



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-15

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1000 Max : 11.90	2943 ESE	2995 N	2996 SSE	2997 NNW	Min : 55.94 Max : 100.9	Min : 33.20 Max : 89.00	Min : 29.83 Max : 30.17

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	20.5	221.7	7.3	26.5	-0.135	0.034
2995	22.4	69.0	17.4	64.1	0.002	0.031
2996	14.7	108.6	6.8	22.8	0.008	0.077
2997	11.7	24.8	6.0	8.6	0.004	0.026

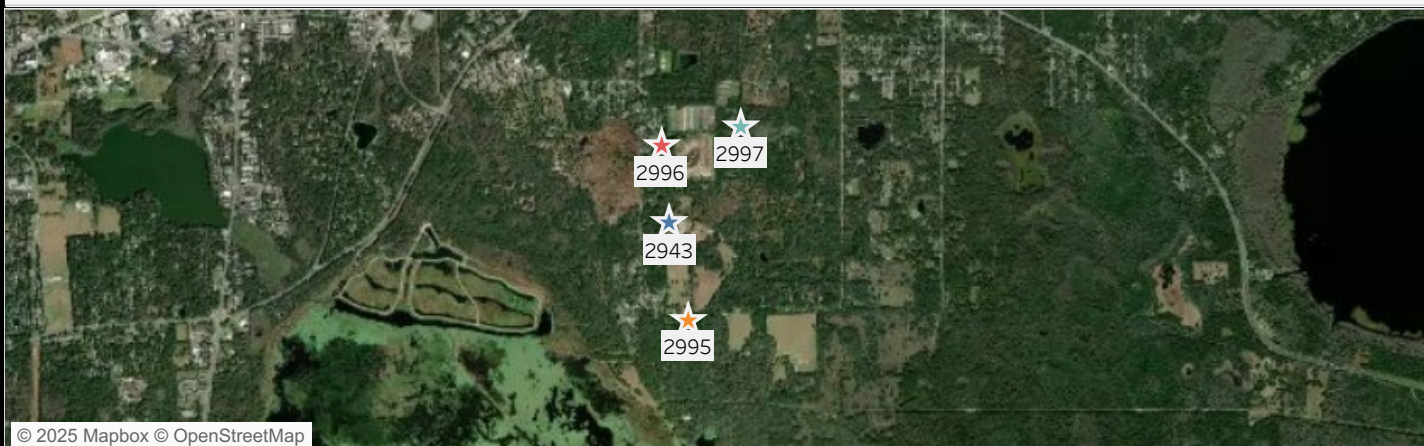


Figure 1 : Monitoring Locations

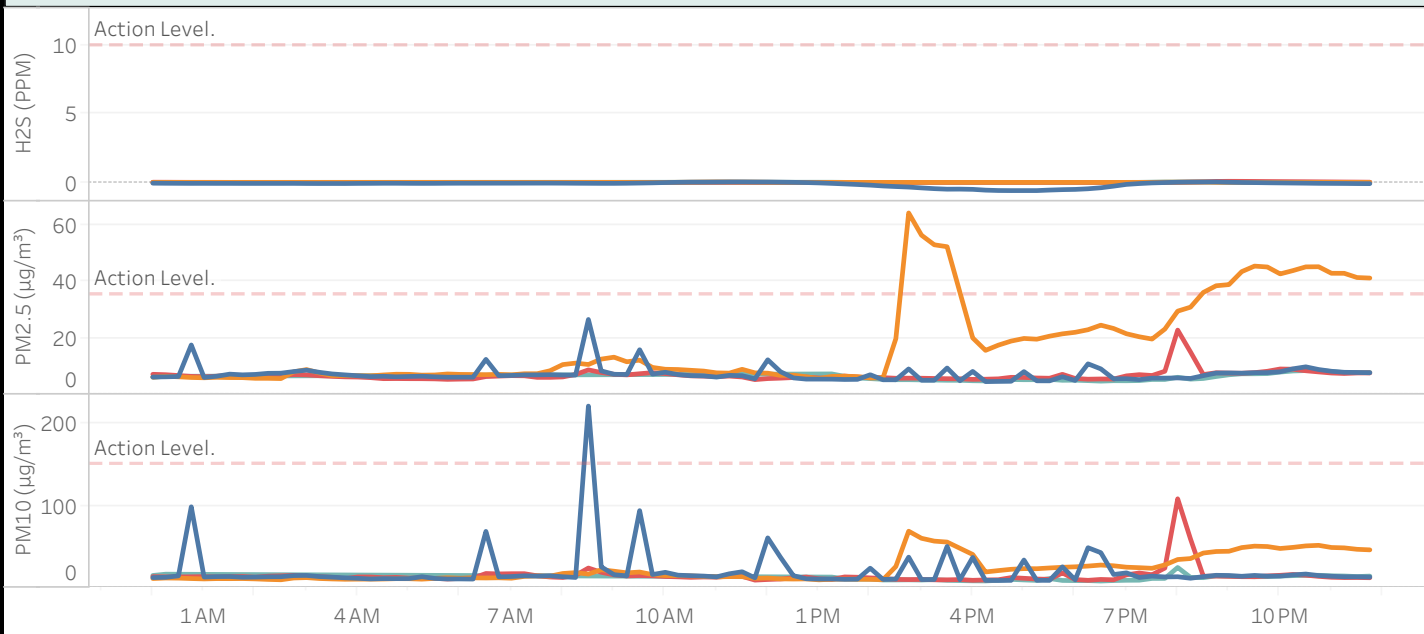


Figure 2 : 15 Minutes Average Concentrations

■ 2943 ■ 2995 ■ 2996 ■ 2997



