



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-22

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.04500 Max : 7.650	2943 SE	2995 NNE	2996 E	2997 WNW	Min : 68.54 Max : 104.0	Min : 41.30 Max : 92.70	Min : 29.85 Max : 30.08

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	12.3	57.4	5.2	11.0	-0.070	0.057
2995	83.6	176.6	78.1	94.1	0.006	0.057
2996	10.1	18.7	5.1	10.8	0.004	0.048
2997	16.3	19.6	8.1	9.6	0.000	0.000

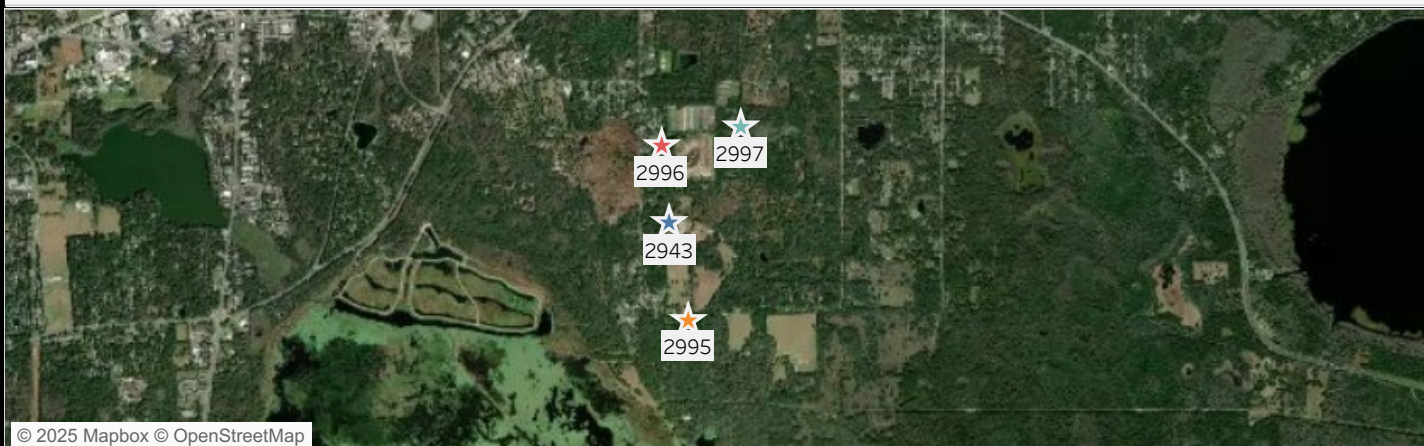


Figure 1 : Monitoring Locations

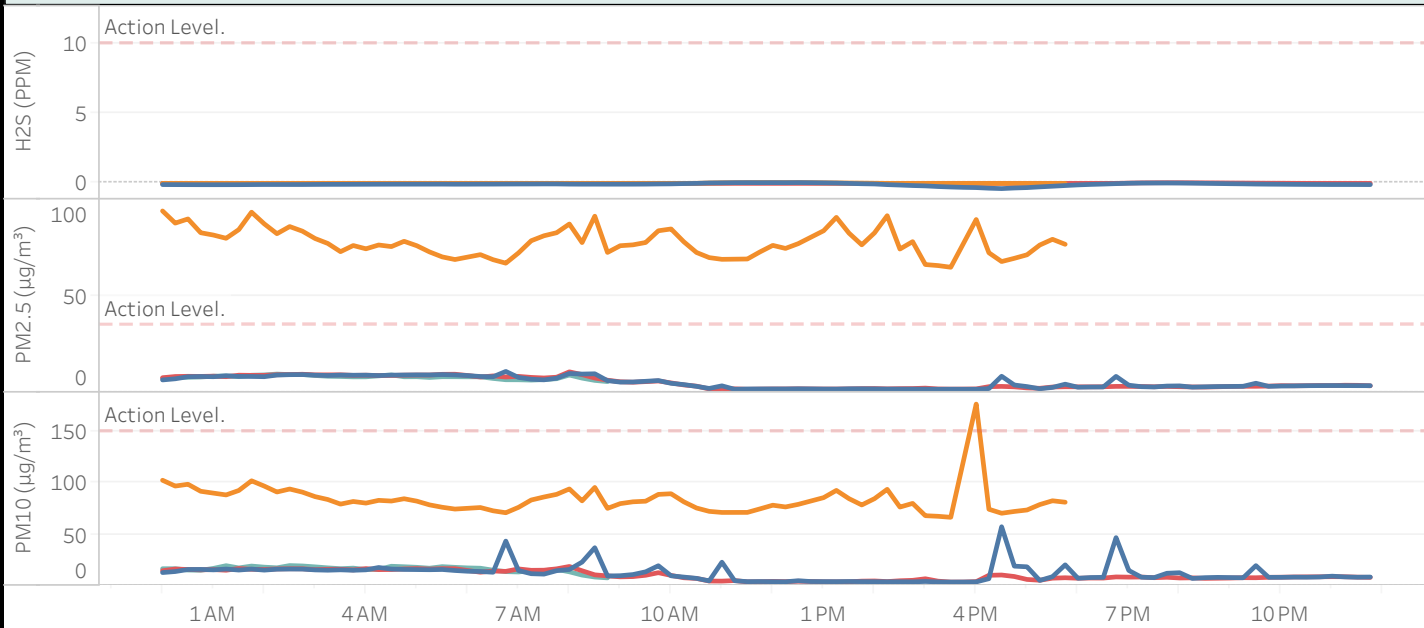


Figure 2 : 15 Minutes Average Concentrations

2943 2995 2996 2997



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Wind Rose Chart 2943

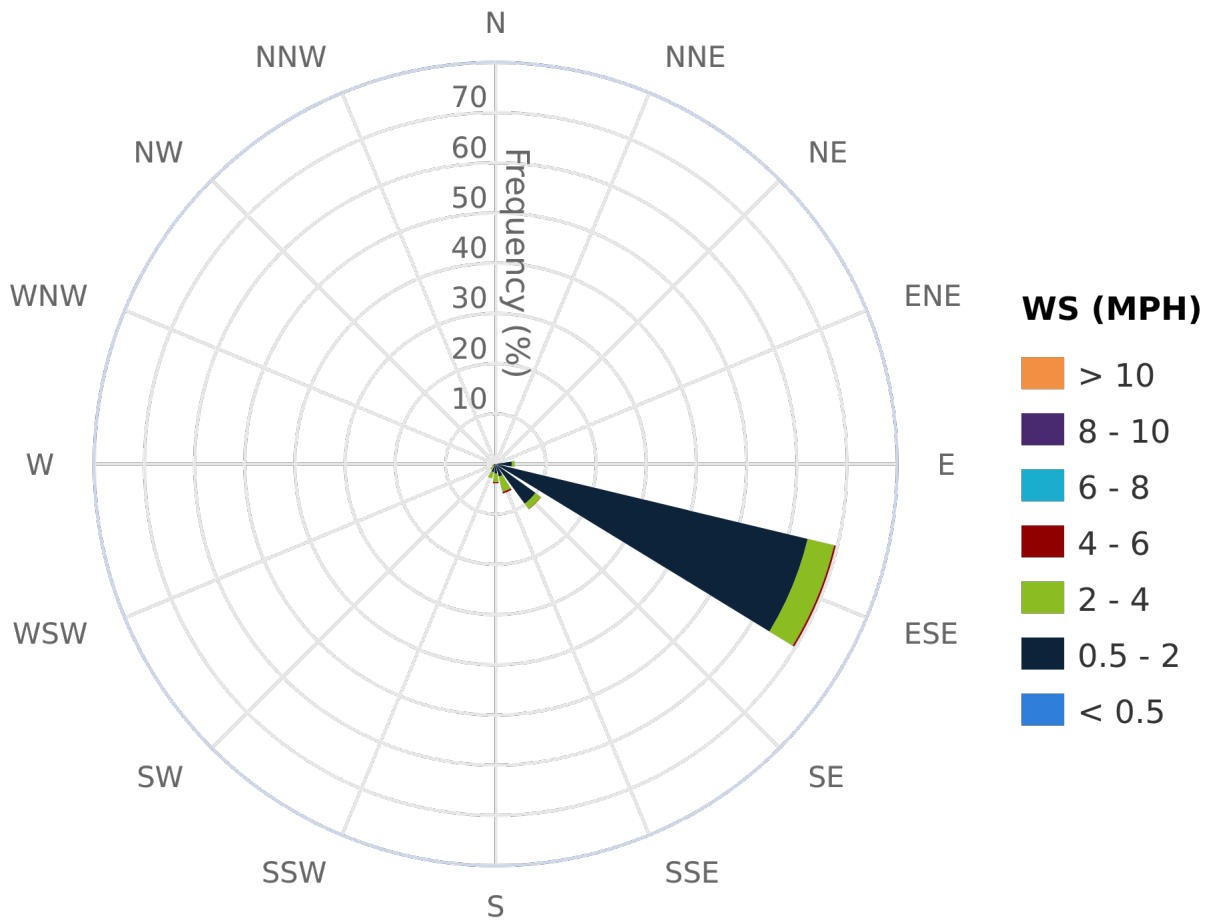


Figure 3 : Wind Rose Chart (WS in MPH)



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Florence C&D Landfill – Air Monitoring

