



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-18

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.04500 Max : 14.52	2943 ESE	2995 NNE	2996 ESE	2997 NNE	Min : 60.62 Max : 98.06	Min : 39.70 Max : 93.20	Min : 29.92 Max : 30.11

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	20.2	169.4	7.2	27.8	-0.107	0.047
2995	96.2	231.3	73.2	92.0	0.004	0.042
2996	12.9	28.3	6.7	13.7	0.007	0.070
2997	12.8	26.8	6.9	8.5	0.001	0.011

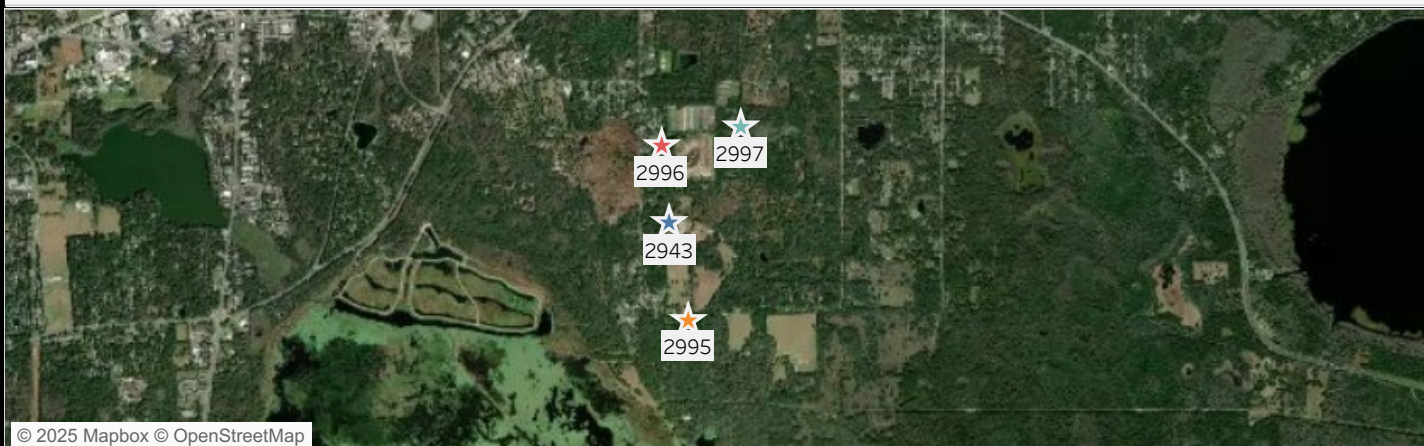
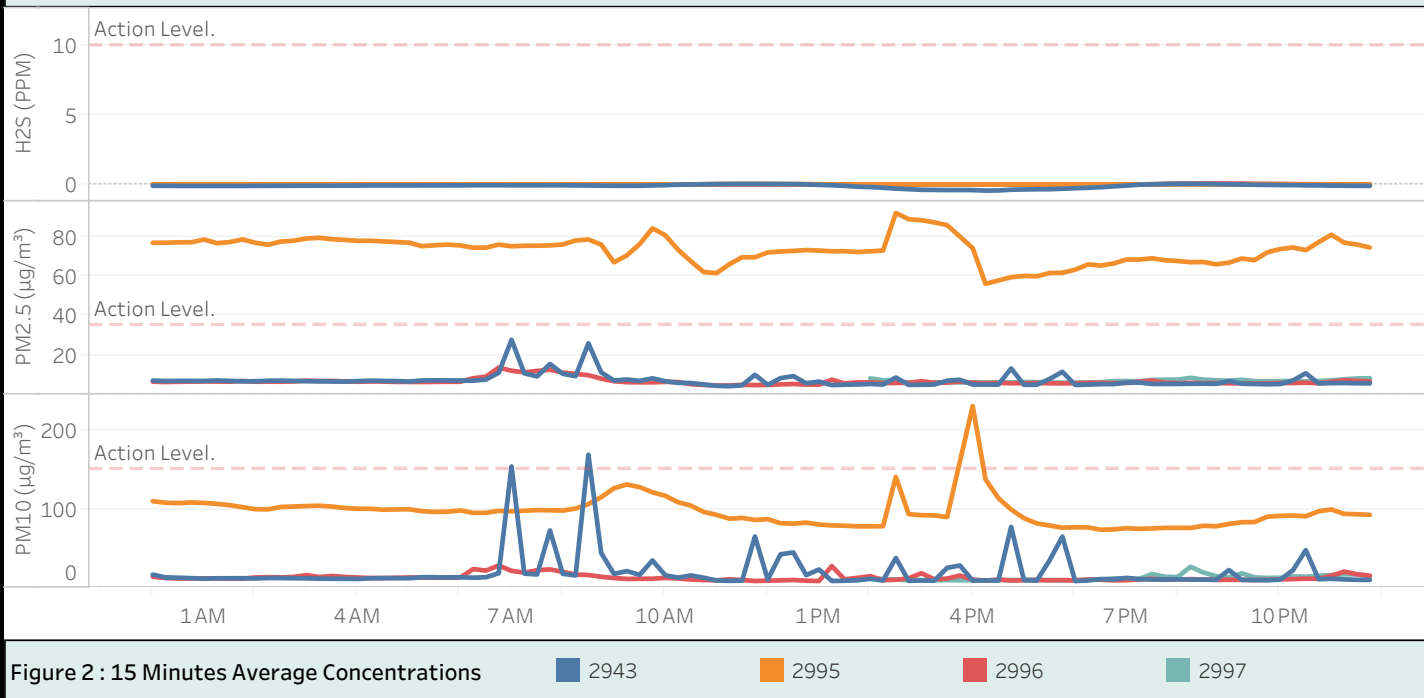