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Wind Rose Chart 2943

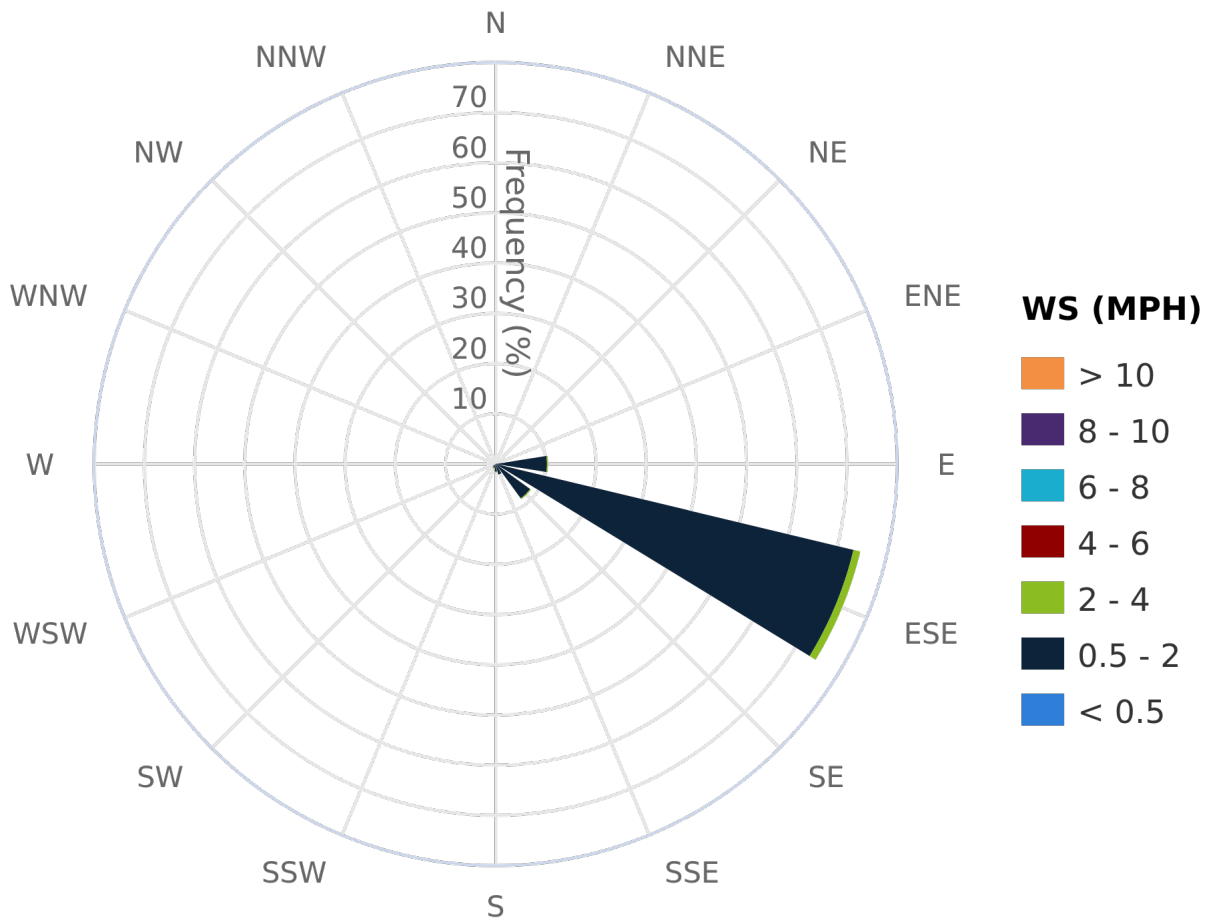


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

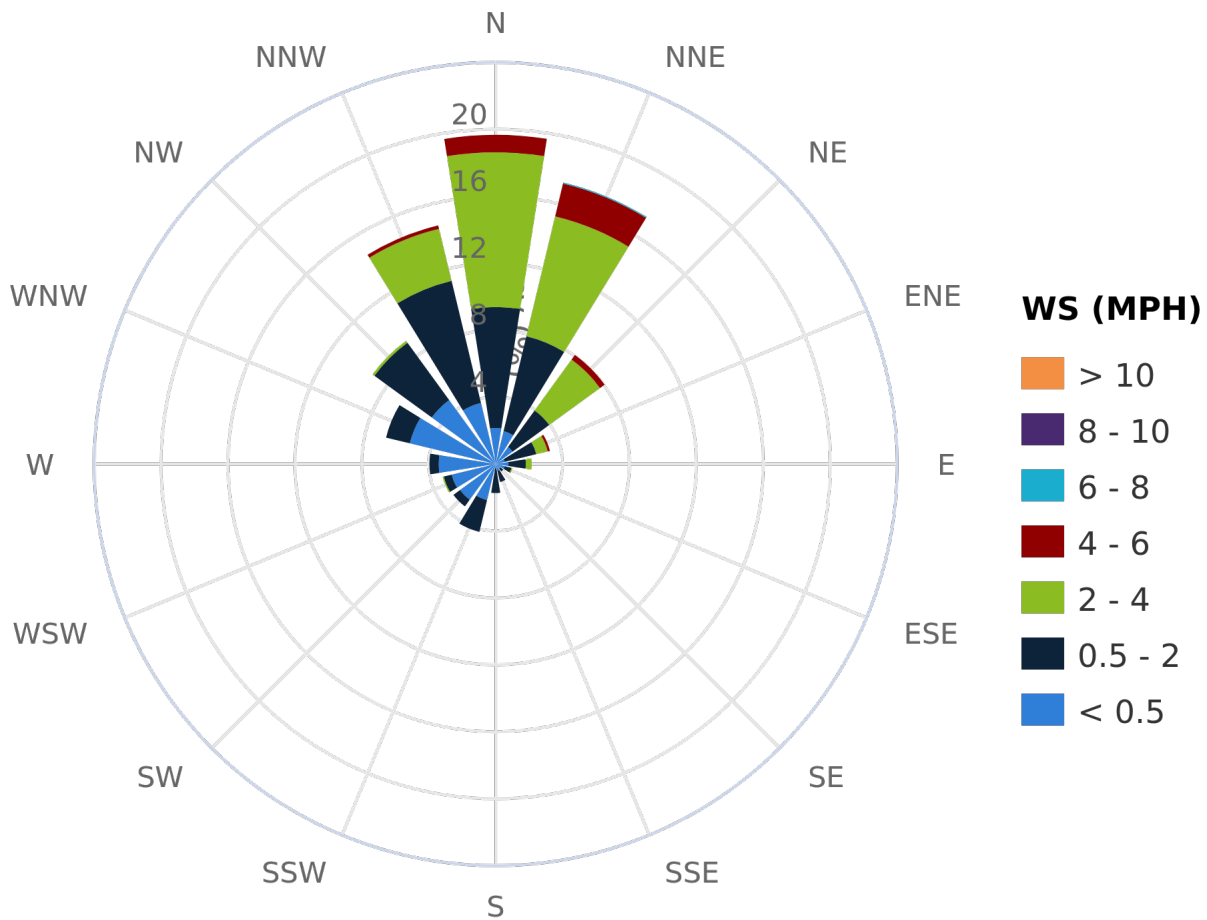


