



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-24

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0 Max : 8.254	2943 SE	2995 SSE	2996 NE	2997 NNW	Min : 71.06 Max : 100.4	Min : 46.20 Max : 100.0	Min : 29.94 Max : 30.16

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	15.3	37.5	3.3	4.7	-0.046	0.106
2995	91.9	175.8	82.4	101.5	0.006	0.075
2996	10.6	22.5	3.1	4.4	0.001	0.027
2997	11.2	30.3	3.3	5.0	0.011	0.078

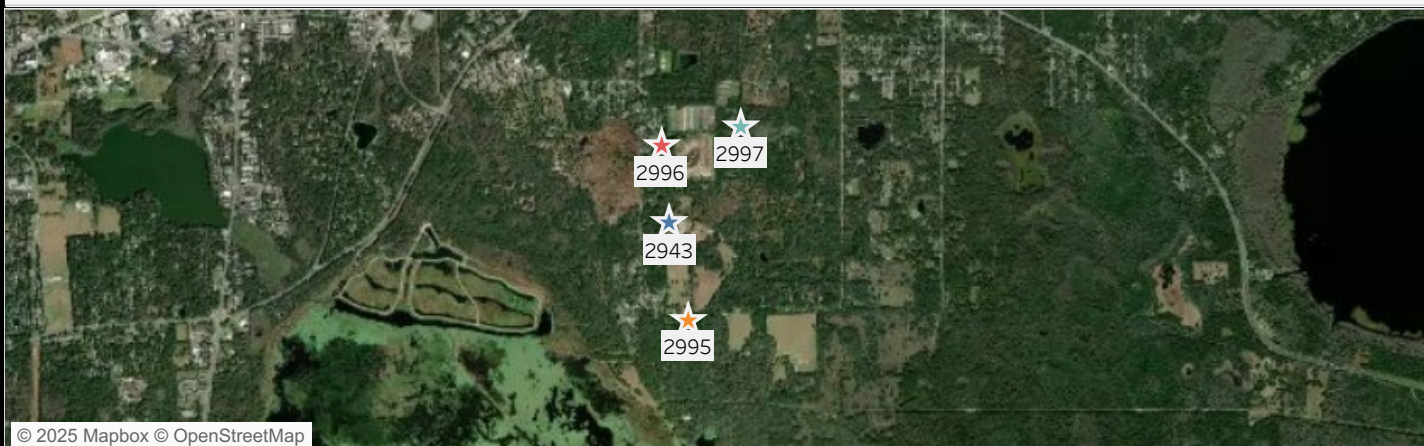


Figure 1 : Monitoring Locations

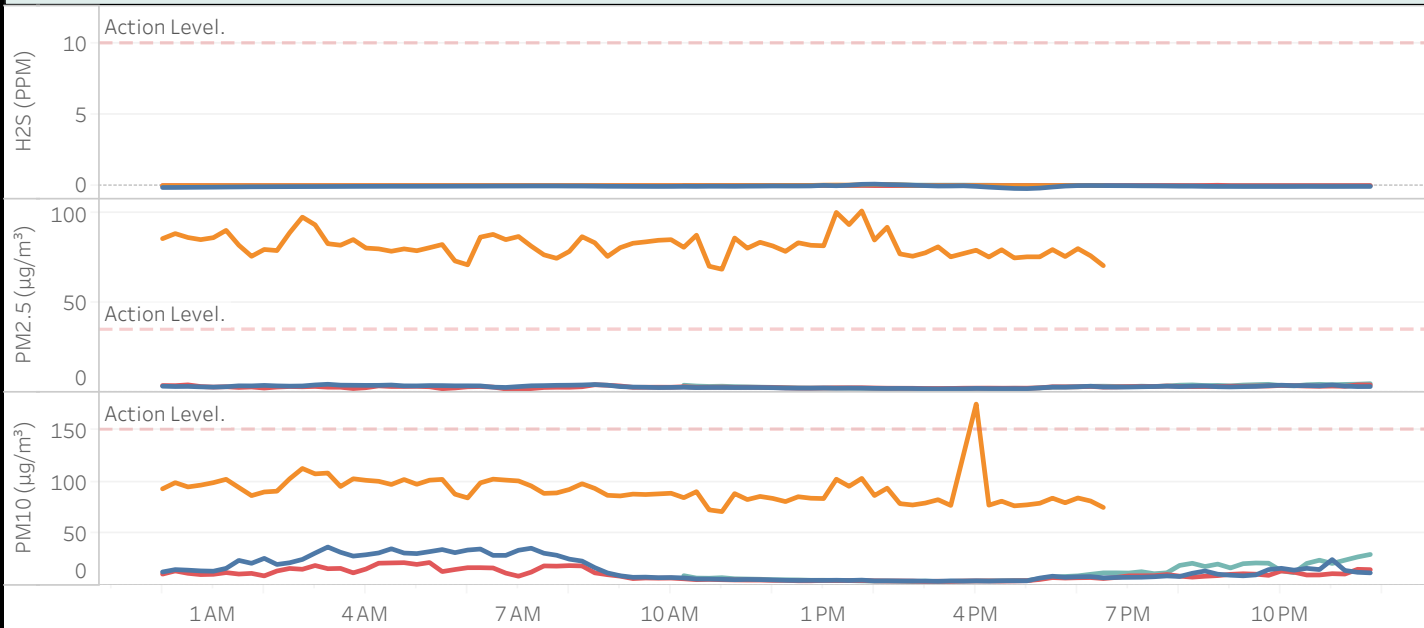


Figure 2 : 15 Minutes Average Concentrations

2943 2995 2996 2997