Date : 2025-09-21

Wind Rose Chart 2995

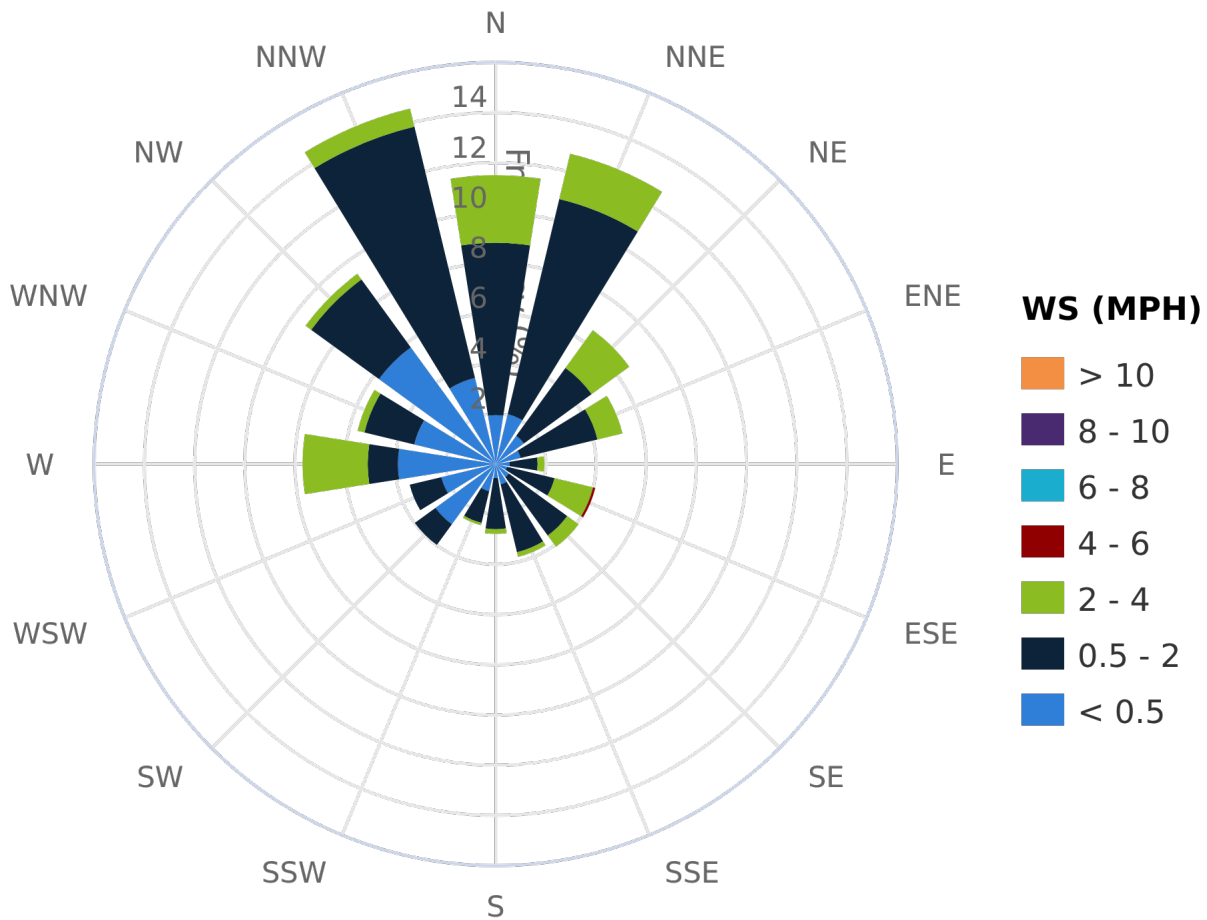


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

