



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-21

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0 Max : 7.091	2943 ESE	2995 NNE	2996 ESE	2997 N	Min : 64.94 Max : 101.1	Min : 38.00 Max : 95.30	Min : 29.91 Max : 30.13

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	12.7	32.2	6.7	11.7	-0.084	0.061
2995	88.3	110.0	83.7	103.9	0.009	0.061
2996	12.8	46.7	6.9	18.0	0.005	0.052
2997	15.5	38.6	8.1	15.8	0.001	0.068

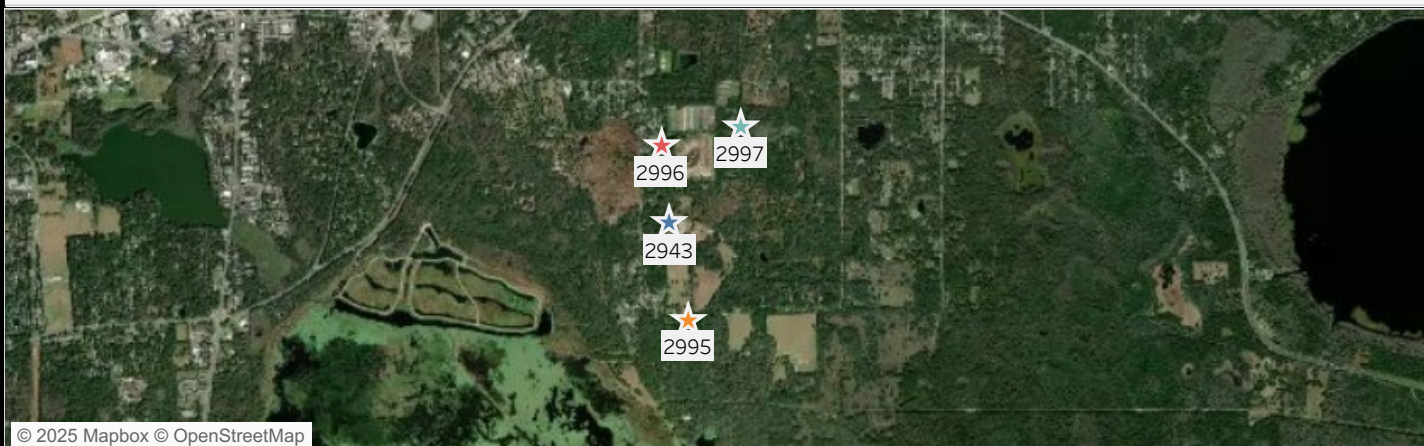


Figure 1 : Monitoring Locations

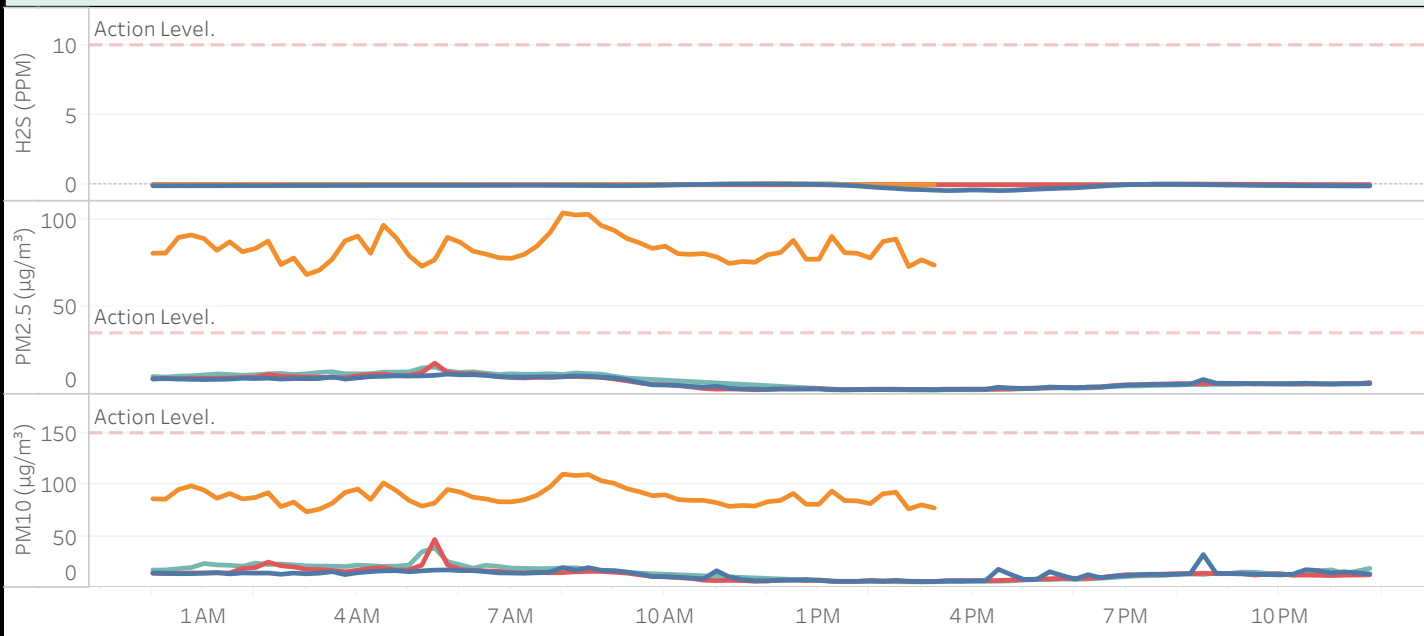


Figure 2 : 15 Minutes Average Concentrations

2943 2995 2996 2997