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Wind Rose Chart 2943

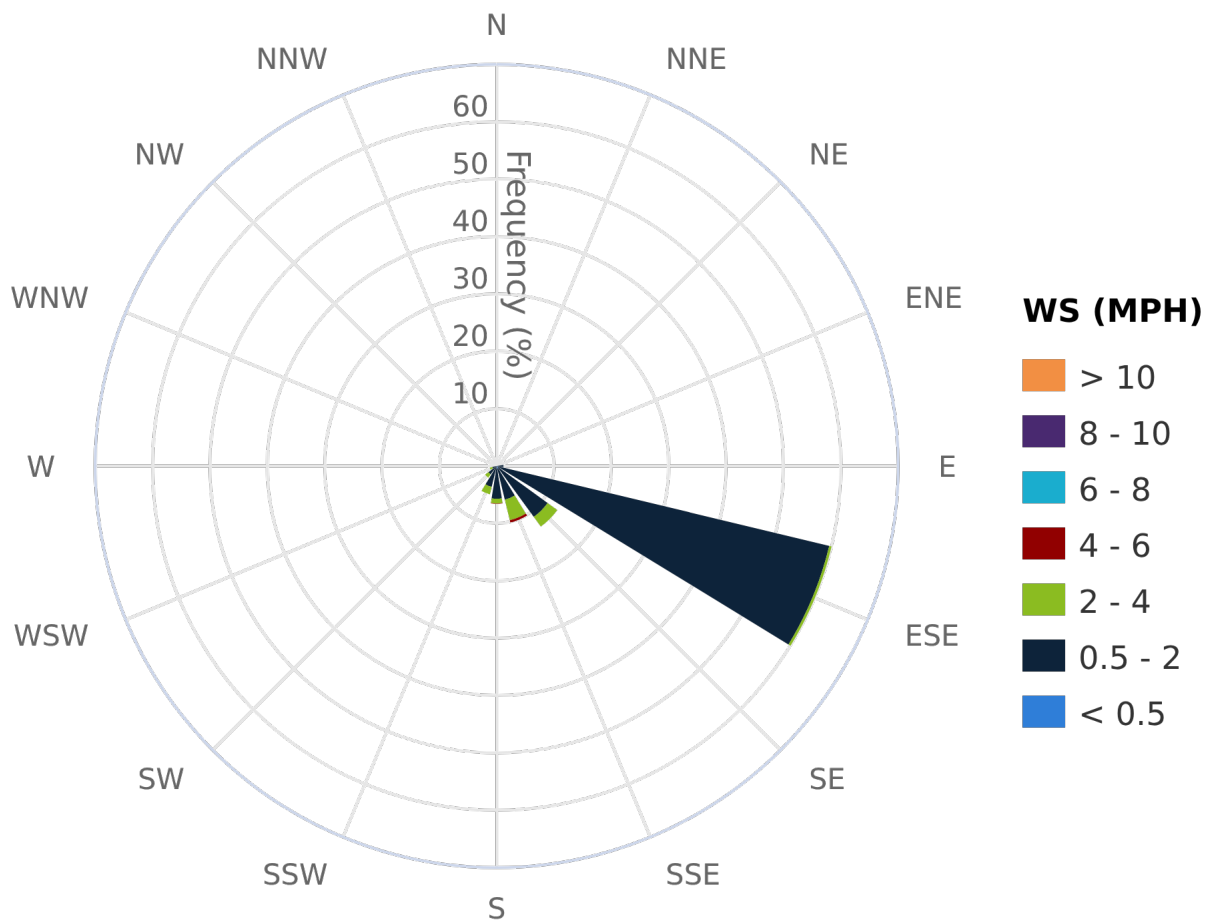


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

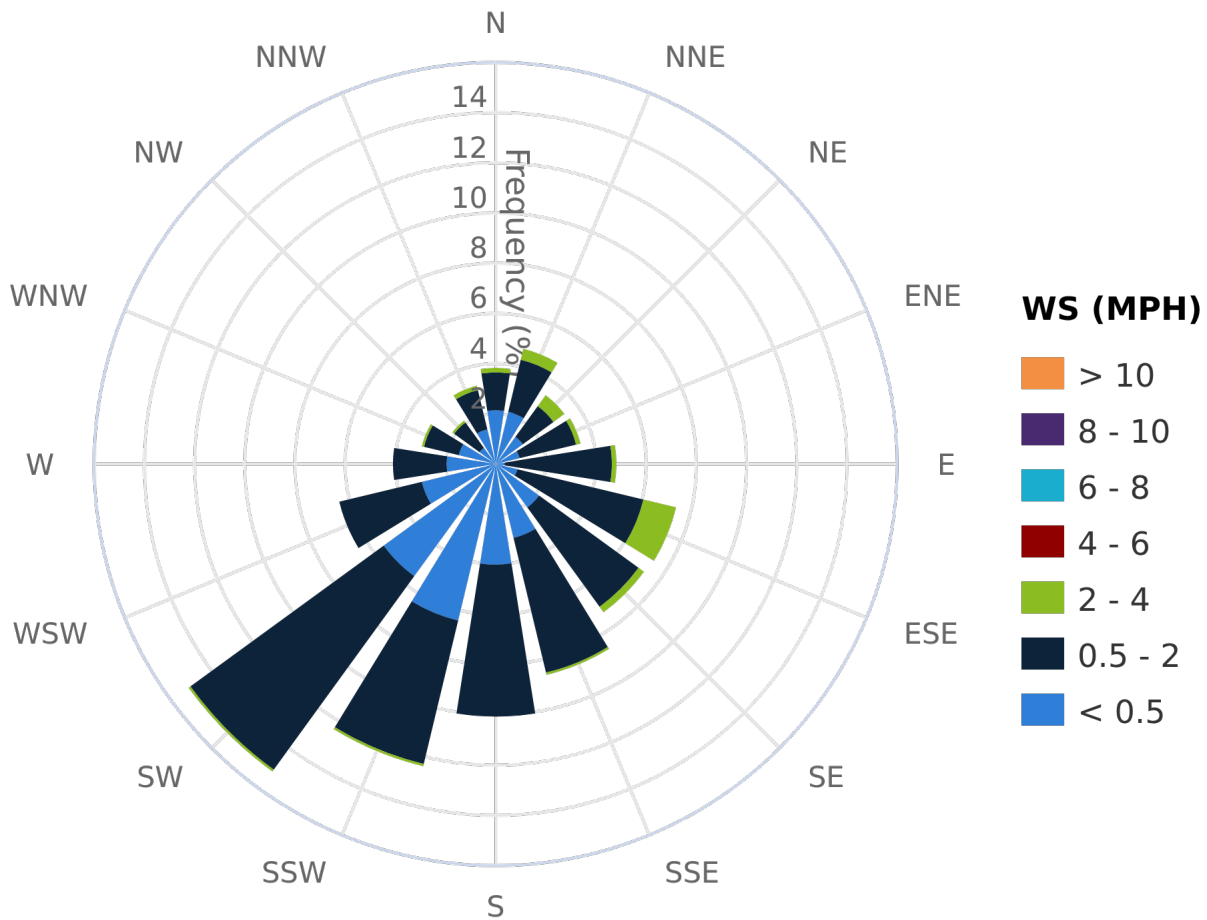


