



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2026-07-28

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
0.089 to 6.957	2943 SSE	3061 SSW	2996 W	2997 NNW	Min : 72.32 Max : 101.1	Min : 52.20 Max : 93.80	Min : 28.02 Max : 51.49

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	29.0	53.0	15.6	20.9	0.009	0.077
2996	26.7	42.9	16.2	21.6	0.005	0.046
2997	32.5	78.9	16.5	28.3	0.005	0.059
3061	35.4	217.7	19.1	188.7	0.001	0.008

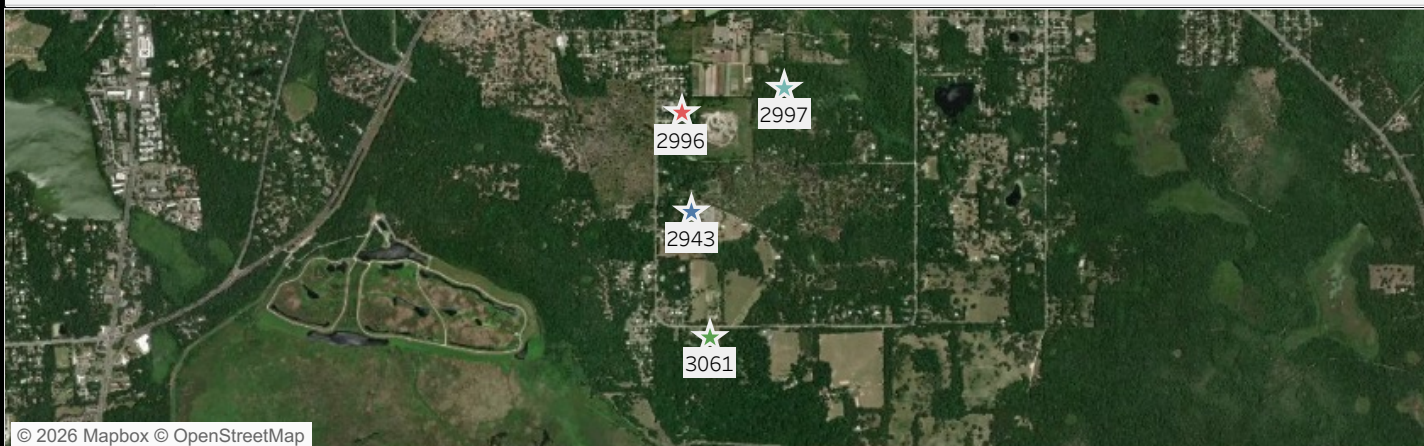


Figure 1 : Monitoring Locations

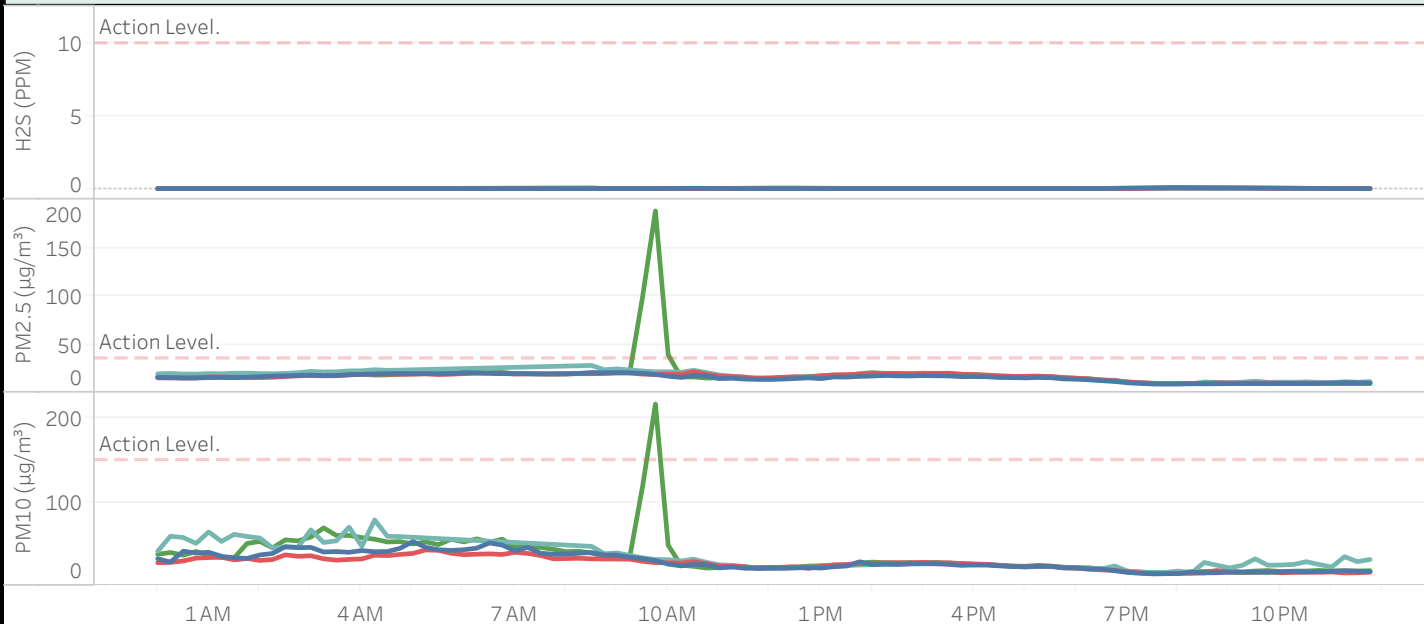


Figure 2 : 15 Minutes Average Concentrations

2943 2996 2997 3061