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Wind Rose Chart 2943

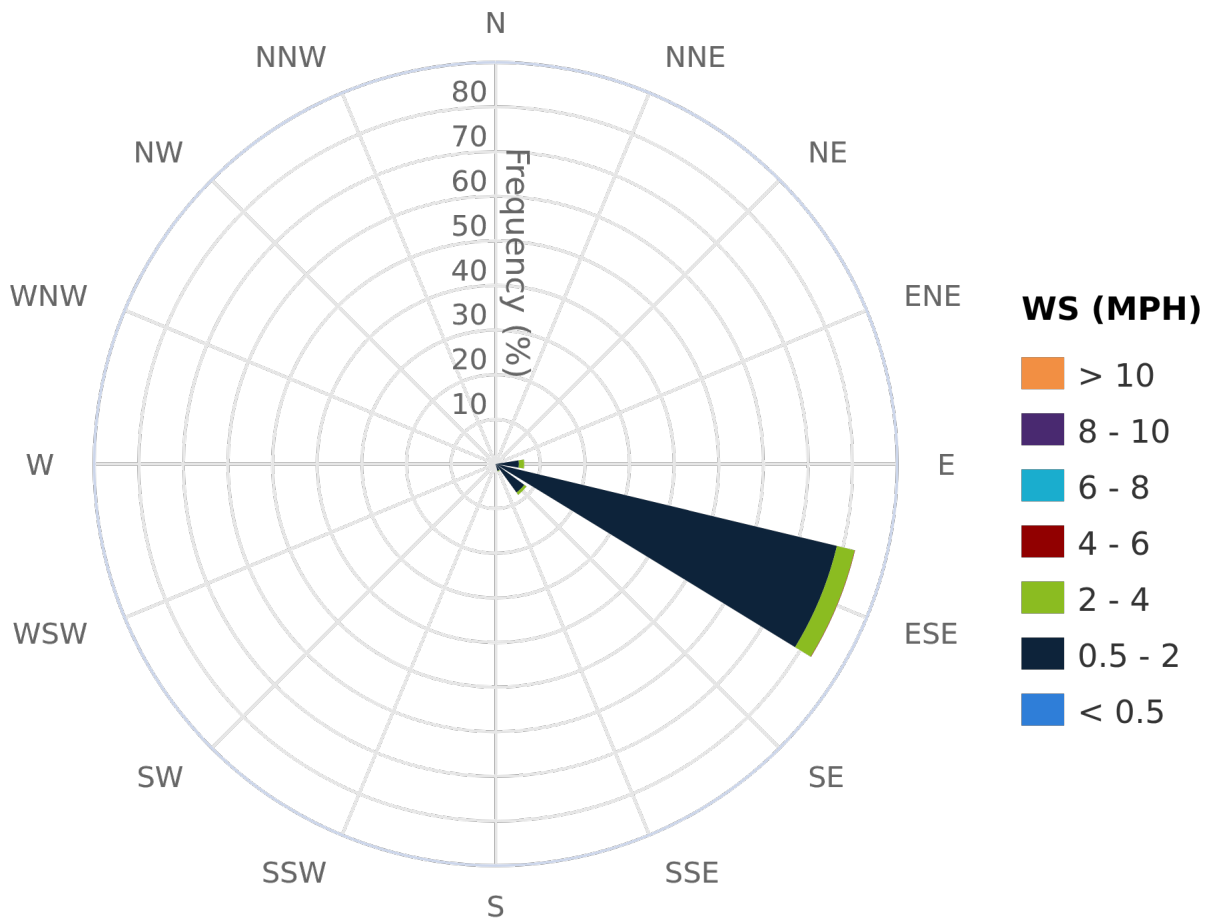


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

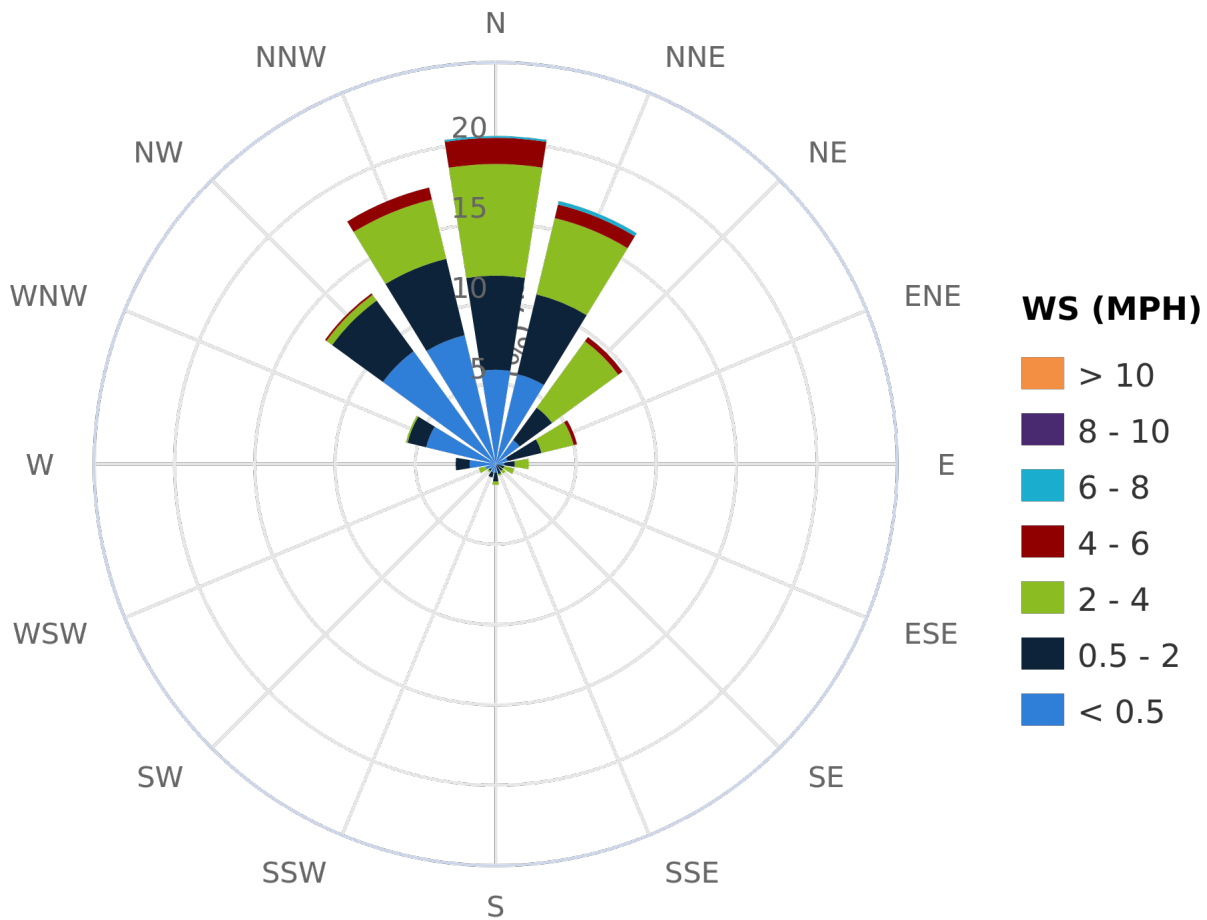


