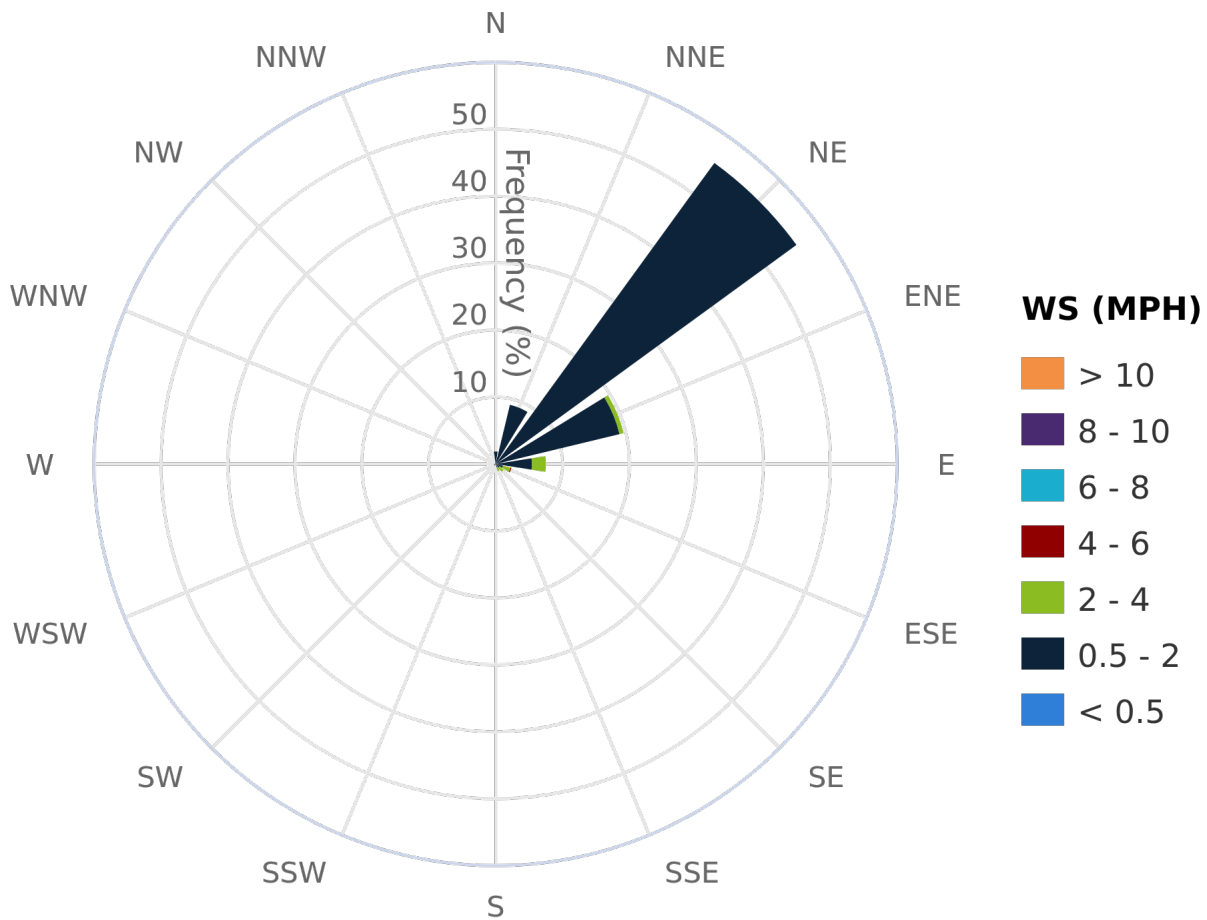


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 3277

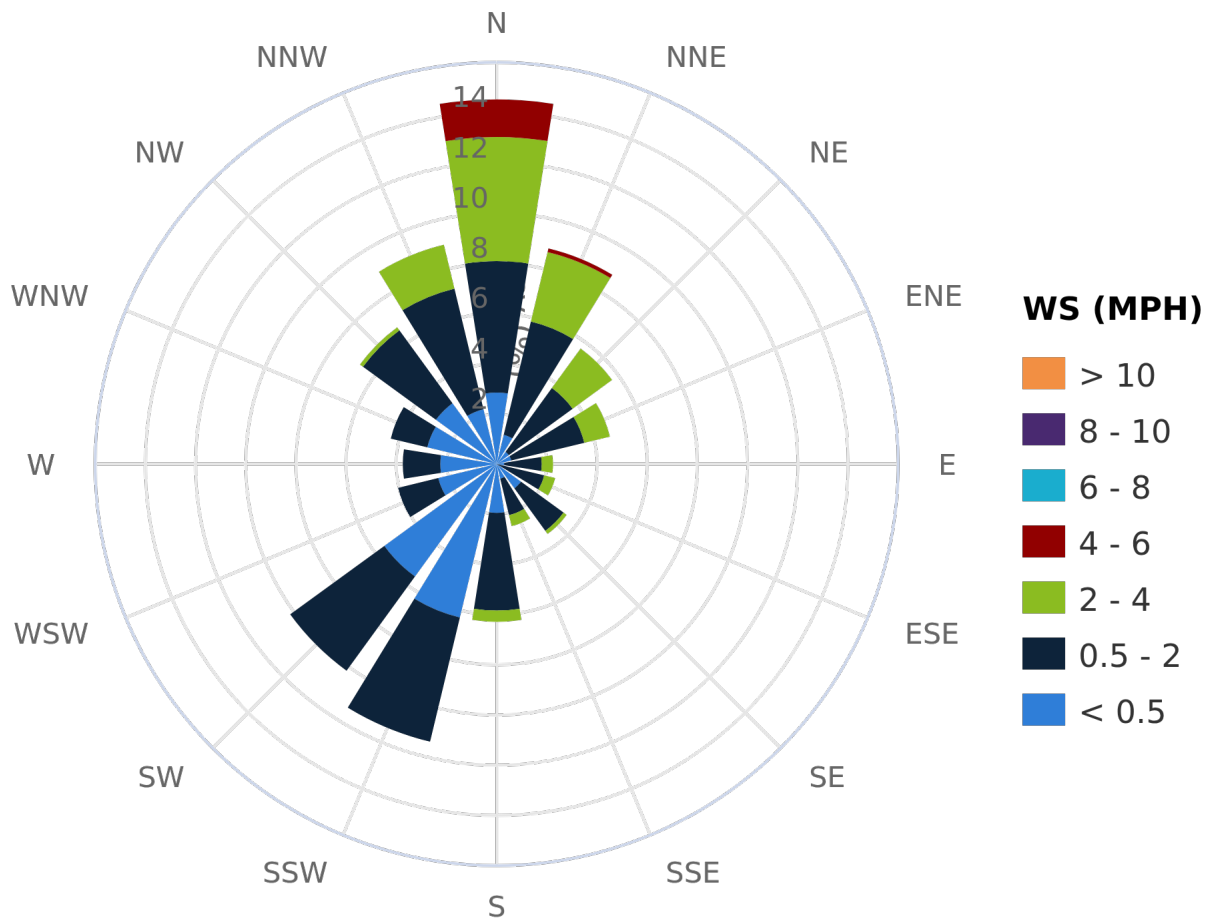


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

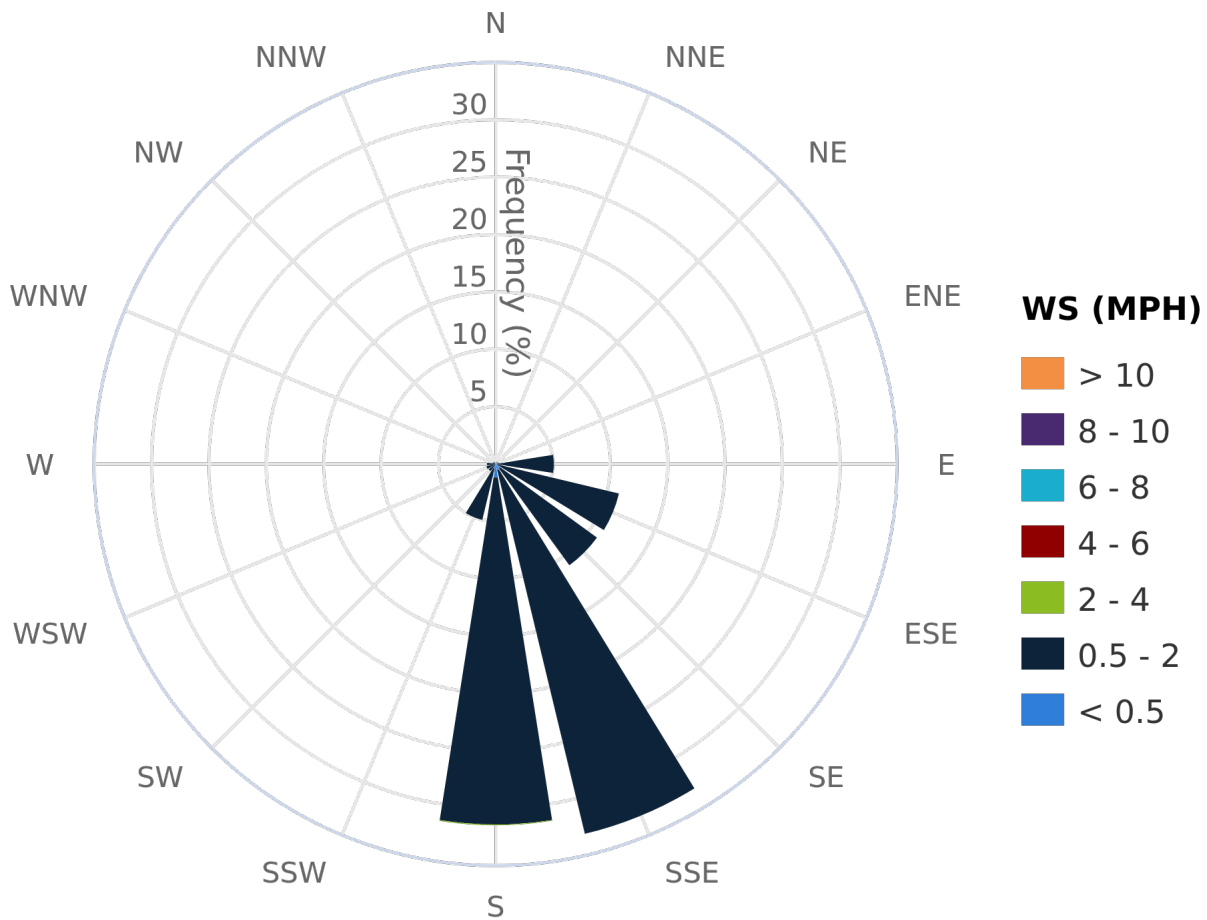


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

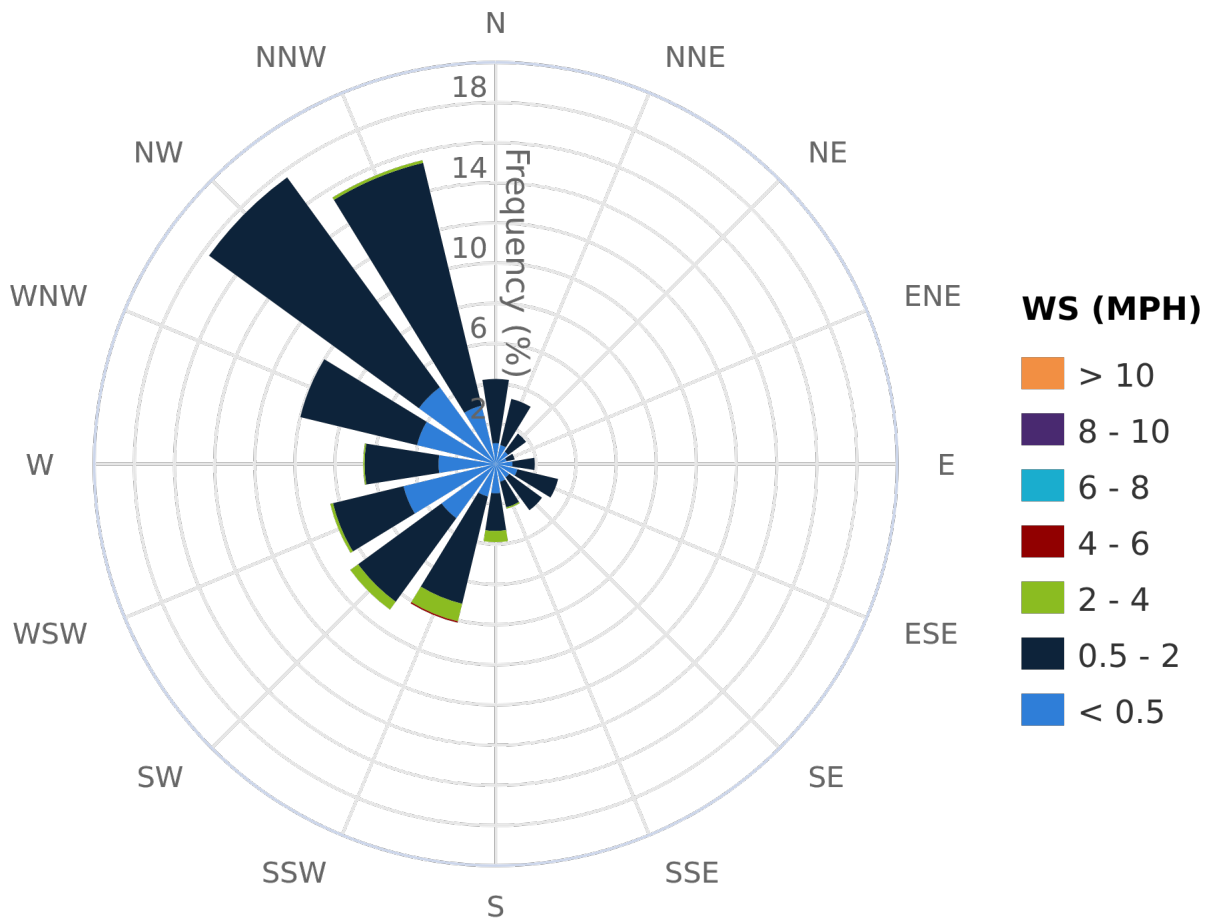


Figure 3 : Wind Rose Chart (WS in MPH)



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 3277 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3277 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3277 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00	11.1		8.7	8.6	6.3		4.3	4.7	0.000		0.006	0.000
00:15:00	9.3		8.5	7.6	4.8		4.2	4.8	0.000		0.004	0.000
00:30:00	9.2		8.9	8.3	4.8		4.5	4.8	0.000		0.003	0.000
00:45:00	10.4		9.9	9.6	5.4		5.3	5.4	0.000		0.003	0.000
01:00:00	12.7		12.2	12.4	7.5		7.5	7.4	0.000		0.002	0.000
01:15:00	16.2		14.7	14.4	10.0		9.2	9.3	0.000		0.000	0.000
01:30:00	18.0		17.2	15.5	11.7		10.2	11.4	0.000		0.000	0.000
01:45:00	19.0		19.9	18.1	12.6		12.1	13.2	0.000		0.000	0.000
02:00:00	20.9		21.4	21.5	14.0		14.7	14.7	0.000		0.000	0.000
02:15:00	23.2		22.5	22.4	15.7		15.4	15.6	0.000		0.000	0.000