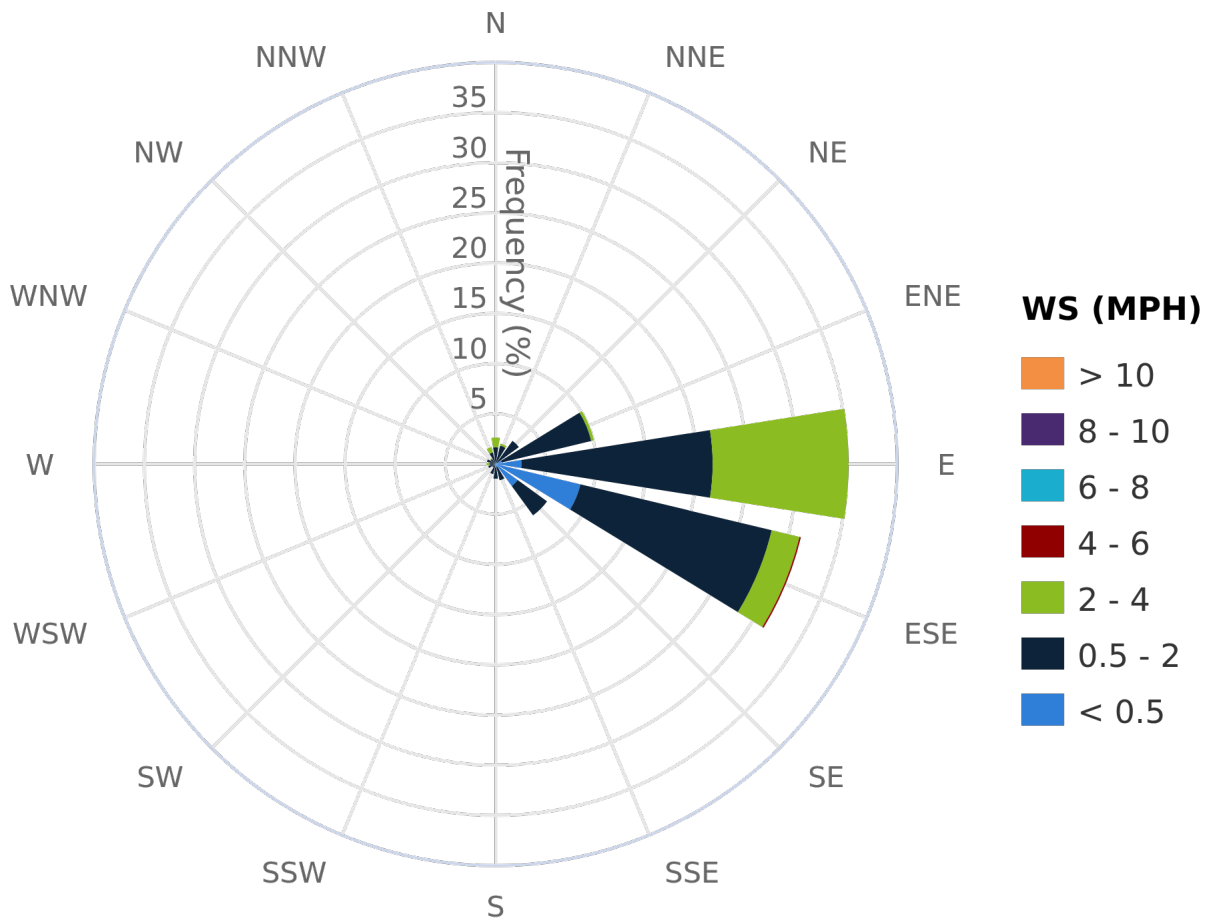


Figure 3 : Wind Rose Chart (WS in MPH)



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Florence C&D Landfill – Air Monitoring