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

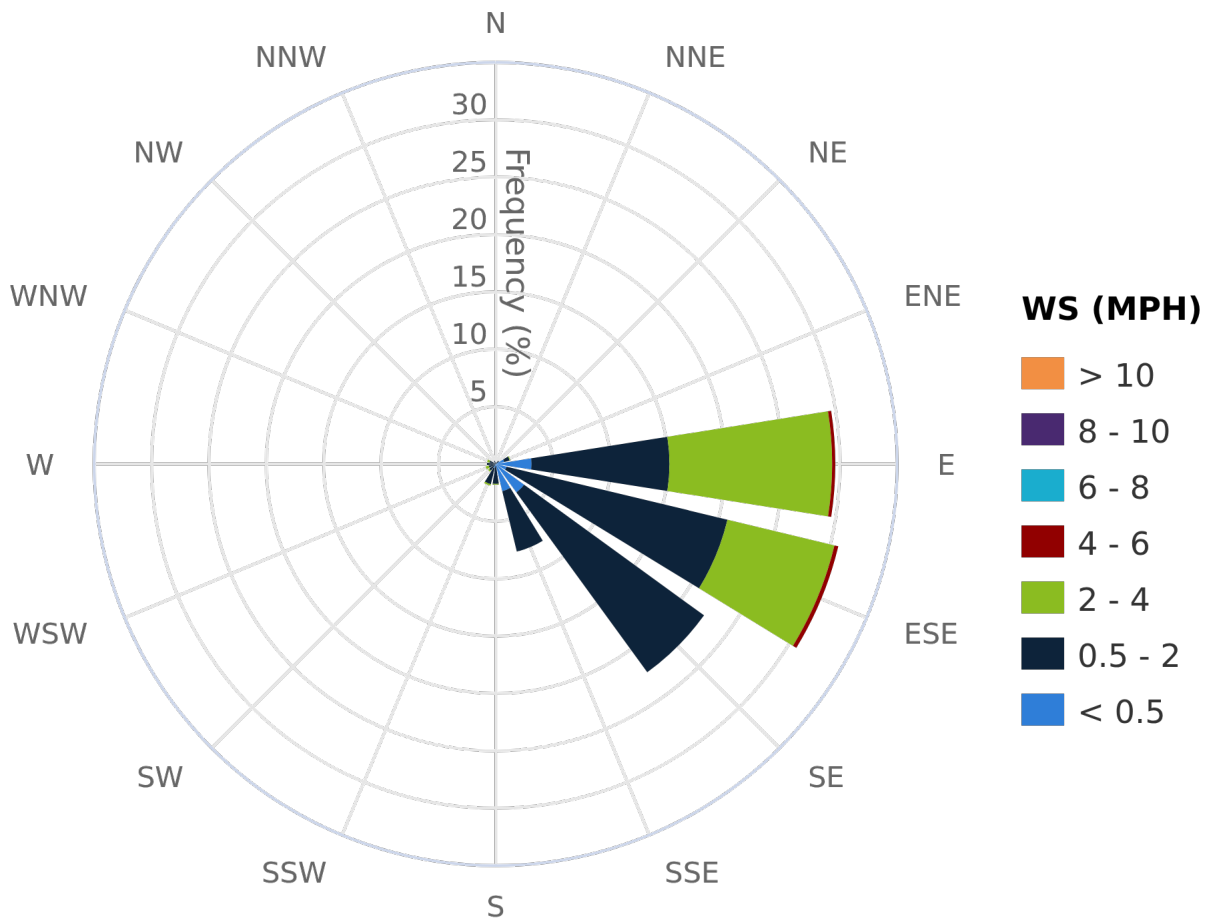


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

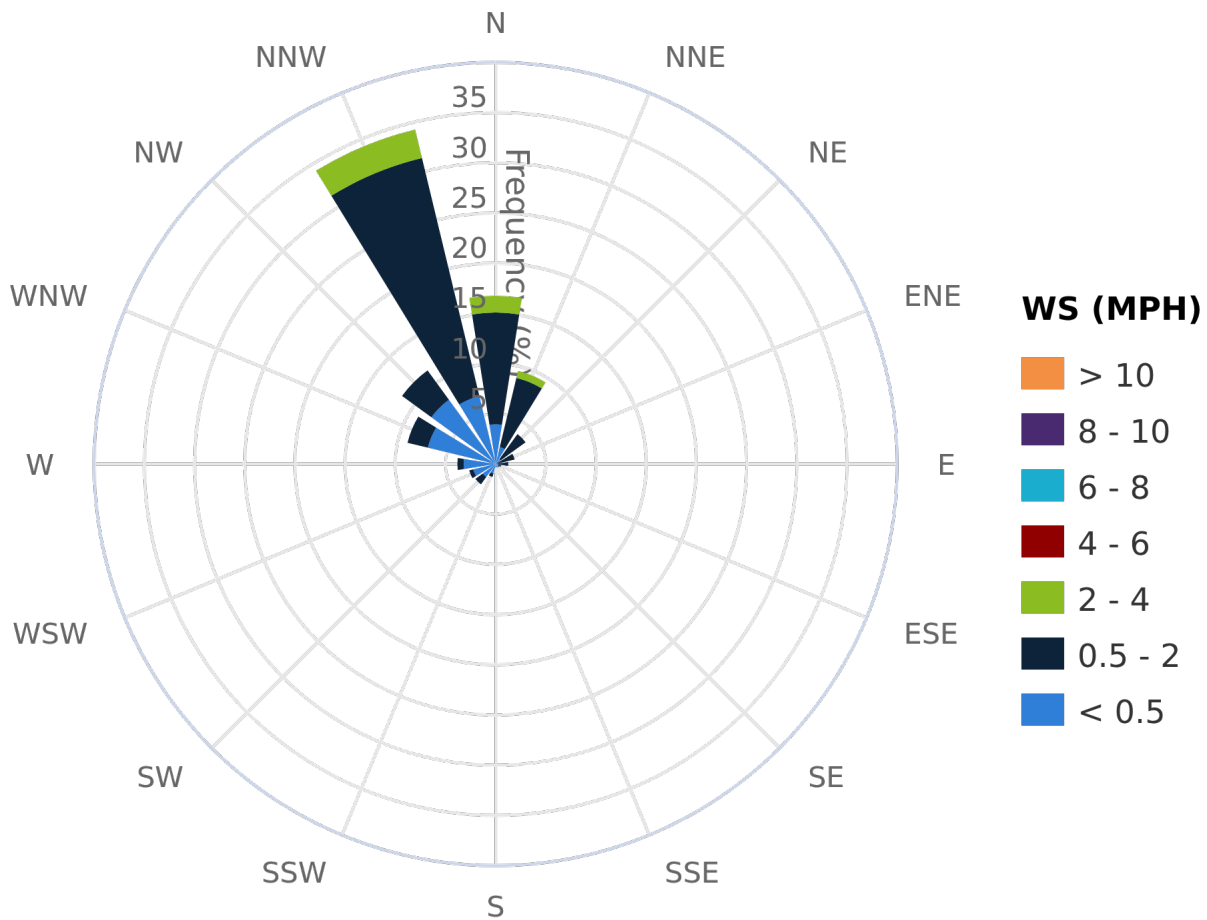


Figure 3 : Wind Rose Chart (WS in MPH)