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

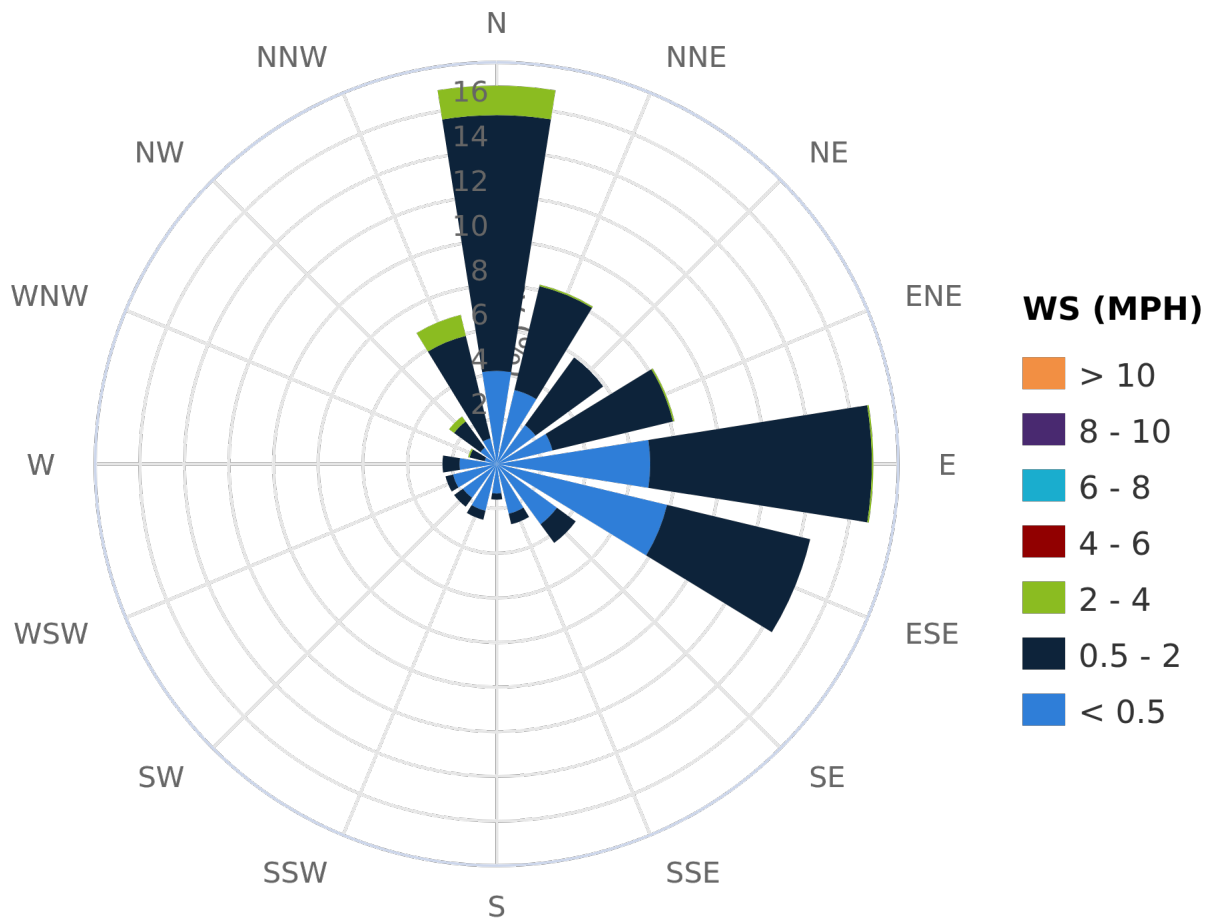


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

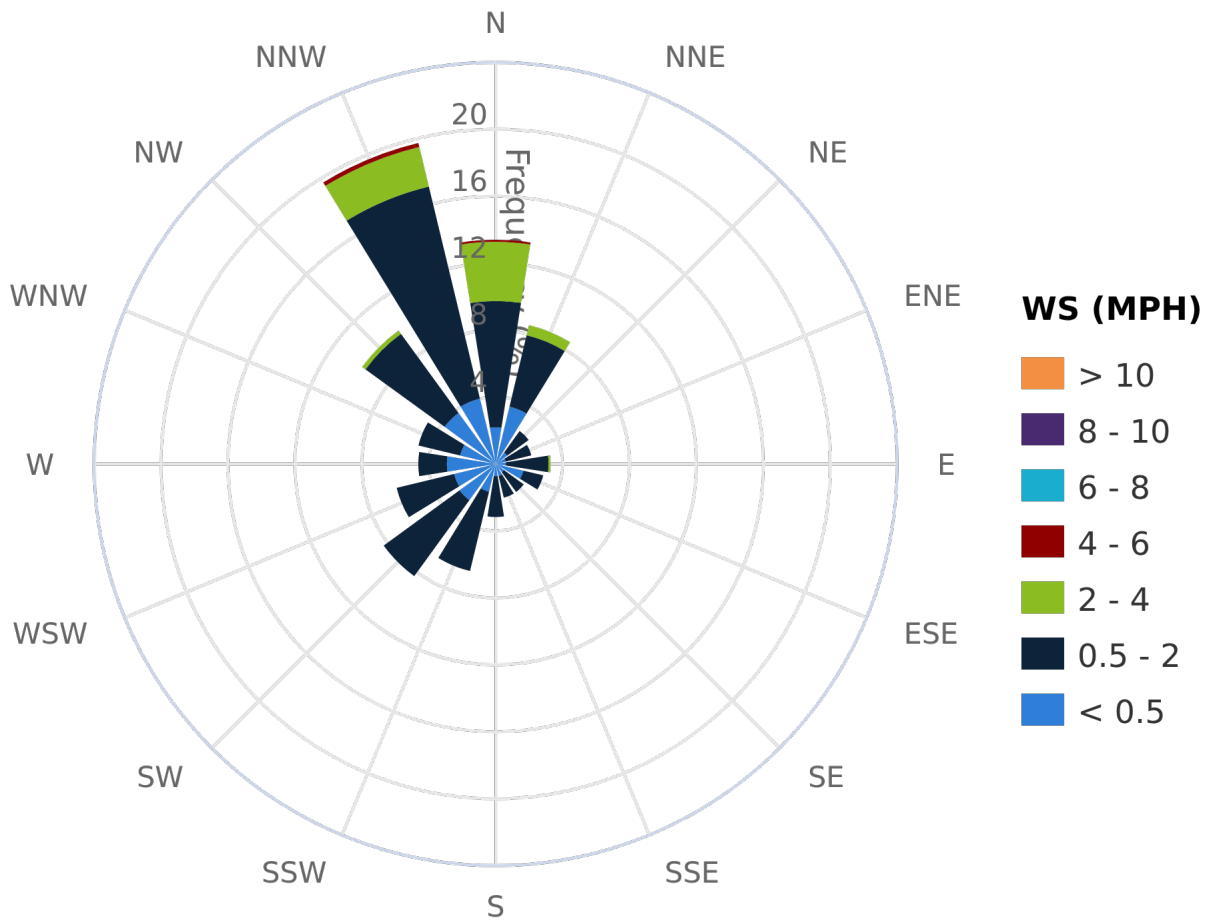


Figure 3 : Wind Rose Chart (WS in MPH)