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

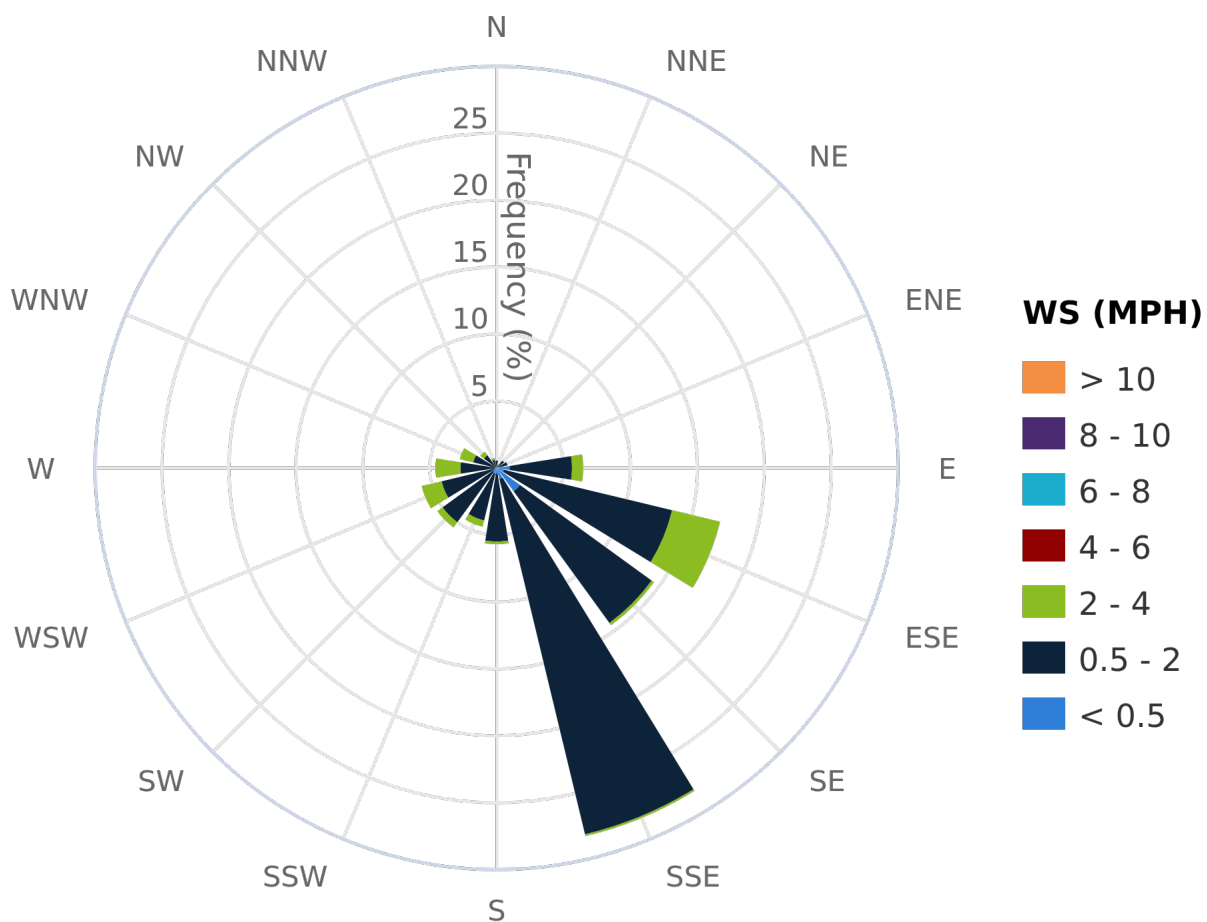


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

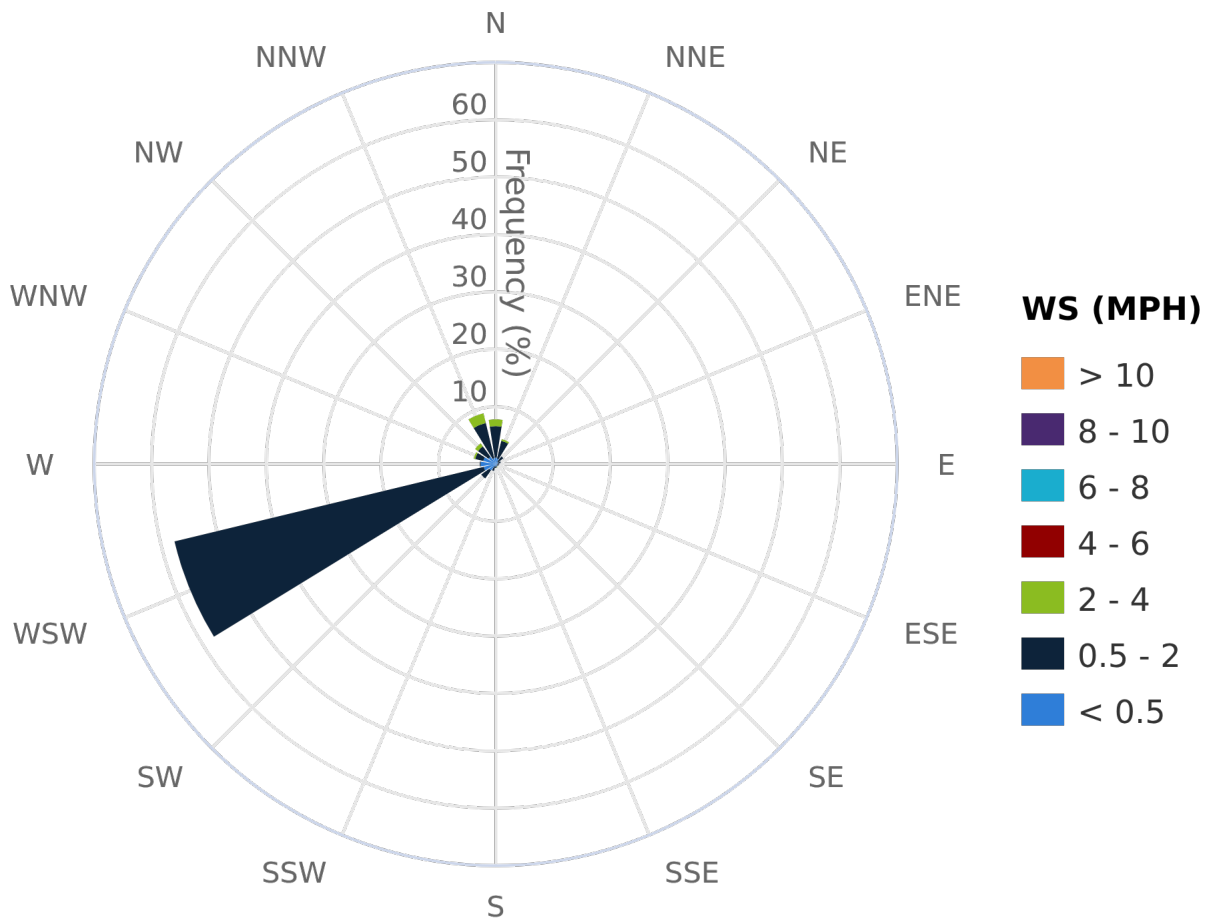


Figure 3 : Wind Rose Chart (WS in MPH)