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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	14.2	86.1	17.2	14.1	9.0	80.8	9.0	10.4	-0.073	0.000	0.000	0.000
00:15:00	14.1	85.8	17.3	13.6	9.1	81.0	9.3	10.0	-0.074	0.000	0.000	0.000
00:30:00	13.6	95.1	18.5	14.1	9.0	89.9	9.0	10.6	-0.069	0.000	0.000	0.000
00:45:00	13.7	98.7	19.5	14.4	8.7	91.3	9.4	10.8	-0.071	0.000	0.000	0.000
01:00:00	14.1	94.6	23.5	14.3	8.6	89.2	9.2	11.3	-0.069	0.000	0.000	0.000
01:15:00	14.7	86.7	22.2	14.4	8.7	82.5	9.3	11.8	-0.066	0.000	0.000	0.000
01:30:00	13.4	91.2	21.7	14.3	8.9	87.4	9.4	11.5	-0.064	0.000	0.000	0.000
01:45:00	14.4	86.0	20.9	18.7	9.4	81.7	9.8	11.1	-0.059	0.000	0.000	0.000
02:00:00	14.2	87.4	23.9	19.5	9.2	83.5	10.0	11.4	-0.061	0.000	0.000	0.000
02:15:00	14.3	92.1	22.5	24.9	9.4	87.8	11.6	11.9	-0.060	0.000	0.000	0.000
02:30:00	13.1	78.6	23.0	21.3	8.9	74.4	10.6	12.2	-0.058	0.000	0.000	0.000
02:45:00	14.2	82.9	22.1	20.2	9.2	78.1	10.3	11.5	-0.057	0.000	0.000	0.000
03:00:00	13.5	73.6	21.2	17.8	9.1	68.7	10.0	11.9	-0.055	0.000	0.000	0.000
03:15:00	14.1	76.1	21.0	17.6	9.2	71.2	10.0	12.7	-0.054	0.000	0.000	0.000
03:30:00	15.6	81.8	21.0	16.8	10.3	77.4	9.8	13.1	-0.052	0.000	0.000	0.000
03:45:00	12.7	92.3	20.5	15.5	8.9	87.9	9.7	11.9	-0.049	0.000	0.000	0.000
04:00:00	14.6	95.6	22.0	17.1	9.6	90.6	10.8	11.9	-0.049	0.000	0.000	0.000
04:15:00	15.7	85.5	21.3	18.9	10.3	80.9	11.5	12.0	-0.045	0.000	0.000	0.000
04:30:00	16.4	101.5	20.8	19.4	10.5	96.9	11.7	12.9	-0.043	0.000	0.000	0.000
04:45:00	16.5	94.1	20.9	16.9	10.8	89.6	10.8	12.9	-0.045	0.000	0.000	0.000
05:00:00	15.5	84.6	21.9	17.5	10.6	79.5	11.0	13.0	-0.043	0.000	0.000	0.000
05:15:00	16.4	79.0	34.8	21.9	10.7	73.4	12.5	15.2	-0.044	0.000	0.000	0.000
05:30:00	17.1	82.0	38.6	46.7	11.0	77.1	18.0	15.8	-0.040	0.000	0.000	0.000
05:45:00	17.3	95.2	25.3	22.1	11.7	89.9	12.7	13.5	-0.041	0.000	0.000	0.000
06:00:00	16.6	92.6	22.3	17.7	11.3	87.1	12.0	12.7	-0.043	0.000	0.000	0.000
06:15:00	16.6	87.7	19.0	17.0	11.4	82.0	12.0	13.1	-0.041	0.000	0.000	0.000
06:30:00	15.6	86.0	21.8	16.3	11.0	80.4	11.4	12.3	-0.038	0.000	0.000	0.000
06:45:00	14.4	83.3	20.7	16.0	10.2	78.3	10.3	11.6	-0.037	0.000	0.000	0.000
07:00:00	14.3	83.2	19.1	14.7	10.0	77.9	9.8	11.9	-0.036	0.000	0.000	0.000
07:15:00	14.1	85.2	18.8	14.5	10.0	80.2	9.6	11.7	-0.036	0.000	0.000	0.000
07:30:00	14.5	89.6	18.6	15.0	10.2	85.0	9.9	11.7	-0.035	0.000	0.000	0.000
07:45:00	15.2	97.7	18.6	14.5	10.1	92.6	9.8	11.9	-0.037	0.000	0.000	0.000