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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	13.3	93.8		11.3	3.6	86.1	4.0		-0.130	0.000	0.000	
00:15:00	15.6	99.8		14.4	3.4	88.9	3.9		-0.127	0.000	0.000	
00:30:00	15.1	95.6		12.0	3.5	86.7	4.3		-0.120	0.000	0.000	
00:45:00	14.4	97.4		10.8	3.2	85.5	3.4		-0.113	0.000	0.000	
01:00:00	14.1	99.8		11.1	3.1	86.6	3.1		-0.107	0.000	0.000	
01:15:00	16.8	103.0		12.8	3.3	90.7	3.3		-0.098	0.000	0.000	
01:30:00	24.5	95.1		11.3	3.8	82.4	2.9		-0.091	0.000	0.000	
01:45:00	21.7	87.2		12.0	3.8	76.2	3.2		-0.082	0.000	0.003	
02:00:00	26.5	90.7		9.6	4.0	80.0	2.6		-0.079	0.000	0.000	
02:15:00	20.6	91.5		14.3	3.8	79.4	3.1		-0.074	0.000	0.000	
02:30:00	22.3	103.5		16.8	3.6	89.4	3.4		-0.070	0.000	0.000	
02:45:00	25.5	113.5		16.0	3.7	98.1	3.3		-0.067	0.000	0.000	
03:00:00	31.6	108.3		19.6	4.3	93.8	3.5		-0.065	0.000	0.000	
03:15:00	37.5	109.1		16.5	4.7	83.2	3.1		-0.061	0.000	0.000	
03:30:00	32.4	96.1		16.8	4.2	82.4	3.0		-0.058	0.000	0.000	
03:45:00	28.7	103.5		12.5	4.1	85.5	2.3		-0.053	0.000	0.000	
04:00:00	30.0	102.0		16.2	4.1	80.8	2.8		-0.050	0.000	0.000	
04:15:00	31.8	101.1		21.8	4.1	80.3	3.8		-0.049	0.000	0.000	
04:30:00	35.8	98.0		22.1	4.3	79.0	3.4		-0.045	0.000	0.000	
04:45:00	31.7	102.8		22.3	3.8	80.3	3.4		-0.045	0.000	0.000	
05:00:00	31.1	98.2		20.7	3.8	79.3	3.5		-0.045	0.000	0.000	
05:15:00	33.0	102.2		22.5	4.0	81.0	3.3		-0.043	0.000	0.000	
05:30:00	35.0	102.9		13.7	3.9	82.8	2.2		-0.041	0.000	0.000	
05:45:00	32.0	88.6		15.7	3.8	73.6	2.6		-0.038	0.000	0.000	
06:00:00	34.6	85.0		17.5	3.8	71.4	3.3		-0.036	0.000	0.000	
06:15:00	35.5	99.5		17.5	3.8	86.9	3.4		-0.035	0.000	0.000	
06:30:00	29.4	103.2		17.2	3.1	88.4	3.1		-0.031	0.000	0.000	
06:45:00	29.4	102.2		12.2	2.9	85.5	2.1		-0.029	0.000	0.000	
07:00:00	34.4	101.4		9.2	3.4	87.3	1.7		-0.028	0.000	0.000	
07:15:00	36.3	96.6		13.2	3.8	81.9	2.3		-0.025	0.000	0.000	
07:30:00	31.5	89.4		19.2	3.9	77.0	2.9		-0.024	0.000	0.000	
07:45:00	29.5	89.8		19.0	4.1	75.1	3.0		-0.025	0.000	0.000	
08:00:00	25.8	93.2		19.5	4.2	78.9	3.0		-0.029	0.000	0.000	
08:15:00	23.9	98.7		19.2	4.3	87.2	3.3		-0.031	0.000	0.000	
08:30:00	17.5	94.2		12.5	4.5	83.8	4.4		-0.037	0.000	0.000	
08:45:00	12.4	87.5		10.7	4.2	76.1	4.1		-0.045	0.000	0.000	
09:00:00	9.7	86.9		9.3	3.4	81.0	3.7		-0.047	0.000	0.000	
09:15:00	8.2	88.7		7.0	3.1	83.5	3.0		-0.051	0.000	0.000	
09:30:00	8.4	88.3		7.5	3.0	84.3	3.0		-0.054	0.000	0.000	
09:45:00	7.8	88.9		7.3	2.8	85.1	3.0		-0.056	0.000	0.000	
10:00:00	8.0	89.5		7.5	2.9	85.5	3.0		-0.054	0.000	0.000	
10:15:00	7.6	85.2	9.8	6.8	3.0	81.2	3.3	4.2	-0.047	0.000	0.000	0.017
10:30:00	6.5	91.1	7.4	5.9	2.8	88.0	3.0	3.7	-0.050	0.000	0.000	0.000
10:45:00	6.5	73.4	7.3	6.2	2.9	70.6	3.0	3.5	-0.043	0.000	0.000	0.000
11:00:00	6.2	71.7	7.8	5.9	2.9	69.0	3.1	3.6	-0.043	0.000	0.000	0.000
11:15:00	5.9	89.2	6.8	5.6	2.8	86.4	3.0	3.4	-0.046	0.000	0.000	0.000
11:30:00	6.1	83.4	6.5	5.5	2.9	80.7	3.0	3.2	-0.037	0.002	0.000	0.001
11:45:00	6.0	86.4	6.3	5.5	2.9	84.0	3.0	3.1	-0.033	0.005	0.000	0.002