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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	12.4	11.3	15.0	13.6	6.2	6.2	7.2	6.1	-0.060	0.000	0.011	0.000
00:15:00	12.8	11.9	16.6	13.3	6.3	6.5	7.0	6.5	-0.067	0.000	0.009	0.000
00:30:00	14.5	11.8		13.2	6.4	6.3	6.7		-0.071	0.000	0.005	
00:45:00	98.8	11.2		13.4	17.5	6.0	6.4		-0.075	0.000	0.002	
01:00:00	13.1	10.8		13.6	6.1	5.9	6.3		-0.074	0.000	0.002	
01:15:00	13.6	11.2		13.1	6.5	6.1	6.5		-0.076	0.000	0.002	
01:30:00	13.7	11.1		13.6	7.2	6.0	6.8		-0.076	0.000	0.000	
01:45:00	12.8	11.2		13.8	7.0	6.0	6.3		-0.078	0.000	0.000	
02:00:00	13.0	10.8		12.9	7.1	5.8	6.4		-0.078	0.000	0.000	
02:15:00	13.4	10.2		14.1	7.5	5.8	6.6		-0.078	0.000	0.000	
02:30:00	13.5	9.8		14.5	7.6	5.7	6.8		-0.078	0.000	0.000	
02:45:00	14.9	11.9		15.1	8.1	8.0	7.1		-0.076	0.000	0.000	
03:00:00	15.0	12.4		13.7	8.6	8.8	7.0		-0.083	0.000	0.000	
03:15:00	13.7	11.3		13.4	7.9	7.6	6.7		-0.085	0.000	0.000	
03:30:00	13.0	10.8		12.7	7.3	6.7	6.4		-0.084	0.000	0.000	
03:45:00	12.2	10.4		11.1	7.0	6.7	6.3		-0.085	0.000	0.000	
04:00:00	11.5	10.5		13.2	6.7	6.7	6.2		-0.077	0.000	0.000	
04:15:00	10.8	10.5		13.1	6.4	6.6	6.0		-0.074	0.000	0.000	
04:30:00	11.2	10.7		12.3	6.5	6.9	5.6		-0.067	0.000	0.000	
04:45:00	11.1	11.1		12.7	6.3	7.2	5.7		-0.067	0.000	0.000	
05:00:00	11.2	11.0		11.7	6.4	7.2	5.6		-0.072	0.000	0.000	
05:15:00	13.5	10.5		12.0	6.5	6.9	5.6		-0.075	0.000	0.000	
05:30:00	11.4	11.4		11.5	6.3	6.9	5.6		-0.074	0.000	0.000	
05:45:00	10.8	12.2		10.7	6.2	7.3	5.4		-0.067	0.000	0.000	
06:00:00	10.8	11.6		11.4	6.2	7.1	5.5		-0.063	0.000	0.000	
06:15:00	10.6	12.1		11.9	6.2	7.1	5.5		-0.063	0.000	0.000	
06:30:00	68.8	12.0		17.4	12.4	7.0	6.4		-0.062	0.000	0.000	
06:45:00	13.3	12.2		16.9	6.7	7.1	6.5		-0.060	0.000	0.000	
07:00:00	13.7	11.7		17.2	6.8	7.0	6.7		-0.060	0.000	0.000	
07:15:00	14.6	13.9		17.2	7.0	7.4	6.6		-0.058	0.000	0.000	
07:30:00	14.3	14.5		14.6	7.0	7.4	6.1		-0.057	0.000	0.000	
07:45:00	14.7	14.2		13.2	7.0	8.4	6.1		-0.056	0.000	0.000	
08:00:00	13.5	17.4		12.5	6.9	10.6	6.2		-0.060	0.000	0.000	
08:15:00	12.6	18.5		15.2	6.9	11.1	7.1		-0.066	0.000	0.000	
08:30:00	221.7	16.7		24.1	26.5	10.6	8.7		-0.070	0.000	0.000	
08:45:00	25.6	22.0		18.9	8.4	12.5	7.8		-0.074	0.000	0.000	
09:00:00	16.0	20.2		15.8	7.2	13.2	7.2		-0.074	0.000	0.000	