08:00:00	19.6	110.0	19.2	14.7	10.2	103.9	10.3	11.5	-0.040	0.000	0.000	0.000
08:15:00	17.1	108.7	19.4	15.5	10.7	102.8	10.4	12.4	-0.045	0.000	0.000	0.000
08:30:00	19.5	109.6	17.6	15.8	10.6	103.1	10.1	12.0	-0.053	0.000	0.000	0.000
08:45:00	17.0	103.7	16.5	15.8	10.0	96.8	9.9	11.7	-0.058	0.000	0.000	0.000
09:00:00	16.6	101.2	15.8	15.0	9.6	94.0	9.0	10.6	-0.060	0.000	0.000	0.000
09:15:00	15.2	96.0	14.7	14.2	8.6	89.3	7.9	9.5	-0.061	0.000	0.000	0.000
09:30:00	13.4	92.9		12.5	6.9	86.8	6.7		-0.053	0.000	0.000	
09:45:00	10.8	89.2		11.0	5.6	83.6	5.8		-0.044	0.000	0.000	
10:00:00	10.8	90.0		10.5	5.6	84.9	5.6		-0.025	0.000	0.000	
10:15:00	10.2	85.5		9.8	5.3	80.6	5.1		-0.001	0.000	0.000	
10:30:00	9.4	84.6		9.1	4.8	80.2	4.4		0.015	0.003	0.000	
10:45:00	8.6	84.6		7.3	4.3	80.6	3.5		0.026	0.024	0.000	
11:00:00	16.5	82.4		6.9	4.8	78.8	3.1		0.043	0.036	0.000	
11:15:00	10.4	78.8		7.2	3.6	75.0	3.2		0.051	0.048	0.000	
11:30:00	7.9	79.7		7.0	3.3	76.1	3.1		0.056	0.052	0.000	
11:45:00	6.9	79.2		6.3	3.2	75.7	2.8		0.056	0.056	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	6.6	83.4		6.7	3.0	80.0	3.1		0.061	0.061	0.000	
12:15:00	7.4	84.6		7.2	3.3	81.3	3.3		0.057	0.061	0.000	
12:30:00	7.4	91.3		7.4	3.2	88.2	3.3		0.049	0.052	0.000	
12:45:00	8.0	80.8		6.9	3.3	77.4	3.3		0.039	0.047	0.000	
13:00:00	7.1	80.9		7.6	3.2	77.4	3.4		0.017	0.040	0.000	
13:15:00	6.3	93.7	6.5	6.4	2.8	90.5	3.0	3.2	-0.009	0.032	0.000	0.068
13:30:00	6.2	84.4	5.8	6.3	2.7	81.2	2.8	2.8	-0.036	0.013	0.000	0.010
13:45:00	6.3	84.1	6.0	6.1	2.8	80.8	2.9	2.9	-0.083	0.004	0.000	0.008
14:00:00	6.7	81.4	6.1	7.1	2.9	78.2	3.1	2.9	-0.152	0.000	0.000	0.004
14:15:00	6.3	91.1	6.0	6.6	2.9	87.6	3.1	2.9	-0.217	0.000	0.000	0.000
14:30:00	7.2	92.5	5.8	6.5	3.0	89.0	3.1	2.8	-0.264	0.000	0.000	0.000
14:45:00	6.2	76.4	5.8	6.4	2.8	73.2	3.0	2.7	-0.326	0.000	0.000	0.000
15:00:00	5.9	80.3	5.6	6.2	2.9	77.1	3.0	2.6	-0.347	0.000	0.000	0.000
15:15:00	6.2	77.2	5.8	6.0	2.7	74.0	2.9	2.7	-0.386	0.000	0.000	0.000
15:30:00	6.7		6.0	6.8	3.0		3.2	2.8	-0.417		0.000	0.000
15:45:00	6.5		6.0	7.0	3.0		3.2	2.8	-0.402		0.000	0.000
16:00:00	6.8		6.2	6.8	3.1		3.2	2.8	-0.373		0.000	0.000
16:15:00	6.9		6.2	7.0	3.1		3.2	2.9	-0.391		0.000	0.000
16:30:00	17.9		6.4	7.0	4.2		3.2	3.0	-0.415		0.000	0.000
16:45:00	12.7		6.7	7.5	3.8		3.3	3.1	-0.403		0.000	0.000
17:00:00	8.1		7.4	7.9	3.5		3.6	3.4	-0.353		0.000	0.000
17:15:00	8.1		7.9	8.5	3.7		3.8	3.6	-0.315		0.000	0.000
17:30:00	15.5		7.9	8.7	4.4		4.0	3.7	-0.278		0.000	0.000
17:45:00	11.8		8.4	9.2	4.1		4.2	3.9	-0.241		0.000	0.000