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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	5.7	84.5	5.9	5.2	2.8	82.0	2.8	3.0	-0.025	0.003	0.000	0.003
12:15:00	5.3	81.4	5.8	5.2	2.5	79.0	2.7	2.9	-0.026	0.010	0.000	0.001
12:30:00	5.1	86.1	5.7	4.8	2.5	83.8	2.5	2.6	-0.026	0.006	0.000	0.000
12:45:00	5.2	84.7	5.3	4.8	2.5	82.4	2.5	2.6	-0.020	0.015	0.000	0.000
13:00:00	5.2	84.4	5.3	5.2	2.6	82.1	2.6	2.5	0.017	0.037	0.000	0.000
13:15:00	5.4	103.1	5.1	5.0	2.5	100.7	2.7	2.5	-0.008	0.043	0.000	0.000
13:30:00	5.1	96.2	5.0	5.1	2.5	93.9	2.7	2.5	0.030	0.039	0.005	0.000
13:45:00	5.5	103.9	4.7	5.0	2.5	101.5	2.7	2.4	0.092	0.066	0.016	0.020
14:00:00	4.7	87.3	4.5	4.7	2.4	85.3	2.6	2.3	0.106	0.075	0.001	0.051
14:15:00	4.7	94.4	4.6	4.6	2.3	92.4	2.5	2.2	0.076	0.074	0.000	0.078
14:30:00	4.7	79.5	4.4	4.6	2.4	77.5	2.5	2.1	0.056	0.048	0.000	0.059
14:45:00	4.6	78.2	4.1	4.5	2.3	76.2	2.4	2.1	0.028	0.023	0.000	0.040
15:00:00	4.5	80.0	4.6	4.2	2.2	78.1	2.3	2.1	0.000	0.002	0.000	0.035
15:15:00	4.3	83.3	4.0	4.4	2.1	81.5	2.3	2.0	-0.027	0.000	0.000	0.034
15:30:00	4.7	77.8	4.4	4.3	2.2	75.9	2.3	2.1	-0.024	0.000	0.000	0.035
15:45:00	4.6		4.5	4.6	2.2		2.5	2.2	-0.012	0.000	0.000	0.036
16:00:00	4.8	175.8	4.7	4.6	2.3	79.6	2.5	2.3	-0.052	0.000	0.000	0.030
16:15:00	4.5	78.0	4.7	4.7	2.3	75.8	2.5	2.3	-0.107	0.000	0.000	0.028
16:30:00	4.8	81.8	4.8	4.5	2.2	79.9	2.5	2.4	-0.152	0.000	0.000	0.019
16:45:00	4.8	77.3	5.2	4.7	2.2	75.3	2.5	2.5	-0.197	0.000	0.000	0.011
17:00:00	4.8	78.3	5.1	4.9	2.2	75.9	2.5	2.4	-0.207	0.000	0.000	0.010
17:15:00	7.4	79.8	6.9	6.1	2.7	75.9	2.7	2.6	-0.173	0.000	0.000	0.013
17:30:00	9.2	84.7	8.4	7.9	3.1	79.9	3.3	3.0	-0.096	0.001	0.000	0.013
17:45:00	8.2	80.3	9.0	7.5	3.1	76.1	3.2	3.2	-0.030	0.006	0.000	0.017
18:00:00	8.7	84.9	9.6	7.8	3.3	80.5	3.3	3.2	0.002	0.006	0.000	0.018
18:15:00	8.8	82.0	11.1	7.9	3.6	76.5	3.5	3.6	0.007	0.001	0.000	0.013
18:30:00	7.7	75.8	12.5	7.0	3.2	71.0	3.1	3.6	0.002	0.000	0.000	0.007
18:45:00	8.0		12.5	8.0	3.1		3.2	3.5	-0.003		0.001	0.001
19:00:00	8.2		12.3	9.6	3.1		3.4	3.4	-0.006		0.005	0.000
19:15:00	8.3		13.6	9.7	3.3		3.4	3.6	-0.015		0.006	0.000