02:30:00	23.5		24.8	23.2	16.2		15.9	17.3	0.000		0.000	0.000
02:45:00	24.4		25.7	24.8	16.8		16.8	18.1	0.000		0.000	0.000
03:00:00	25.4		26.7	26.1	17.6		17.4	18.7	0.000		0.000	0.000
03:15:00	24.3		25.8	23.9	16.6		15.9	18.6	0.000		0.001	0.000
03:30:00	21.0		24.6	20.1	13.9		13.3	17.7	0.000		0.003	0.000
03:45:00	17.3		22.2	16.5	10.9		10.7	15.6	0.000		0.000	0.000
04:00:00	14.7		17.6	15.4	9.5		10.1	12.1	0.000		0.000	0.000
04:15:00	14.0		15.4	15.9	8.8		10.0	10.3	0.000		0.000	0.000
04:30:00	15.8		15.6	15.3	9.5		9.8	10.6	0.000		0.000	0.000
04:45:00	14.8		16.5	15.0	9.1		9.6	10.7	0.000		0.000	0.000
05:00:00	14.6		15.8	13.4	9.4		9.0	10.1	0.000		0.000	0.000
05:15:00	14.3		15.2	13.5	9.2		8.8	10.4	0.000		0.000	0.000
05:30:00	14.8		16.9	13.8	9.8		9.2	11.5	0.000		0.000	0.000
05:45:00	16.5		19.8	17.5	11.1		11.8	14.0	0.000		0.000	0.000
06:00:00	19.9		21.0	19.9	13.5		13.6	14.8	0.000		0.000	0.000
06:15:00	22.0		20.1	19.7	14.7		13.2	14.3	0.000		0.000	0.000
06:30:00	20.6		19.3	17.8	13.5		11.9	13.2	0.000		0.000	0.000
06:45:00	19.2		18.4	17.1	12.6		11.2	12.6	0.000		0.000	0.000
07:00:00	18.2		17.3	15.6	11.6		10.4	11.6	0.000		0.000	0.000
07:15:00	23.1		16.1	14.5	11.4		9.7	10.9	0.000		0.000	0.000
07:30:00	15.9		16.1	13.7	10.1		9.0	10.5	0.000		0.000	0.000