Figure 1 : Monitoring Locations





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Wind Rose Chart 2943

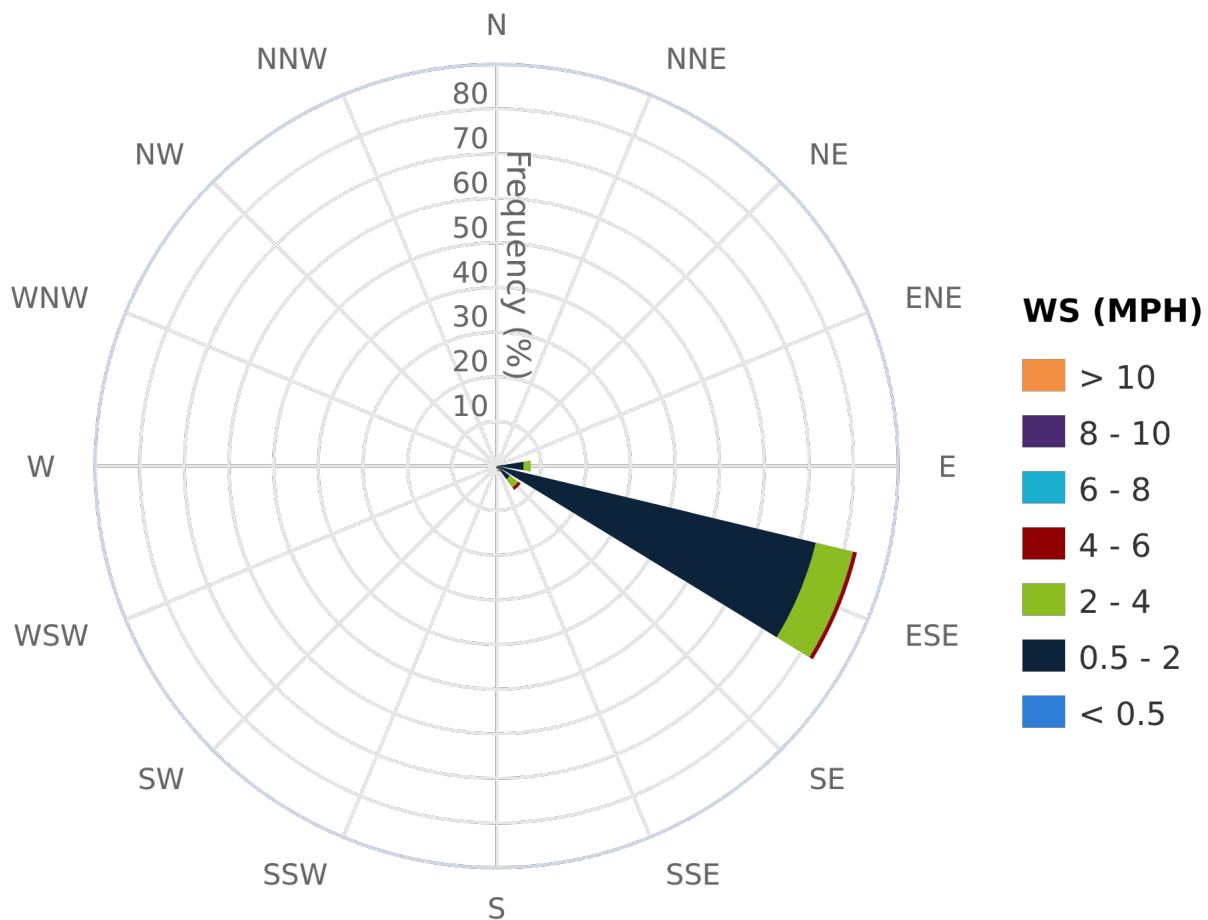


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

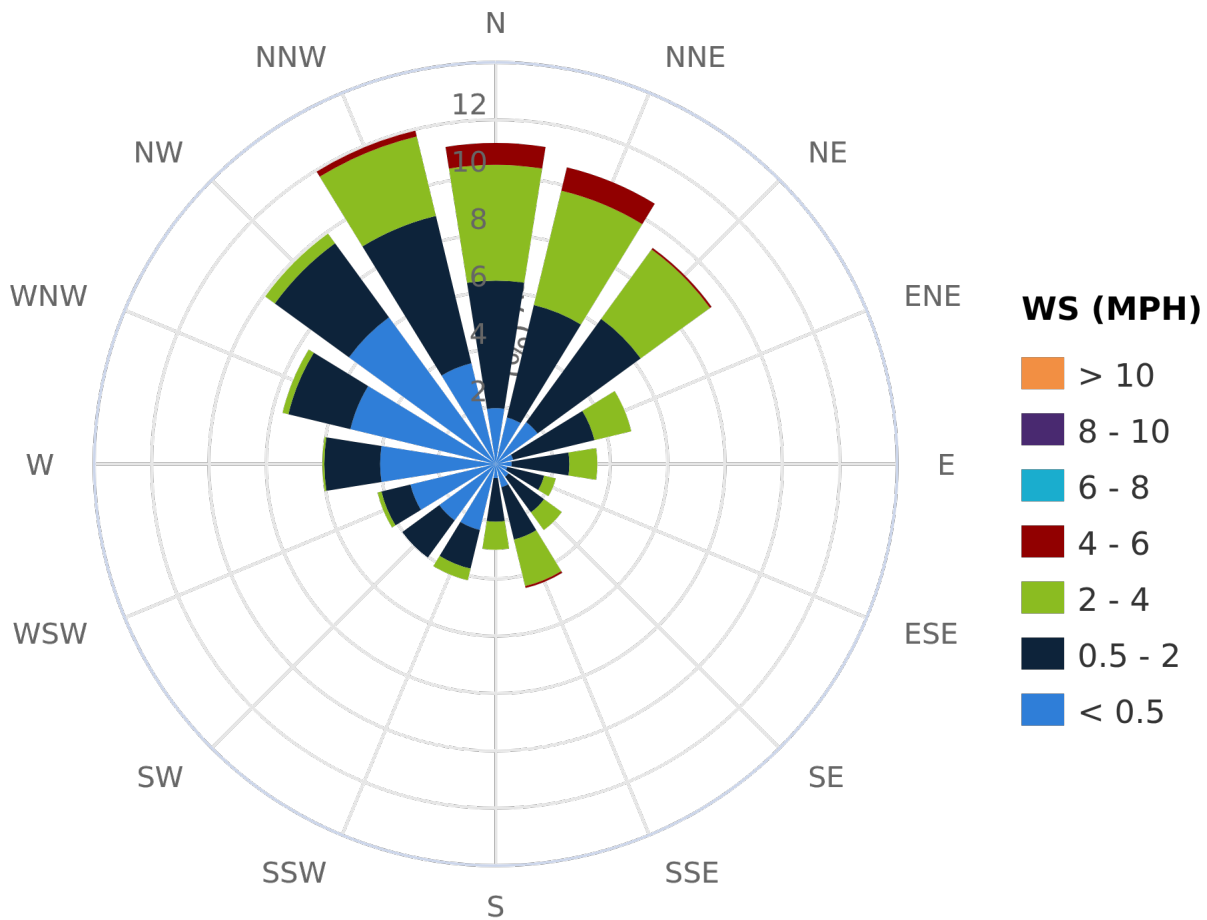