Date : 2025-09-21

Wind Rose Chart 2997

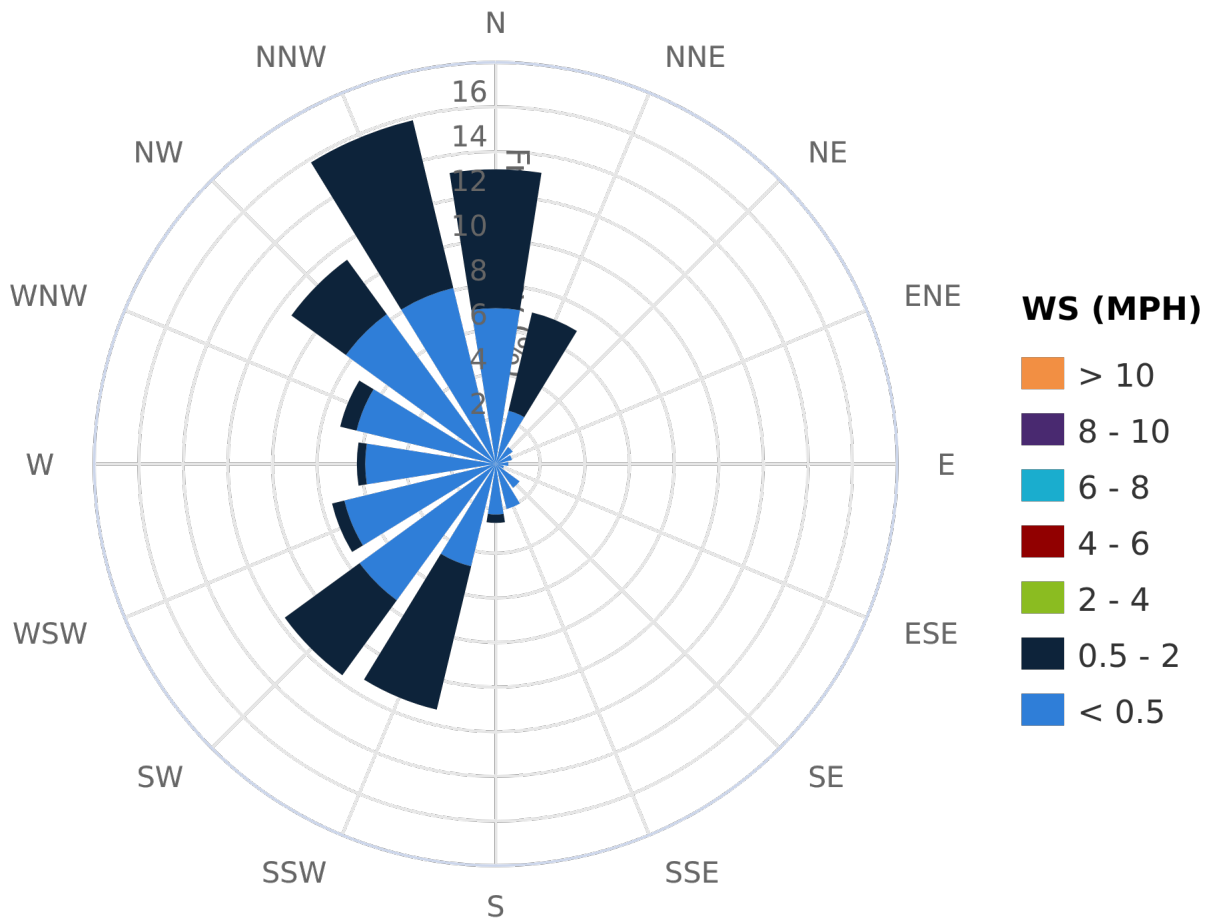


Figure 3 : Wind Rose Chart (WS in MPH)