07:45:00	16.9		16.8	13.1	10.2		8.5	10.7	0.000		0.000	0.000
08:00:00	18.7		15.8	13.6	10.6		8.5	10.2	0.000		0.000	0.000
08:15:00	15.8		14.4	14.8	9.4		8.9	9.4	0.000		0.000	0.000
08:30:00	17.3		16.0	15.0	10.0		9.0	9.8	0.000		0.000	0.000
08:45:00	17.9		16.9	16.7	11.2		9.9	10.9	0.000		0.000	0.000
09:00:00	19.4		16.5	16.0	12.6		9.9	11.0	0.000		0.000	0.000
09:15:00	20.3		16.1	15.8	12.9		9.5	10.7	0.000		0.000	0.000
09:30:00	21.2		16.2	15.9	13.9		9.7	10.6	0.000		0.000	0.000
09:45:00	17.7		17.6	17.1	10.7		10.6	11.7	0.000		0.000	0.000
10:00:00	15.9		17.2	16.5	9.5		10.2	11.3	0.000		0.000	0.000
10:15:00	15.3		17.1	16.1	9.2		10.0	11.2	0.000		0.000	0.000
10:30:00	15.0		14.2	13.9	8.6		8.4	9.0	0.000		0.000	0.000
10:45:00	14.7		14.0	14.2	7.8		8.5	8.3	0.000		0.000	0.000
11:00:00	14.2		13.3	13.7	6.8		7.8	7.5	0.000		0.000	0.000
11:15:00	13.0		12.2	11.8	6.1		6.0	6.2	0.000		0.000	0.000
11:30:00	12.0		10.9	10.9	5.4		5.0	5.3	0.001		0.000	0.000
11:45:00	11.2		9.4	9.6	4.4		4.0	3.9	0.000		0.000	0.001



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Table 3 : 15 Minute Average Concentrations (PM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 3277 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3277 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3277 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