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Wind Rose Chart 2943

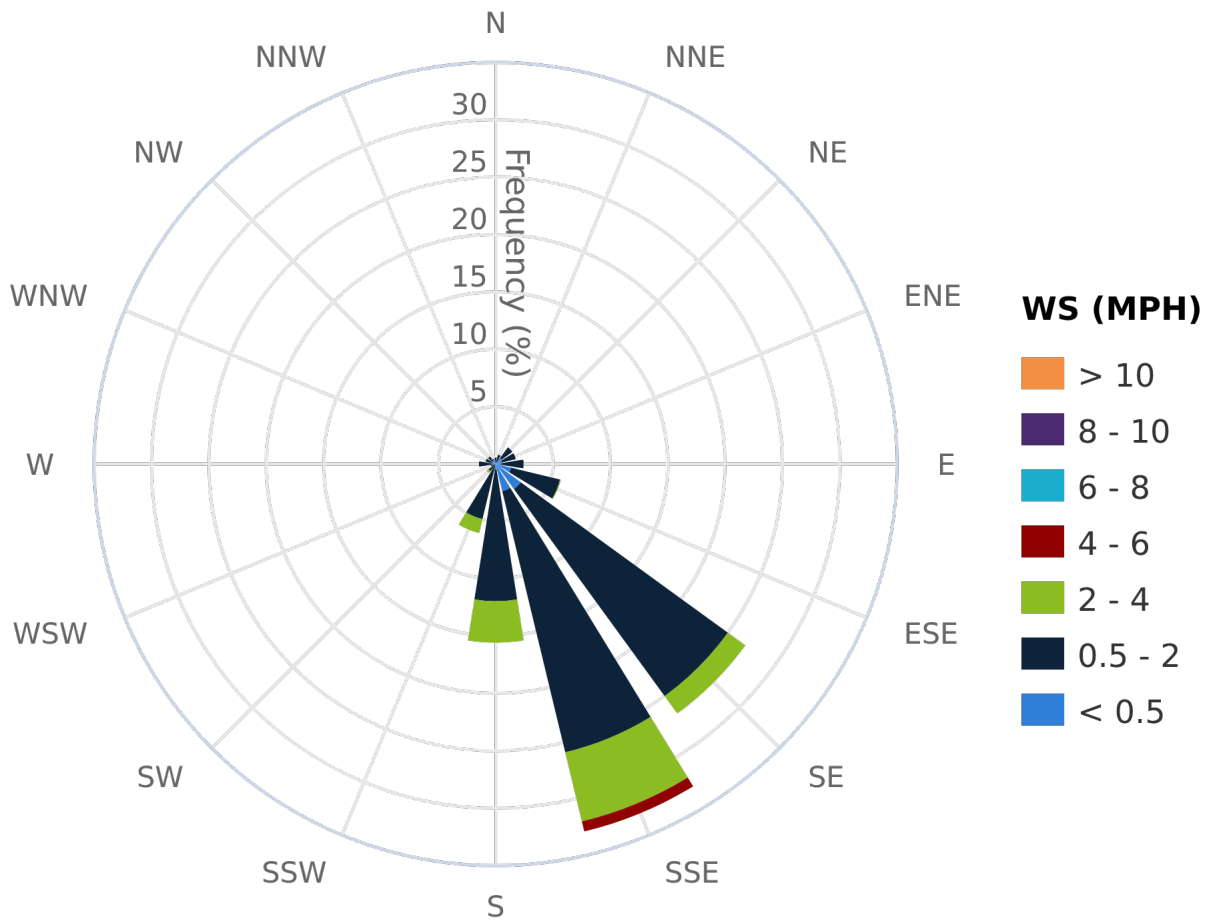


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 3061

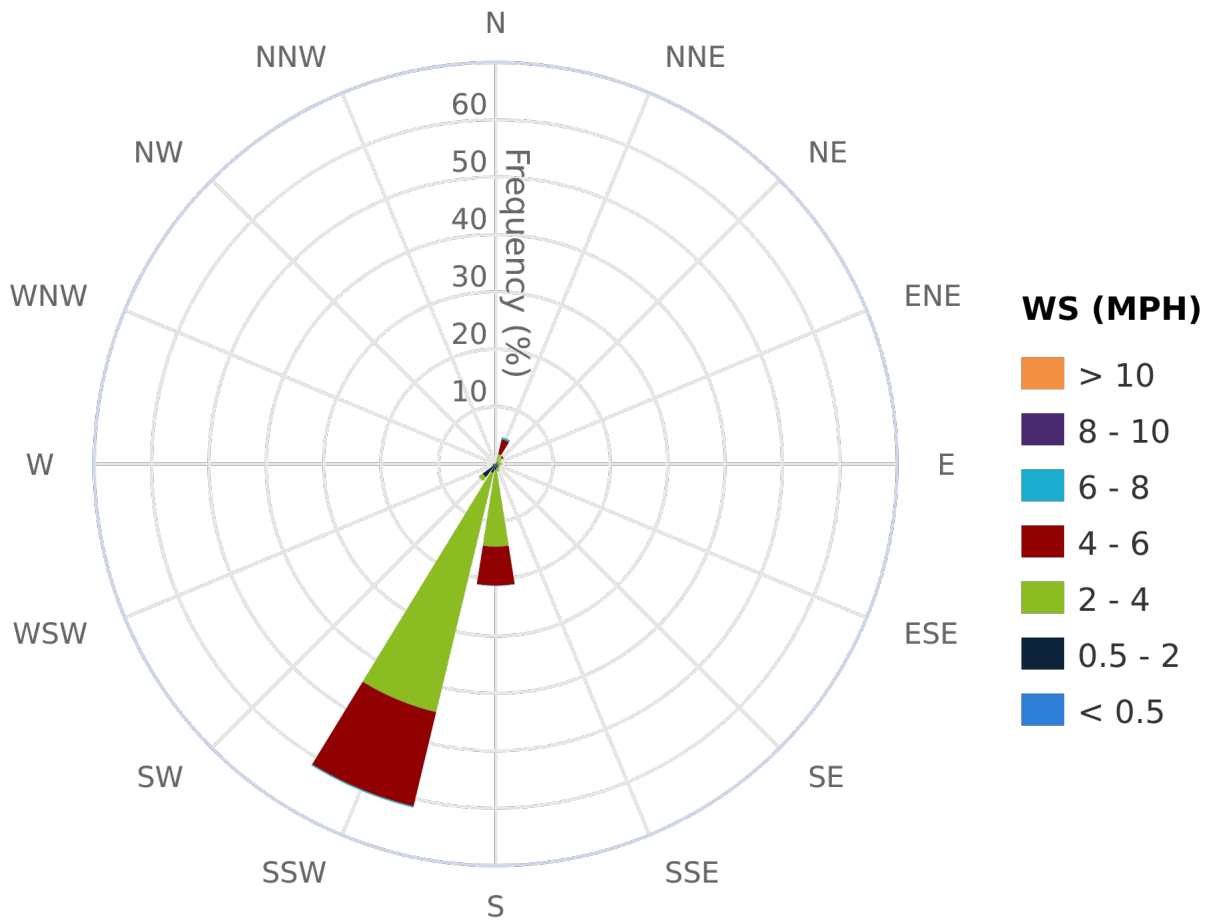