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

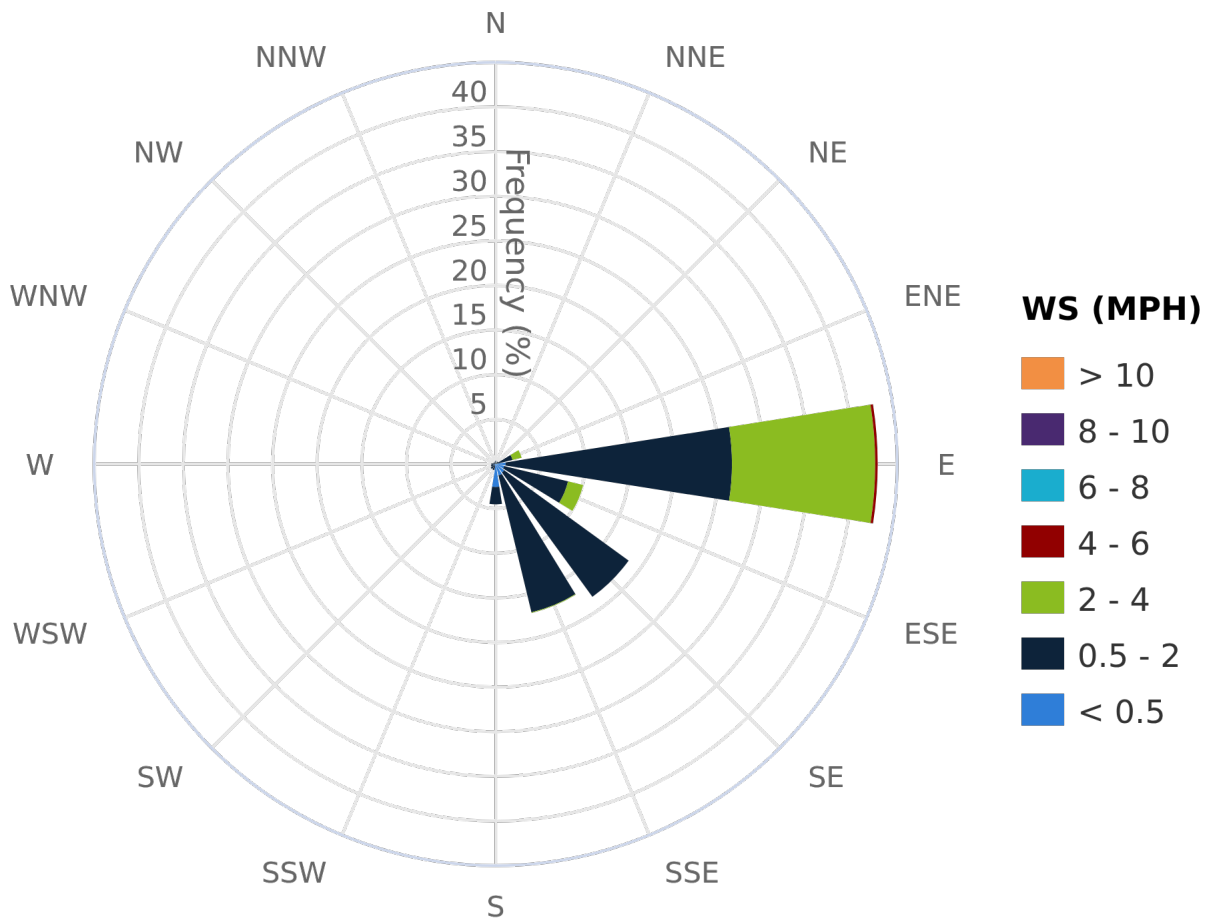