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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	12.8	102.6	16.6	14.6	6.6	94.1	7.7	7.4	-0.086	0.000	0.000	0.000
00:15:00	13.8	96.9	16.6	16.3	7.2	87.8	8.4	8.0	-0.089	0.000	0.000	0.000
00:30:00	15.8	98.7	15.3	15.8	8.2	90.0	8.5	8.0	-0.092	0.000	0.000	0.000
00:45:00	15.9	91.8	15.0	15.5	8.4	82.8	8.4	8.1	-0.095	0.000	0.000	0.000
01:00:00	15.4	90.0	16.9	15.7	8.2	81.6	8.5	8.5	-0.095	0.000	0.000	0.000
01:15:00	16.3	88.3	19.5	15.1	8.7	79.9	8.3	8.6	-0.094	0.000	0.002	0.000
01:30:00	15.3	92.6	17.3	16.8	8.4	84.4	9.0	8.3	-0.092	0.000	0.000	0.000
01:45:00	16.2	102.0	19.2	16.0	8.4	93.5	9.0	9.0	-0.087	0.000	0.000	0.000
02:00:00	15.2	96.9	18.1	15.9	8.3	87.4	9.0	9.2	-0.081	0.000	0.000	0.000
02:15:00	16.1	91.1	17.5	16.4	9.1	82.3	9.3	9.6	-0.082	0.000	0.004	0.000
02:30:00	16.3	94.0	19.6	16.5	9.3	86.0	9.4	9.4	-0.081	0.000	0.000	0.000
02:45:00	16.2	91.0	19.3	16.5	9.4	83.6	9.5	9.4	-0.081	0.000	0.000	0.000
03:00:00	15.4	86.6	18.4	15.7	9.0	79.8	9.2	8.9	-0.075	0.000	0.000	0.000
03:15:00	15.1	83.8	17.4	16.0	8.9	77.3	9.2	8.5	-0.071	0.000	0.000	0.000
03:30:00	15.5	79.4	16.6	16.0	9.1	73.0	9.2	8.4	-0.070	0.000	0.000	0.000
03:45:00	15.1	81.9	17.1	15.4	9.0	76.2	8.9	8.2	-0.067	0.000	0.000	0.000
04:00:00	15.5	80.3	15.8	16.7	9.1	74.5	9.0	8.2	-0.064	0.000	0.000	0.000
04:15:00	17.8	83.0	15.9	15.7	8.9	76.5	8.8	8.7	-0.061	0.000	0.000	0.000
04:30:00	16.3	82.3	19.0	15.8	9.1	75.7	8.9	9.2	-0.059	0.000	0.000	0.000
04:45:00	15.9	84.6	18.5	16.3	9.1	78.4	9.1	8.2	-0.057	0.000	0.000	0.000
05:00:00	15.7	82.2	17.9	16.7	9.2	76.1	9.1	8.2	-0.056	0.000	0.000	0.000
05:15:00	15.6	78.6	17.1	16.2	9.2	72.9	9.1	7.9	-0.055	0.000	0.000	0.000
05:30:00	15.8	76.3	18.6	16.7	9.4	70.3	9.5	8.3	-0.054	0.000	0.000	0.000
05:45:00	14.8	74.6	17.9	16.6	9.2	68.9	9.5	8.2	-0.058	0.000	0.000	0.000
06:00:00	14.1		17.4	14.8	8.9		8.9	8.2	-0.057		0.000	0.000
06:15:00	13.9	76.0	17.1	13.2	8.4	71.5	8.1	8.2	-0.054	0.000	0.000	0.000
06:30:00	13.1	72.9	15.1	14.3	8.2	68.9	8.7	7.4	-0.052	0.000	0.000	0.000
06:45:00	43.4	71.0	13.8	14.0	11.0	67.1	8.1	6.7	-0.048	0.000	0.000	0.000
07:00:00	14.8	76.2	13.4	16.4	7.9	72.4	8.4	6.7	-0.045	0.000	0.000	0.000
07:15:00	11.7	83.3	14.8	15.0	7.0	78.7	7.9	6.5	-0.044	0.000	0.000	0.000
07:30:00	11.3	86.3	14.7	15.1	6.6	81.2	7.6	6.7	-0.040	0.000	0.000	0.000
07:45:00	14.7	88.9	15.9	16.5	7.5	82.8	8.0	7.2	-0.041	0.000	0.000	0.000
08:00:00	15.8	94.1	13.6	18.7	9.9	87.3	10.8	9.1	-0.053	0.000	0.000	0.000
08:15:00	23.0	82.5	10.4	14.6	9.6	77.7	9.3	7.5	-0.057	0.000	0.000	0.000
08:30:00	37.0	95.6	8.5	10.6	9.8	91.4	7.6	6.3	-0.056	0.000	0.000	0.000
08:45:00	9.5	75.2	7.7	9.6	6.2	72.6	6.4	5.7	-0.058	0.000	0.000	0.000