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

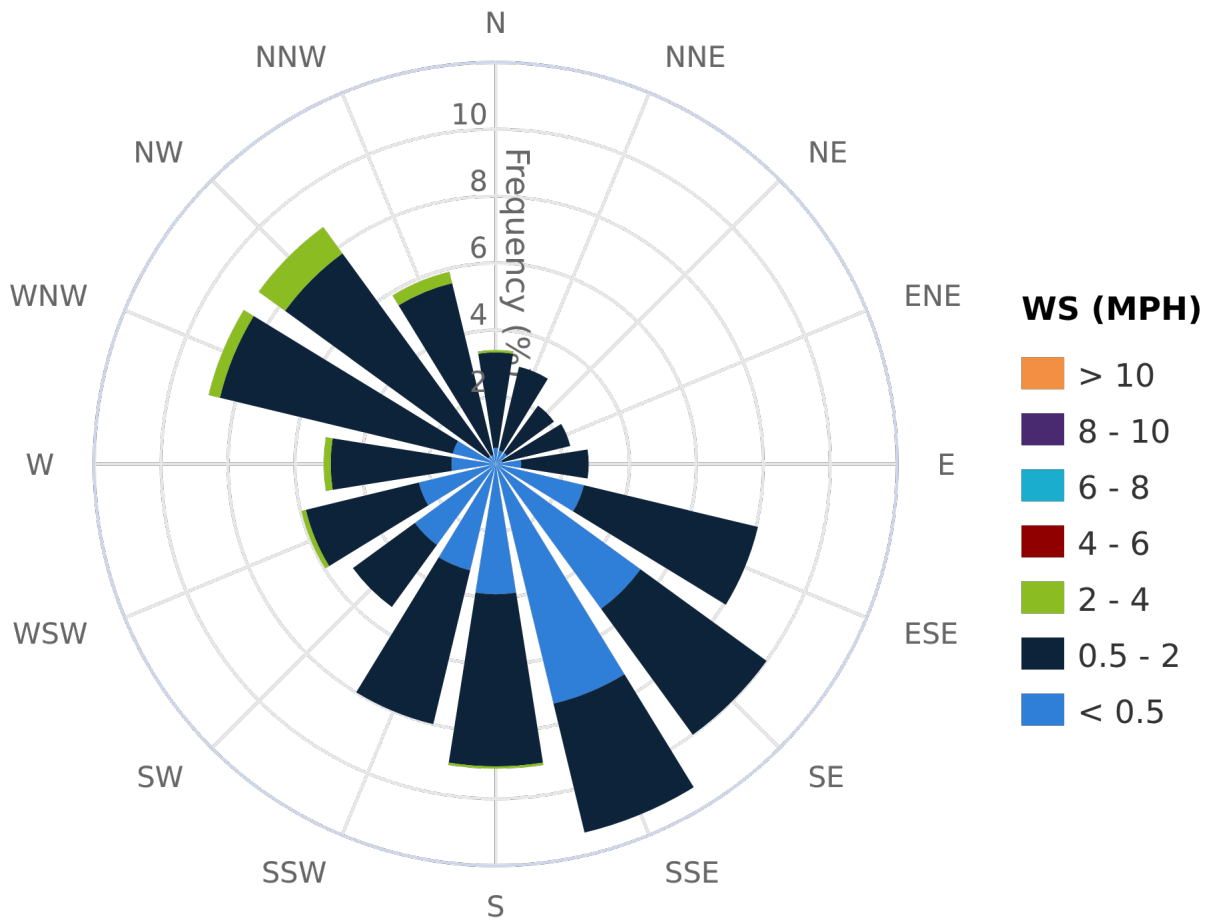


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

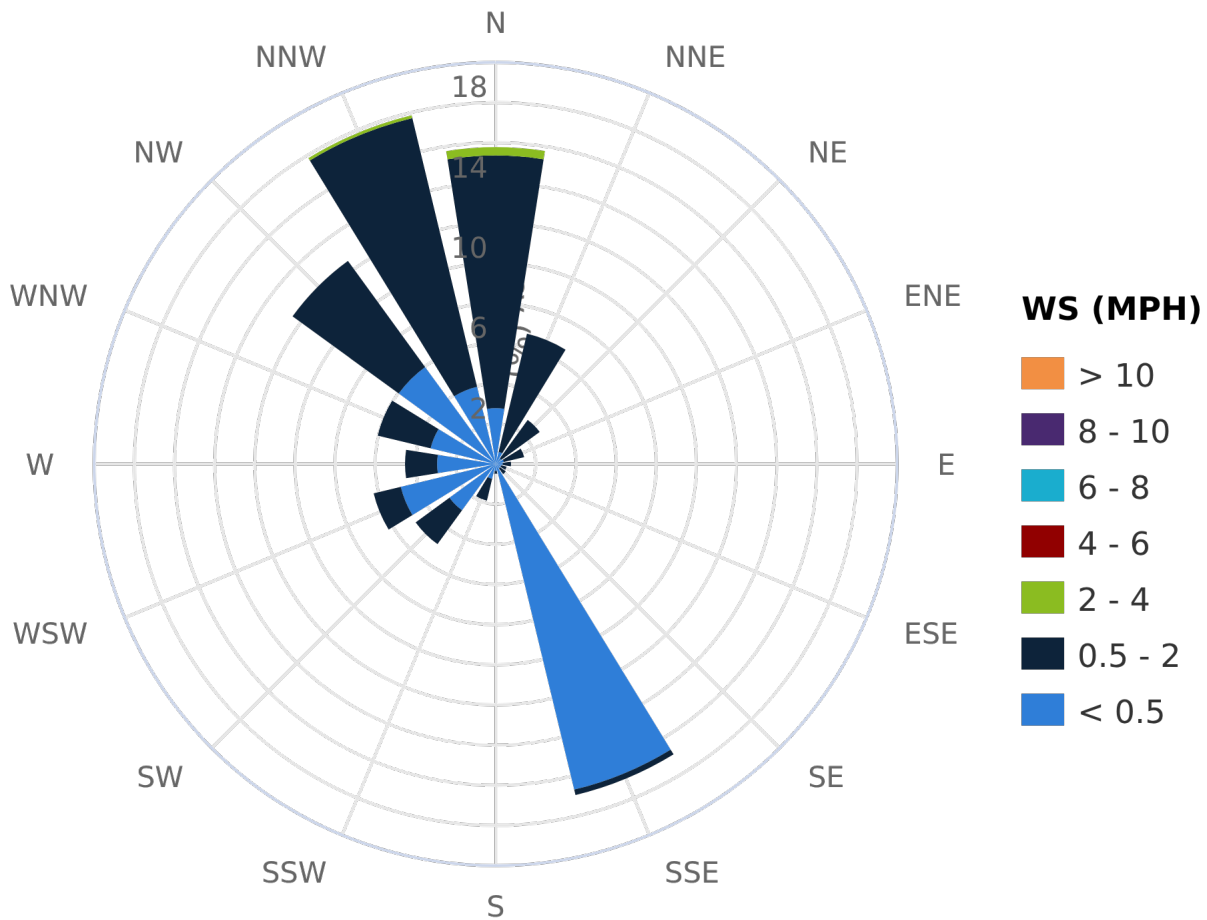


Figure 3 : Wind Rose Chart (WS in MPH)