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

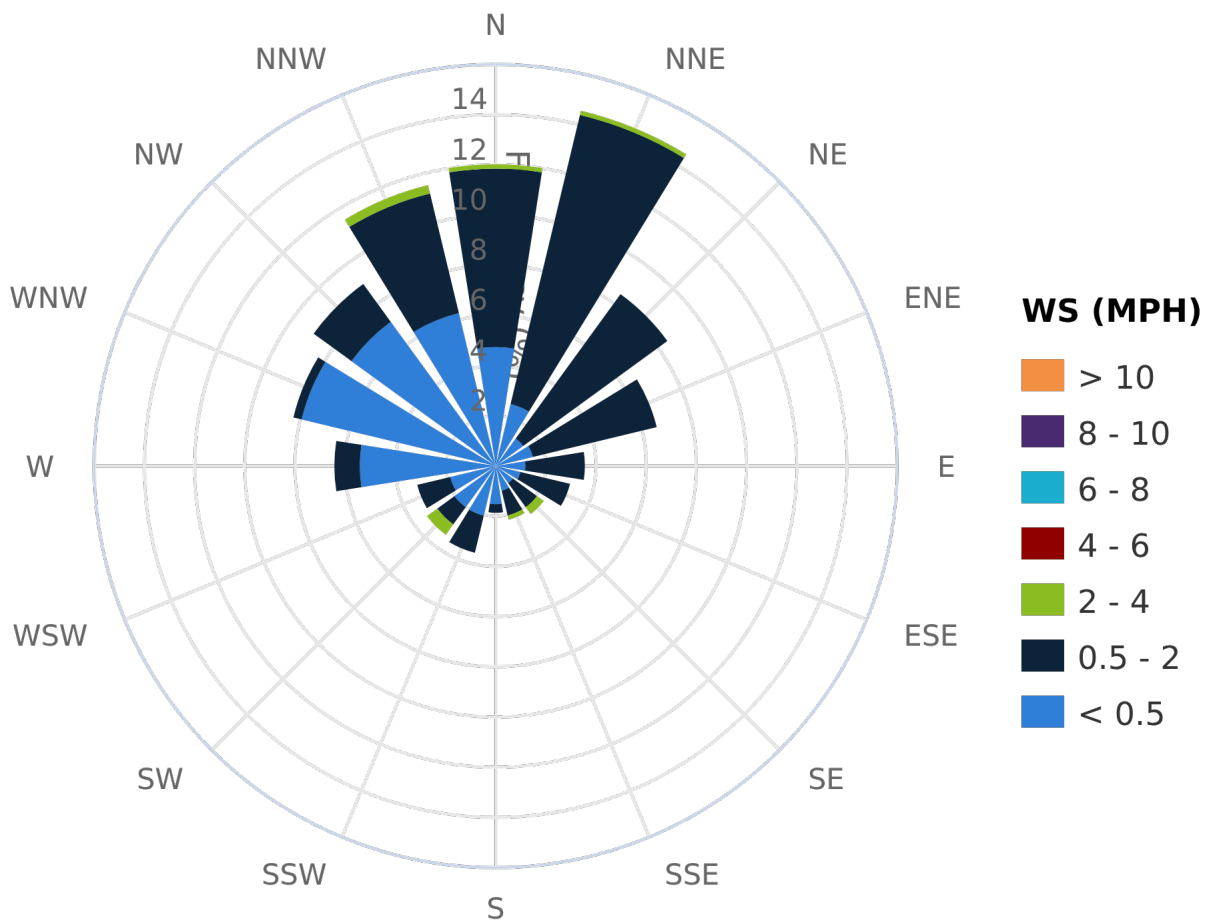


Figure 3 : Wind Rose Chart (WS in MPH)