09:15:00	14.5	18.2		14.4	7.1	11.6	7.0		-0.065	0.000	0.000	
09:30:00	94.1	19.2		14.9	15.8	12.2	7.4		-0.051	0.000	0.000	
09:45:00	16.1	16.1		14.6	7.3	9.6	7.8		-0.036	0.000	0.000	
10:00:00	18.9	14.9		13.8	7.9	9.0	7.4		-0.014	0.000	0.000	
10:15:00	15.4	14.8		13.3	7.1	8.9	7.0		0.004	0.004	0.000	
10:30:00	14.8	14.5		12.7	6.7	8.6	6.6		0.017	0.014	0.000	
10:45:00	14.3	13.8		13.2	6.6	8.3	6.5		0.019	0.024	0.000	
11:00:00	13.3	13.3		12.9	6.2	7.7	6.4		0.026	0.031	0.000	
11:15:00	17.1	13.6		14.2	6.8	7.6	6.5		0.033	0.029	0.000	
11:30:00	19.5	13.6		13.9	6.7	8.9	6.2		0.034	0.023	0.000	
11:45:00	12.1	11.5		9.3	5.6	7.7	5.3		0.028	0.019	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	60.9	11.9		10.1	12.3	7.6	5.7		0.026	0.008	0.000	
12:15:00	37.1	10.9		10.7	8.1	6.8	5.8		0.015	0.002	0.000	
12:30:00	14.8	10.7		12.1	5.9	6.9	6.0		0.002	0.000	0.000	
12:45:00	11.0	10.8		13.1	5.5	6.3	6.2		-0.016	0.000	0.000	
13:00:00	10.6	9.7		11.0	5.5	5.7	5.9		-0.041	0.000	0.000	
13:15:00	10.8	10.4	13.1	10.2	5.5	6.4	5.8	7.3	-0.076	0.000	0.000	0.009
13:30:00	10.3	10.6	11.0	13.2	5.3	6.5	6.6	6.5	-0.114	0.000	0.000	0.000
13:45:00	10.5	10.5	10.4	12.9	5.4	6.4	6.2	5.9	-0.156	0.000	0.000	0.000
14:00:00	23.9	10.2	10.5	12.0	7.0	5.9	6.1	5.7	-0.202	0.000	0.000	0.000
14:15:00	10.2	9.9	9.5	11.3	5.2	6.0	6.0	5.4	-0.263	0.000	0.000	0.000
14:30:00	10.6	26.0	9.5	10.2	5.2	19.7	5.8	5.3	-0.306	0.000	0.000	0.000
14:45:00	37.4	69.0	9.7	10.0	9.1	64.1	5.8	5.3	-0.344	0.000	0.000	0.000
15:00:00	10.0	60.4	9.4	10.2	5.1	56.2	5.8	5.2	-0.404	0.000	0.000	0.000
15:15:00	10.0	56.9	10.0	9.7	5.1	52.8	5.7	5.1	-0.459	0.000	0.000	0.000
15:30:00	50.5	55.8	9.1	9.7	9.4	52.2	5.6	5.1	-0.496	0.000	0.000	0.000
15:45:00	9.9		8.7	10.0	4.9		5.6	5.1	-0.492	0.000	0.000	0.000
16:00:00	37.0	40.6	8.4	9.1	8.2	20.0	5.4	4.9	-0.509	0.000	0.000	0.000
16:15:00	9.0	19.3	8.3	9.6	4.6	15.6	5.4	4.8	-0.566	0.000	0.000	0.000
16:30:00	8.9	21.0	9.1	9.8	4.7	17.5	5.6	5.0	-0.594	0.000	0.000	0.000
16:45:00	9.0	22.5	10.2	12.4	4.7	18.9	6.1	5.3	-0.600	0.000	0.000	0.000
17:00:00	33.9	23.4	9.5	11.6	8.1	19.8	6.1	5.3	-0.599	0.000	0.000	0.000
17:15:00	9.1	23.2	9.0	10.7	4.9	19.6	5.9	5.3	-0.599	0.000	0.000	0.000
17:30:00	9.0	24.2	11.2	10.3	4.9	20.6	5.8	5.4	-0.561	0.000	0.000	0.000