18:00:00	8.3		8.2	9.2	3.8		4.1	3.8	-0.223		0.000	0.000
18:15:00	12.7		8.4	9.2	4.4		4.2	3.8	-0.158		0.000	0.000
18:30:00	9.7		9.2	10.0	4.3		4.5	4.1	-0.100		0.000	0.000
18:45:00	11.2		10.0	11.3	4.9		5.2	4.7	-0.038		0.000	0.000
19:00:00	11.9		10.8	12.7	5.4		5.6	5.0	0.006		0.004	0.002
19:15:00	12.8		11.5	12.3	5.6		5.7	5.0	0.025		0.026	0.006
19:30:00	13.1		11.7	13.0	5.8		6.0	5.2	0.034		0.041	0.008
19:45:00	12.8		12.0	13.3	5.8		6.1	5.4	0.037		0.049	0.008
20:00:00	13.0		13.1	13.7	5.9		6.3	5.5	0.033		0.052	0.007
20:15:00	13.9		13.5	13.5	6.1		6.3	5.8	0.022		0.052	0.005
20:30:00	32.2		13.0	14.1	8.6		6.4	5.7	0.010		0.048	0.004
20:45:00	14.0		14.2	13.6	6.6		6.4	5.9	-0.002		0.043	0.001
21:00:00	13.7		13.8	13.7	6.5		6.3	5.9	-0.014		0.041	0.000
21:15:00	13.5		15.2	13.6	6.4		6.4	6.0	-0.028		0.037	0.000
21:30:00	13.3		15.0	12.3	6.3		6.1	6.4	-0.042		0.032	0.000
21:45:00	12.8		14.0	13.2	6.2		6.2	6.2	-0.050		0.028	0.000
22:00:00	12.4		13.8	13.2	6.2		6.2	6.1	-0.053		0.025	0.000
22:15:00	13.2		12.2	12.4	6.3		6.1	6.0	-0.063		0.018	0.000
22:30:00	17.6		13.3	12.2	6.6		6.2	6.1	-0.069		0.008	0.000
22:45:00	16.6		16.3	12.1	6.3		6.1	6.2	-0.071		0.007	0.000
23:00:00	14.3		17.4	11.8	6.1		6.0	6.2	-0.079		0.003	0.000
23:15:00	15.4		13.7	12.2	6.3		6.3	6.0	-0.083		0.000	0.000
23:30:00	14.3		16.2	12.2	6.1		6.3	6.2	-0.085		0.004	0.000
23:45:00	13.4		18.8	12.6	6.3		6.7	7.0	-0.084		0.000	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						80.8						
00:15:00						81.0						
00:30:00						89.9						
00:45:00						91.3						
01:00:00						89.2						
01:15:00						82.5						
01:30:00						87.4						
01:45:00						81.7						
02:00:00						83.5						
02:15:00						87.8						
02:30:00						74.4						
02:45:00						78.1						
03:00:00						68.7						
03:15:00						71.2						
03:30:00						77.4						
03:45:00						87.9						
04:00:00						90.6						
04:15:00						80.9						
04:30:00						96.9						
04:45:00						89.6						
05:00:00						79.5						
05:15:00						73.4						
05:30:00						77.1						
05:45:00						89.9						
06:00:00						87.1						
06:15:00						82.0						
06:30:00						80.4						
06:45:00						78.3						
07:00:00						77.9						
07:15:00						80.2						
07:30:00						85.0						
07:45:00						92.6						
08:00:00						103.9						
08:15:00						102.8						
08:30:00						103.1						
08:45:00						96.8						
09:00:00						94.0						
09:15:00						89.3						
09:30:00						86.8						
09:45:00						83.6						
10:00:00						84.9						
10:15:00						80.6						