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 2995 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2995 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2995 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00	16.7	110.2		14.0	7.2	76.9	6.6		-0.094	0.000	0.004	
00:15:00	13.2	108.2		12.5	6.9	77.0	6.4		-0.097	0.000	0.002	
00:30:00	12.8	107.8		11.7	7.0	77.1	6.5		-0.105	0.000	0.000	
00:45:00	12.3	108.6		11.9	7.0	77.2	6.6		-0.105	0.000	0.000	
01:00:00	11.5	108.0		11.9	6.9	78.6	6.7		-0.106	0.000	0.000	
01:15:00	12.1	106.9		12.0	7.2	76.7	6.6		-0.104	0.000	0.000	
01:30:00	12.1	105.2		11.5	7.0	77.3	6.6		-0.105	0.000	0.000	
01:45:00	12.1	102.6		11.6	6.7	78.6	6.9		-0.107	0.000	0.000	
02:00:00	11.8	100.0		13.1	6.8	76.9	6.5		-0.100	0.000	0.000	
02:15:00	12.4	99.8		13.4	7.0	76.0	6.6		-0.095	0.000	0.000	
02:30:00	12.4	102.9		13.2	7.1	77.5	6.5		-0.093	0.000	0.000	
02:45:00	12.2	103.4		13.8	7.0	78.0	6.7		-0.089	0.000	0.000	
03:00:00	12.0	104.1		16.0	6.8	79.1	7.1		-0.089	0.000	0.000	
03:15:00	11.6	104.5		13.7	6.7	79.4	6.9		-0.087	0.000	0.000	
03:30:00	11.5	103.3		15.0	6.7	78.7	6.9		-0.085	0.000	0.000	
03:45:00	11.4	101.5		13.8	6.6	78.4	6.7		-0.082	0.000	0.000	
04:00:00	11.2	100.7		13.0	6.9	77.9	6.5		-0.078	0.000	0.000	
04:15:00	12.0	100.6		12.4	7.1	78.0	6.7		-0.070	0.000	0.000	
04:30:00	12.3	99.4		12.3	7.0	77.6	6.6		-0.071	0.000	0.000	
04:45:00	12.2	99.7		12.7	6.9	77.3	6.5		-0.068	0.000	0.000	
05:00:00	12.1	99.9		13.1	6.7	77.0	6.4		-0.068	0.000	0.000	
05:15:00	13.4	97.5		13.1	7.2	75.2	6.4		-0.065	0.000	0.000	
05:30:00	13.4	96.6		12.8	7.3	75.7	6.5		-0.065	0.000	0.000	
05:45:00	13.1	96.8		12.8	7.2	76.0	6.5		-0.064	0.000	0.000	
06:00:00	13.4	98.4		13.0	7.2	75.6	6.5		-0.063	0.000	0.000	
06:15:00	12.8	95.4		23.8	7.1	74.5	8.3		-0.057	0.000	0.000	
06:30:00	13.4	95.5		21.9	7.7	74.5	9.1		-0.052	0.000	0.000	
06:45:00	18.5	97.8		28.3	11.1	76.0	13.7		-0.056	0.000	0.000	
07:00:00	154.4	97.3		21.5	27.8	75.2	12.1		-0.060	0.000	0.000	
07:15:00	18.0	98.1		19.2	10.8	75.4	11.3		-0.061	0.000	0.000	
07:30:00	16.9	98.9		22.4	9.2	75.4	12.0		-0.060	0.000	0.000	
07:45:00	73.0	98.7		23.4	15.5	75.6	12.6		-0.058	0.000	0.000	
08:00:00	17.8	98.3		20.3	10.6	76.1	11.1		-0.058	0.000	0.000	
08:15:00	15.7	100.9		16.8	9.3	78.1	10.5		-0.066	0.000	0.000	
08:30:00	169.4	106.5		16.3	26.0	78.6	9.8		-0.074	0.000	0.000	
08:45:00	44.1	115.4		14.0	11.3	76.0	8.1		-0.082	0.000	0.000	
09:00:00	17.7	126.8		12.4	7.1	67.0	6.8		-0.091	0.000	0.000	
09:15:00	21.2	131.5		11.2	7.7	70.5	6.3		-0.095	0.000	0.000	
09:30:00	16.4	128.1		11.5	7.0	76.2	6.2		-0.090	0.000	0.000	
09:45:00	34.8	121.5		11.5	8.2	84.2	6.2		-0.072	0.000	0.000	
10:00:00	15.9	117.2		12.6	6.8	80.8	6.5		-0.049	0.000	0.000	
10:15:00	12.9	108.9		11.9	6.0	73.4	6.4		-0.016	0.000	0.000	
10:30:00	15.7	104.6		10.5	5.9	67.6	5.3		-0.002	0.003	0.000	
10:45:00	12.8	96.6		9.9	5.2	62.1	4.9		0.014	0.017	0.000	
11:00:00	9.3	92.8		9.4	4.4	61.5	4.6		0.027	0.033	0.000	
11:15:00	8.8	87.9		10.8	4.3	66.1	4.6		0.038	0.037	0.000	
11:30:00	9.1	88.9		9.9	4.7	69.6	5.0		0.039	0.042	0.000	
11:45:00	65.3	86.4		8.6	10.1	69.6	4.8		0.039	0.042	0.000	