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 3061 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3061 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3061 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00	32.4	37.7	41.4	27.6	15.8	16.4	15.4	19.6	0.000	0.000	0.000	0.000
00:15:00	28.3	39.9	59.4	28.0	15.7	15.7	15.2	19.9	0.000	0.000	0.000	0.000
00:30:00	41.4	36.7	57.8	29.7	15.3	15.3	15.2	19.4	0.000	0.000	0.000	0.000
00:45:00	39.2	41.1	50.8	33.2	15.3	15.3	15.4	19.2	0.000	0.000	0.000	0.000
01:00:00	40.1	36.6	64.5	33.8	15.8	15.6	16.2	19.8	0.000	0.000	0.000	0.000
01:15:00	35.3	33.9	53.1	34.2	15.9	16.0	16.3	19.5	0.000	0.000	0.000	0.000
01:30:00	33.5	33.5	61.6	31.1	15.6	15.8	15.9	20.2	0.000	0.000	0.000	0.000
01:45:00	32.8	50.7	59.1	32.7	15.9	16.5	15.9	20.2	0.000	0.000	0.000	0.000
02:00:00	36.9	53.2	57.2	30.3	16.6	18.0	15.7	19.8	0.000	0.000	0.000	0.000
02:15:00	38.8	45.3	45.4	31.4	17.3	16.8	16.0	19.7	0.000	0.000	0.000	0.000
02:30:00	46.9	55.0	46.3	37.0	17.5	17.2	16.7	20.0	0.000	0.000	0.000	0.000
02:45:00	45.7	53.8	46.3	35.3	17.8	19.1	17.4	20.7	0.000	0.000	0.000	0.000
03:00:00	46.0	58.3	66.9	36.0	18.2	18.2	17.8	22.1	0.000	0.000	0.000	0.000
03:15:00	40.5	69.4	51.9	32.3	17.7	18.8	17.4	21.5	0.000	0.000	0.000	0.000
03:30:00	41.0	60.3	53.8	30.7	17.9	18.2	17.6	21.7	0.000	0.000	0.000	0.000
03:45:00	40.1	60.3	70.2	31.6	18.6	19.3	18.4	22.6	0.000	0.000	0.000	0.000
04:00:00	42.2	57.7	47.3	32.2	19.0	19.2	19.0	22.7	0.000	0.000	0.000	0.000
04:15:00	40.8	55.8	78.9	36.6	19.3	18.3	19.3	23.8	0.000	0.000	0.000	0.000
04:30:00	41.0	52.5	59.2	36.1	19.7	18.4	19.2	23.2	0.000	0.000	0.000	0.000
04:45:00	44.9	52.9	58.9	37.6	19.9	19.2	19.0	23.4	0.000	0.000	0.000	0.000
05:00:00	53.0	50.0		38.8	19.8	19.6	19.1		0.000	0.000	0.000	
05:15:00	46.0	52.6		42.9	19.7	19.7	19.5		0.000	0.000	0.000	
05:30:00	43.1	49.3		42.4	19.7	19.7	18.8		0.000	0.000	0.000	
05:45:00	42.4	55.7		38.9	19.8	20.5	19.2		0.000	0.000	0.000	
06:00:00	43.2	52.6		37.3	20.7	21.1	19.8		0.000	0.000	0.000	
06:15:00	45.1	56.2		37.9	20.5	20.7	20.2		0.000	0.000	0.000	
06:30:00	51.4	52.3		38.2	20.1	20.8	20.1		0.000	0.000	0.000	
06:45:00	48.7	55.9		37.5	19.7	21.0	20.1		0.000	0.000	0.000	
07:00:00	41.9	46.3		40.0	19.7	19.8	19.3		0.000	0.000	0.000	
07:15:00	46.0	46.9		38.8	19.7	19.5	19.5		0.000	0.000	0.000	
07:30:00	39.0	45.9		36.3	19.4	19.3	19.6		0.000	0.000	0.000	
07:45:00	37.8	43.7		32.3	19.6	19.3	19.3		0.000	0.000	0.000	
08:00:00	37.9	40.9		32.6	19.6	19.4	19.5		0.000	0.000	0.000	
08:15:00	39.0	41.4		33.0	20.0	19.8	19.7		0.000	0.000	0.000	
08:30:00	39.8	39.2	47.2	32.3	20.9	20.3	19.6	28.3	0.000	0.000	0.000	0.059
08:45:00	36.9	35.5	38.4	32.1	20.7	20.4	19.9	23.8	0.000	0.000	0.000	0.004
09:00:00	36.7	35.2	39.3	32.0	20.9	20.9	20.3	24.7	0.000	0.000	0.000	0.004
09:15:00	34.1	35.2		31.9	20.6	21.5	20.4		0.000	0.000	0.000	
09:30:00	32.5	119.6	33.4	29.3	20.0	100.0	19.2	22.5	0.000	0.000	0.000	0.010
09:45:00	30.1	217.7	31.5	27.7	18.9	188.7	18.9	21.6	0.002	0.000	0.000	0.000
10:00:00	26.0	48.5	31.3	27.6	17.1	39.3	19.2	21.7	0.012	0.000	0.000	0.000
10:15:00	23.8	24.7	29.8	27.1	15.8	16.4	19.1	21.2	0.019	0.000	0.000	0.000
10:30:00	25.7	23.3	31.9	28.9	17.7	16.2	21.6	23.2	0.021	0.000	0.000	0.000
10:45:00	25.2	21.3	28.2	26.5	17.6	15.2	19.3	20.9	0.019	0.000	0.000	0.000
11:00:00	21.4	21.8	25.1	23.6	14.6	15.3	17.2	18.3	0.014	0.000	0.000	0.001
11:15:00	22.4	24.1	24.4	23.6	15.0	15.5	16.7	17.1	0.006	0.000	0.000	0.011
11:30:00	21.1	21.3	23.1	22.8	14.1	14.8	16.1	16.2	0.000	0.000	0.000	0.028
11:45:00	20.8	22.0	21.0	20.9	13.8	15.3	14.7	14.5	0.000	0.000	0.000	0.036