12:00:00	10.1		9.1	9.4	3.6		3.6	3.6	0.000		0.000	0.000
12:15:00	10.6		9.0	9.4	3.7		3.5	3.5	0.000		0.000	0.000
12:30:00	10.5		8.9	9.5	3.6		3.5	3.4	0.000		0.000	0.000
12:45:00	10.1	10.3	8.5	9.1	3.5	3.9	3.4	3.2	0.000	0.121	0.000	0.000
13:00:00	9.7	7.7	7.9	8.5	3.3	3.1	3.2	3.0	0.000	0.000	0.000	0.000
13:15:00	9.3	6.9	7.6	8.2	3.2	2.9	3.1	3.0	0.000	0.002	0.000	0.000
13:30:00	9.1	6.3	7.5	8.0	3.1	2.7	3.1	2.9	0.000	0.005	0.000	0.000
13:45:00	8.7	6.5	8.0	7.8	3.1	2.8	3.0	3.0	0.000	0.009	0.000	0.000
14:00:00	8.5	7.0	8.2	8.0	3.0	2.9	3.0	3.0	0.000	0.007	0.000	0.000
14:15:00	8.4	6.9	7.2	7.5	3.0	2.9	2.9	2.9	0.000	0.005	0.000	0.000
14:30:00	8.1	6.6	7.0	7.0	3.0	2.9	2.8	2.7	0.000	0.000	0.000	0.000
14:45:00	7.5	6.2	7.0	7.1	2.8	2.7	2.8	2.8	0.000	0.000	0.000	0.000
15:00:00	7.6	6.4	6.8	7.2	2.8	2.8	2.8	2.7	0.000	0.000	0.000	0.000
15:15:00	8.4	6.6	7.0	6.9	3.0	2.9	2.8	2.7	0.000	0.000	0.000	0.000
15:30:00	7.8	6.6	6.8	6.7	2.8	2.8	2.7	2.7	0.000	0.000	0.000	0.000
15:45:00	8.4	6.5	7.0	7.1	2.9	2.9	2.8	2.7	0.000	0.000	0.000	0.000
16:00:00	8.2	6.5	6.7	6.9	3.0	2.9	2.7	2.7	0.000	0.000	0.000	0.000