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 2995 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2995 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2995 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
12:00:00	10.5	87.3		9.0	4.9	72.0	4.9		0.034	0.038	0.000	
12:15:00	42.6	82.2		9.4	8.3	72.5	5.2		0.036	0.031	0.000	
12:30:00	45.0	81.6		9.9	9.4	72.8	5.4		0.026	0.028	0.000	
12:45:00	16.1	82.9		9.0	5.8	73.2	5.1		0.008	0.026	0.000	
13:00:00	23.3	80.6		8.6	6.6	73.0	5.1		-0.028	0.016	0.000	
13:15:00	8.7	79.4		27.6	4.8	72.6	7.6		-0.057	0.007	0.000	
13:30:00	9.0	79.0		10.7	5.0	72.7	5.7		-0.099	0.001	0.000	
13:45:00	9.5	78.2		12.6	5.2	72.3	6.2		-0.159	0.000	0.000	
14:00:00	11.4	78.2	12.6	14.7	5.4	72.6	6.2	8.2	-0.185	0.000	0.000	0.002
14:15:00	9.3	78.4	11.0	9.7	5.1	73.0	5.9	7.3	-0.234	0.000	0.000	0.000
14:30:00	37.8	141.1	10.6	10.2	8.7	92.0	5.9	6.7	-0.295	0.000	0.000	0.000
14:45:00	8.9	93.8	9.5	11.9	4.9	88.8	6.0	6.2	-0.339	0.000	0.000	0.000
15:00:00	9.2	92.4	9.9	18.5	5.0	88.4	6.7	6.2	-0.382	0.000	0.000	0.000
15:15:00	9.1	92.1	9.6	10.8	5.1	87.3	6.0	6.2	-0.390	0.000	0.000	0.000
15:30:00	25.4	90.0	9.7	11.7	7.1	85.9	6.1	6.3	-0.400	0.000	0.000	0.000
15:45:00	28.4		9.5	15.5	7.5		6.6	6.2	-0.400	0.000	0.000	0.000
16:00:00	9.1	231.3	9.5	10.4	5.1	74.2	6.0	6.2	-0.402	0.000	0.000	0.000
16:15:00	9.4	137.9	9.1	9.2	5.1	56.1	5.8	6.1	-0.439	0.000	0.000	0.000
16:30:00	9.1	114.2	10.1	10.4	5.1	57.8	5.9	6.3	-0.428	0.000	0.000	0.000
16:45:00	77.5	99.6	9.8	9.3	13.3	59.5	5.8	6.2	-0.377	0.000	0.000	0.000
17:00:00	9.8	88.6	10.0	9.7	5.0	60.1	5.8	6.4	-0.358	0.000	0.000	0.000
17:15:00	9.1	82.0	10.1	9.9	5.0	60.0	5.9	6.3	-0.345	0.000	0.000	0.000
17:30:00	34.9	79.2	9.7	9.5	7.9	61.6	5.8	6.1	-0.338	0.000	0.000	0.000
17:45:00	65.1	76.4	9.6	9.7	11.6	61.7	5.7	6.1	-0.308	0.000	0.000	0.000
18:00:00	8.6	77.1	9.3	9.4	4.9	63.3	5.8	6.0	-0.271	0.000	0.000	0.000
18:15:00	9.3	76.9	10.3	10.5	5.1	66.0	6.0	6.2	-0.237	0.000	0.000	0.000
18:30:00	11.1	73.9	10.5	10.3	5.3	65.4	6.0	6.3	-0.197	0.000	0.000	0.000
18:45:00	10.6	74.3	12.0	9.5	5.4	66.4	5.8	6.9	-0.136	0.002	0.000	0.000
19:00:00	12.6	75.8	11.9	9.7	6.1	68.5	5.9	6.9	-0.081	0.007	0.000	0.000
19:15:00	11.0	75.0	11.2	10.6	6.1	68.4	6.6	6.8	-0.016	0.009	0.000	0.001
19:30:00	10.5	75.5	17.5	11.5	5.4	69.1	7.1	7.4	0.014	0.018	0.007	0.007
19:45:00	10.5	76.2	14.0	10.2	5.4	68.1	6.0	7.6	0.035	0.017	0.034	0.007