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Table 3 : 15 Minute Average Concentrations (PM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 3061 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3061 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3061 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
12:00:00	21.3	22.0	20.6	21.8	13.7	15.1	15.3	14.5	0.000	0.000	0.000	0.048
12:15:00	20.9	22.1	21.5	22.2	14.1	15.5	16.0	15.3	0.000	0.000	0.000	0.050
12:30:00	21.4	22.5	21.5	22.7	14.7	16.3	16.5	15.6	0.000	0.000	0.000	0.049
12:45:00	21.7	23.5	22.2	20.8	15.3	16.7	15.6	16.0	0.000	0.000	0.000	0.035
13:00:00	21.3	24.1	22.5	23.3	14.6	17.6	17.4	16.4	0.000	0.000	0.000	0.031
13:15:00	22.8	24.6	23.2	25.2	16.3	17.9	18.6	16.7	0.000	0.000	0.000	0.024
13:30:00	23.7	24.7	24.2	25.5	16.1	18.0	18.7	17.2	0.000	0.000	0.000	0.009
13:45:00	28.8	27.2	24.8	26.5	17.0	19.6	19.2	17.2	0.000	0.000	0.000	0.000
14:00:00	25.2	28.4	25.3	26.9	17.2	20.8	19.6	17.7	0.000	0.000	0.000	0.000
14:15:00	26.1	27.6	25.6	27.6	17.9	20.0	20.0	17.9	0.000	0.000	0.000	0.000
14:30:00	25.7	27.2	25.6	27.7	17.4	19.2	20.0	17.9	0.000	0.000	0.000	0.000
14:45:00	26.2	27.9	26.3	27.4	17.4	19.7	19.6	17.8	0.000	0.000	0.000	0.000
15:00:00	26.4	27.2	26.5	28.1	17.7	19.5	20.2	18.3	0.000	0.000	0.000	0.000
15:15:00	26.3	28.1	26.5	27.2	17.5	20.1	19.9	18.2	0.000	0.000	0.000	0.000
15:30:00	25.6	26.8	26.7	27.7	17.4	19.6	20.1	18.4	0.000	0.000	0.000	0.000
15:45:00	24.5	26.7	25.8	26.5	16.6	19.1	19.1	17.8	0.000	0.000	0.000	0.000
16:00:00	24.9	25.8	25.0	26.0	16.7	18.6	18.7	17.5	0.000	0.000	0.000	0.000
16:15:00	24.7	25.8	25.4	25.4	16.5	18.0	18.2	17.5	0.000	0.000	0.000	0.000
16:30:00	23.8	24.3	24.4	24.5	15.7	17.2	17.4	16.5	0.000	0.000	0.000	0.000
16:45:00	23.1	23.6	23.1	23.5	15.6	16.9	17.0	16.2	0.000	0.000	0.000	0.000
17:00:00	22.6	23.5	22.6	22.9	15.3	17.1	16.6	15.7	0.000	0.000	0.000	0.000
17:15:00	23.3	24.4	23.2	23.7	15.8	17.2	16.9	16.2	0.000	0.000	0.000	0.000
17:30:00	23.1	23.5	23.4	23.4	15.4	16.6	16.6	16.0	0.000	0.000	0.000	0.000