16:15:00	9.4	6.5	6.5	6.8	3.2	2.9	2.7	2.7	0.000	0.000	0.000	0.000
16:30:00	7.5	10.4	6.4	6.8	2.8	6.6	2.7	2.6	0.000	0.000	0.000	0.000
16:45:00	7.1	6.4	6.9	6.5	2.6	3.0	2.6	2.7	0.000	0.000	0.000	0.000
17:00:00	6.7	6.0	6.8	6.4	2.6	2.6	2.6	2.5	0.000	0.000	0.000	0.000
17:15:00	8.4	5.9	6.6	6.1	2.7	2.7	2.5	2.5	0.000	0.000	0.000	0.000
17:30:00	7.0	5.7	6.6	6.1	2.7	2.6	2.5	2.5	0.000	0.000	0.000	0.003
17:45:00	7.3	5.4	7.2	6.8	2.7	2.6	3.1	2.5	0.000	0.000	0.000	0.007
18:00:00	6.4	5.3	8.1	7.1	2.6	2.6	3.5	2.7	0.000	0.000	0.000	0.007
18:15:00	6.5	6.1	8.2	5.8	2.6	3.0	2.6	2.6	0.000	0.000	0.000	0.008
18:30:00	8.8	7.0	8.8	8.6	2.8	3.5	2.9	2.8	0.000	0.004	0.000	0.009
18:45:00	6.1	9.2	8.3	8.3	2.5	4.6	2.7	2.7	0.007	0.002	0.001	0.004
19:00:00	7.2	7.8	9.1	14.9	2.8	4.1	3.5	2.9	0.018	0.002	0.007	0.004
19:15:00	6.5	8.1	9.7	7.9	2.7	4.5	2.8	3.0	0.016	0.001	0.015	0.001
19:30:00	6.6	6.6	7.3	6.1	2.7	3.3	2.7	3.3	0.016	0.000	0.016	0.000
19:45:00	9.3	7.7	7.9	7.7	4.1	4.0	3.5	3.2	0.014	0.000	0.022	0.000
20:00:00	9.5	9.0	8.9	9.0	4.2	5.0	4.3	3.3	0.007	0.000	0.022	0.000
20:15:00	9.3	10.6	9.9	8.7	4.5	6.3	4.2	3.4	0.000	0.000	0.022	0.000
20:30:00	9.7	37.7	9.5	9.5	4.6	29.8	4.6	3.3	0.000	0.000	0.021	0.000