20:00:00	10.8	76.3	13.7	10.6	5.4	67.7	5.9	7.6	0.046	0.016	0.057	0.010
20:15:00	10.4	76.1	26.8	10.9	5.5	67.1	5.9	8.5	0.047	0.010	0.068	0.011
20:30:00	10.4	78.9	19.4	10.5	5.6	67.2	5.8	7.7	0.039	0.006	0.070	0.007
20:45:00	10.1	78.3	14.8	10.1	5.5	66.0	5.9	7.3	0.027	0.003	0.067	0.003
21:00:00	22.6	81.2	13.2	10.1	6.9	66.9	5.8	7.0	0.011	0.000	0.064	0.000
21:15:00	10.1	83.4	18.3	10.1	5.5	69.0	5.7	7.5	-0.002	0.000	0.059	0.000
21:30:00	9.8	83.7	13.2	9.8	5.4	68.1	5.6	6.8	-0.020	0.000	0.050	0.000
21:45:00	9.7	90.5	12.5	10.1	5.3	72.1	5.7	6.8	-0.030	0.000	0.044	0.000
22:00:00	10.3	91.5	12.8	10.7	5.4	73.7	5.9	6.8	-0.042	0.000	0.038	0.000
22:15:00	22.3	91.9	14.5	11.1	7.2	74.6	5.9	6.9	-0.048	0.000	0.028	0.000
22:30:00	47.9	91.0	14.1	11.5	10.9	73.2	6.1	6.7	-0.062	0.000	0.020	0.000
22:45:00	10.9	97.3	15.2	11.5	5.7	77.2	5.8	6.9	-0.065	0.000	0.017	0.000
23:00:00	11.5	99.7	16.1	15.4	5.8	81.0	6.5	7.2	-0.080	0.000	0.012	0.000
23:15:00	10.6	94.1	17.1	20.6	5.9	77.0	7.3	7.8	-0.091	0.000	0.009	0.000
23:30:00	10.1	93.6	17.0	17.2	5.8	76.1	6.9	8.2	-0.097	0.000	0.005	0.000
23:45:00	10.0	92.8	14.6	15.4	5.7	74.5	6.7	8.3	-0.102	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. 2995 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2995 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2995 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00						76.9						
00:15:00						77.0						
00:30:00						77.1						
00:45:00						77.2						
01:00:00						78.6						
01:15:00						76.7						
01:30:00						77.3						
01:45:00						78.6						
02:00:00						76.9						
02:15:00						76.0						
02:30:00						77.5						
02:45:00						78.0						
03:00:00						79.1						
03:15:00						79.4						
03:30:00						78.7						
03:45:00						78.4						
04:00:00						77.9						
04:15:00						78.0						
04:30:00						77.6						
04:45:00						77.3						
05:00:00						77.0						
05:15:00						75.2						
05:30:00						75.7						
05:45:00						76.0						
06:00:00						75.6						
06:15:00						74.5						
06:30:00						74.5						
06:45:00						76.0						
07:00:00	154.4					75.2						
07:15:00						75.4						
07:30:00						75.4						
07:45:00						75.6						
08:00:00						76.1						
08:15:00						78.1						
08:30:00	169.4					78.6						
08:45:00						76.0						
09:00:00						67.0						
09:15:00						70.5						
09:30:00						76.2						
09:45:00						84.2						
10:00:00						80.8						
10:15:00						73.4						