17:45:00	25.6	25.0	8.9	18.1	6.3	21.4	7.2	5.1	-0.531	0.000	0.000	0.000
18:00:00	9.7	25.6	8.7	10.1	5.0	22.0	5.7	5.1	-0.513	0.000	0.000	0.000
18:15:00	48.9	26.5	8.7	9.1	10.9	22.9	5.4	4.9	-0.467	0.000	0.000	0.000
18:30:00	42.8	27.8	8.2	10.2	9.1	24.5	5.5	4.8	-0.394	0.000	0.000	0.000
18:45:00	16.2	26.8	8.8	9.7	5.6	23.3	5.5	4.9	-0.276	0.000	0.000	0.000
19:00:00	18.2	25.1	9.2	15.8	5.6	21.5	6.6	4.9	-0.148	0.000	0.000	0.000
19:15:00	12.6	24.5	9.2	18.1	5.3	20.4	7.0	5.0	-0.087	0.000	0.000	0.002
19:30:00	14.2	23.8	11.4	15.9	5.8	19.6	6.8	5.3	-0.040	0.002	0.000	0.015
19:45:00	13.2	27.9	11.4	24.1	5.8	23.1	8.2	5.3	-0.015	0.011	0.000	0.026
20:00:00	13.4	34.5	24.8	108.6	5.9	29.4	22.8	6.1	0.011	0.015	0.002	0.024
20:15:00	11.6	35.6	12.7	59.6	5.7	30.9	15.1	5.5	0.023	0.019	0.018	0.023
20:30:00	13.6	42.4	12.3	14.1	6.7	36.0	7.1	5.7	0.031	0.022	0.035	0.022
20:45:00	15.2	44.3	14.5	14.3	7.6	38.4	7.7	6.4	0.034	0.003	0.069	0.021
21:00:00	15.0	44.6	14.1	14.0	7.7	38.8	7.6	7.0	0.009	0.000	0.077	0.016
21:15:00	14.0	49.0	13.9	13.5	7.6	43.4	7.6	7.3	-0.008	0.000	0.074	0.007
21:30:00	15.1	50.8	13.5	13.5	7.7	45.3	7.8	7.4	-0.019	0.000	0.069	0.000
21:45:00	14.2	50.3	13.6	14.5	7.8	45.0	8.2	7.4	-0.031	0.000	0.062	0.000
22:00:00	14.3	47.9	14.3	15.2	8.1	42.6	9.1	8.0	-0.041	0.000	0.056	0.000
22:15:00	15.7	49.3	14.8	16.2	9.1	43.8	9.0	8.3	-0.051	0.000	0.051	0.000
22:30:00	16.8	51.1	15.1	15.4	9.8	45.1	8.4	8.5	-0.060	0.000	0.046	0.000
22:45:00	14.9	51.8	15.2	13.9	8.9	45.1	8.0	8.6	-0.072	0.000	0.039	0.000
23:00:00	14.1	49.2	14.6	12.8	8.2	42.8	7.6	8.1	-0.077	0.000	0.033	0.000
23:15:00	13.4	48.7	14.4	12.4	7.9	42.8	7.5	7.8	-0.082	0.000	0.026	0.000
23:30:00	13.4	47.0	13.7	12.5	7.8	41.3	7.6	7.7	-0.090	0.000	0.021	0.000
23:45:00	13.1	46.3	14.3	12.3	7.7	41.1	7.7	7.9	-0.094	0.000	0.013	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)
08:30:00	221.7											
14:45:00						64.1						
15:00:00						56.2						
15:15:00						52.8						
15:30:00						52.2						
20:30:00						36.0						
20:45:00						38.4						
21:00:00						38.8						
21:15:00						43.4						
21:30:00						45.3						
21:45:00						45.0						
22:00:00						42.6						
22:15:00						43.8						
22:30:00						45.1						
22:45:00						45.1						
23:00:00						42.8						
23:15:00						42.8						
23:30:00						41.3						
23:45:00						41.1						