20:45:00	12.4	64.1	9.2	11.9	5.1	53.1	4.8	3.7	0.000	0.000	0.021	0.000
21:00:00	10.1	56.6	11.7	15.6	4.6	47.9	7.3	6.3	0.000	0.000	0.021	0.000
21:15:00	9.8	48.3	17.0	12.8	4.7	41.0	6.3	10.6	0.000	0.000	0.017	0.000
21:30:00	9.6	23.1	18.7	10.6	4.5	17.5	5.5	10.7	0.000	0.000	0.015	0.000
21:45:00	9.5	31.3	17.1	11.0	4.5	24.0	6.1	10.0	0.000	0.000	0.016	0.000
22:00:00	9.4	13.9	13.7	13.1	4.5	9.5	7.2	8.3	0.000	0.000	0.015	0.000
22:15:00	9.0	14.4	12.8	12.7	4.3	10.3	6.6	7.5	0.000	0.000	0.013	0.000
22:30:00	8.5	14.6	12.0	11.6	4.1	10.5	6.0	6.5	0.000	0.000	0.012	0.000
22:45:00	8.3	15.1	11.6	10.5	4.1	10.9	5.5	5.6	0.000	0.000	0.011	0.000
23:00:00	9.0	14.4	11.3	9.4	4.4	10.5	4.9	5.2	0.000	0.000	0.008	0.000
23:15:00	13.7	12.5	13.9	23.2	6.9	8.7	13.7	5.4	0.000	0.000	0.004	0.000
23:30:00	11.6	12.3	17.1	13.9	5.6	8.5	8.0	5.9	0.000	0.000	0.002	0.000
23:45:00	9.3	11.4	13.2	14.0	4.6	7.8	8.3	5.3	0.000	0.000	0.003	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. 3277 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3277 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3277 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
20:45:00						53.1						
21:00:00						47.9						
21:15:00						41.0						