19:30:00	8.7		11.7	9.7	3.4		3.5	3.4	-0.017		0.007	0.000
19:45:00	9.5		12.5	10.9	3.6		3.7	3.7	-0.026		0.009	0.000
20:00:00	9.0		19.7	9.3	3.4		3.5	4.2	-0.037		0.006	0.000
20:15:00	12.1		21.8	8.3	3.6		3.4	4.3	-0.038		0.003	0.000
20:30:00	14.3		18.6	9.2	3.7		3.4	4.0	-0.051		0.011	0.000
20:45:00	11.2		21.0	9.8	3.3		3.4	4.1	-0.056		0.027	0.000
21:00:00	10.2		17.3	11.1	3.2		3.6	3.8	-0.056		0.001	0.000
21:15:00	9.6		21.4	11.6	3.3		3.6	4.3	-0.060		0.000	0.000
21:30:00	10.5		22.1	11.2	3.5		3.7	4.5	-0.060		0.000	0.000
21:45:00	15.6		21.8	10.1	3.9		3.7	4.6	-0.060		0.000	0.000
22:00:00	16.9		14.4	14.3	4.2		4.0	4.0	-0.061		0.000	0.000
22:15:00	15.1		12.7	13.2	3.9		3.9	3.8	-0.060		0.000	0.000
22:30:00	16.9		21.6	10.4	4.0		3.7	4.4	-0.056		0.000	0.000
22:45:00	15.7		24.7	10.5	3.8		3.5	4.7	-0.058		0.000	0.000
23:00:00	25.4		21.6	11.7	4.3		3.7	4.4	-0.059		0.000	0.000
23:15:00	14.8		24.8	11.3	3.6		3.5	4.6	-0.058		0.000	0.000
23:30:00	13.0		27.9	15.9	3.4		4.3	4.7	-0.055		0.000	0.000
23:45:00	12.5		30.3	15.6	3.4		4.3	5.0	-0.055		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						86.1						
00:15:00						88.9						
00:30:00						86.7						
00:45:00						85.5						
01:00:00						86.6						
01:15:00						90.7						
01:30:00						82.4						
01:45:00						76.2						
02:00:00						80.0						
02:15:00						79.4						
02:30:00						89.4						
02:45:00						98.1						
03:00:00						93.8						
03:15:00						83.2						
03:30:00						82.4						
03:45:00						85.5						
04:00:00						80.8						
04:15:00						80.3						
04:30:00						79.0						
04:45:00						80.3						
05:00:00						79.3						
05:15:00						81.0						
05:30:00						82.8						
05:45:00						73.6						
06:00:00						71.4						
06:15:00						86.9						
06:30:00						88.4						
06:45:00						85.5						
07:00:00						87.3						
07:15:00						81.9						
07:30:00						77.0						
07:45:00						75.1						
08:00:00						78.9						
08:15:00						87.2						
08:30:00						83.8						
08:45:00						76.1						
09:00:00						81.0						
09:15:00						83.5						
09:30:00						84.3						
09:45:00						85.1						
10:00:00						85.5						
10:15:00						81.2						