17:45:00	21.5	22.3	21.9	21.4	14.3	15.8	15.3	14.9	0.001	0.000	0.000	0.000
18:00:00	21.6	21.7	21.5	20.9	14.0	15.0	14.9	14.3	0.003	0.000	0.000	0.000
18:15:00	20.0	21.5	20.5	20.0	13.3	14.5	14.1	13.8	0.004	0.001	0.000	0.000
18:30:00	20.0	19.7	20.3	19.0	12.4	13.1	13.0	13.0	0.004	0.002	0.000	0.000
18:45:00	18.0	19.2	23.7	18.5	11.6	12.2	12.3	13.0	0.025	0.004	0.000	0.000
19:00:00	15.9	17.5	17.5	16.7	10.2	11.2	10.9	10.8	0.037	0.005	0.000	0.000
19:15:00	15.0	16.5	16.4	15.4	9.5	10.3	10.3	10.0	0.052	0.006	0.013	0.004
19:30:00	14.3	15.8	15.7	14.4	9.0	9.7	9.7	9.5	0.060	0.007	0.026	0.004
19:45:00	14.5	15.5	16.2	14.5	8.8	9.3	9.4	9.3	0.072	0.008	0.039	0.006
20:00:00	14.7	16.0	17.6	14.8	8.9	9.4	9.5	9.5	0.077	0.007	0.046	0.005
20:15:00	16.5	16.8	15.1	15.0	9.2	9.5	9.6	9.2	0.070	0.007	0.043	0.004
20:30:00	15.5	17.2	27.9	15.3	9.1	9.8	9.6	11.1	0.064	0.006	0.041	0.003
20:45:00	15.6	17.6	24.6	18.2	9.2	9.7	10.1	10.7	0.063	0.005	0.043	0.002
21:00:00	16.1	17.3	21.4	16.5	9.3	9.7	10.0	10.4	0.058	0.005	0.043	0.001
21:15:00	16.2	16.6	24.6	16.0	9.4	9.7	9.7	10.9	0.052	0.004	0.040	0.000
21:30:00	16.2	17.7	32.3	16.2	9.4	9.7	9.9	11.9	0.044	0.003	0.037	0.000
21:45:00	16.0	18.2	24.6	16.7	9.3	9.7	10.0	10.8	0.041	0.003	0.031	0.000
22:00:00	16.7	17.0	24.9	15.6	9.5	9.7	9.7	10.9	0.034	0.002	0.027	0.000
22:15:00	17.1	17.6	25.6	15.9	9.6	9.7	9.6	10.8	0.026	0.001	0.023	0.000
22:30:00	16.4	17.7	28.8	16.4	9.4	9.6	9.9	11.2	0.018	0.000	0.019	0.000
22:45:00	17.0	18.4	25.5	16.1	9.6	9.5	9.8	10.7	0.010	0.000	0.015	0.000
23:00:00	17.4	17.7	22.5	16.5	10.0	9.5	9.8	10.5	0.004	0.000	0.012	0.000
23:15:00	18.1	17.8	34.9	15.4	10.4	9.7	9.4	11.3	0.000	0.000	0.007	0.000
23:30:00	17.5	17.6	28.9	15.5	10.3	9.8	9.4	10.8	0.000	0.000	0.006	0.000
23:45:00	17.0	18.1	31.5	16.2	10.0	9.7	9.6	11.5	0.000	0.000	0.004	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. 3061 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 3061 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 3061 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
09:30:00						100.0						
09:45:00		217.7				188.7						
10:00:00						39.3						