09:00:00	9.8	79.8		8.7	5.5	76.1	5.6		-0.058	0.000	0.000	
09:15:00	10.9	81.6		8.9	5.5	76.6	5.4		-0.057	0.000	0.000	
09:30:00	13.6	82.2		10.2	5.9	77.8	5.7		-0.053	0.000	0.000	
09:45:00	19.5	88.8		12.7	6.3	83.8	6.0		-0.042	0.000	0.000	
10:00:00	9.7	89.4		10.1	4.8	84.8	5.0		-0.035	0.000	0.000	
10:15:00	8.5	81.6		7.8	4.2	78.1	4.0		-0.015	0.000	0.000	
10:30:00	7.2	75.6		7.1	3.3	72.6	3.4		0.001	0.007	0.000	
10:45:00	4.8	72.3		4.6	2.2	69.9	1.9		0.029	0.028	0.000	
11:00:00	22.9	71.3		4.5	3.5	69.1	2.1		0.038	0.042	0.000	
11:15:00	4.9			5.1	1.7		2.0		0.050		0.002	
11:30:00	4.0	71.3		3.8	1.9	69.2	1.7		0.054	0.053	0.000	
11:45:00	4.1	74.8		3.9	1.9	72.9	1.8		0.051	0.057	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	4.0	78.3		4.2	1.9	76.3	1.9		0.053	0.056	0.000	
12:15:00	3.9	76.6		4.0	1.9	74.7	1.9		0.051	0.054	0.000	
12:30:00	4.9	79.1		4.4	2.0	77.2	2.0		0.057	0.056	0.000	
12:45:00	4.1			4.2	1.9		1.9		0.049		0.000	
13:00:00	4.1	85.7		3.8	1.9	83.9	1.9		0.038	0.042	0.000	
13:15:00	4.0	92.7		3.8	1.9	90.8	1.9		0.023	0.036	0.000	
13:30:00	4.2	84.6		3.9	2.0	82.6	1.9		-0.002	0.027	0.000	
13:45:00	4.0	78.5		4.5	2.0	76.6	2.1		-0.026	0.021	0.000	
14:00:00	4.0	84.6		4.7	2.0	82.7	2.1		-0.042	0.011	0.000	
14:15:00	3.9	93.7		4.1	1.9	91.6	2.0		-0.089	0.000	0.000	
14:30:00	3.9	76.5		4.9	1.9	74.4	2.1		-0.120	0.000	0.000	
14:45:00	3.8	80.1		5.3	1.8	78.2	2.1		-0.155	0.000	0.000	
15:00:00	4.2	68.1		6.8	1.8	66.4	2.3		-0.179	0.000	0.000	
15:15:00	3.8	67.5		4.5	1.7	65.8	1.9		-0.225	0.000	0.000	
15:30:00	3.6	66.5		3.6	1.8	64.9	1.8		-0.258	0.000	0.000	
15:45:00	3.7			3.6	1.8		1.9		-0.285	0.000	0.000	
16:00:00	3.8	176.6		4.0	1.8	89.7	1.9		-0.300	0.000	0.000	
16:15:00	6.9	74.4		10.2	2.1	72.4	3.1		-0.343	0.000	0.000	
16:30:00	57.4	70.5		10.5	8.5	67.9	3.2		-0.371	0.000	0.000	
16:45:00	19.1	72.2		9.0	4.0	69.6	3.0		-0.329	0.000	0.000	
17:00:00	18.4	73.7		6.1	3.1	71.4	2.4		-0.301	0.000	0.000	
17:15:00	5.2	78.9		5.4	2.0	76.4	2.3		-0.249	0.000	0.000	
17:30:00	8.8	82.6		7.4	2.7	79.4	2.9		-0.203	0.000	0.000	
17:45:00	20.3	81.2		7.8	4.4	76.8	3.1		-0.155	0.000	0.000	
18:00:00	7.3			7.3	2.8		3.0		-0.108		0.000	
18:15:00	8.0			7.5	2.9		3.0		-0.075		0.000	
18:30:00	8.2			7.5	2.9		3.0		-0.049		0.000	
18:45:00	46.8			8.6	8.4		3.2		-0.019		0.002	
19:00:00	14.9			8.4	3.9		3.2		0.009		0.022	
19:15:00	8.3			8.5	3.1		3.2		0.022		0.036	
19:30:00	7.9			7.8	2.9		3.0		0.026		0.043	
19:45:00	12.2			8.2	3.4		3.2		0.027		0.047	
20:00:00	12.7			7.6	3.5		3.1		0.023		0.048	
20:15:00	7.1			7.7	2.8		3.0		0.013		0.044	
20:30:00	7.9			7.2	3.0		2.9		0.002		0.038	
20:45:00	8.2			7.3	3.2		3.0		-0.011		0.034	
21:00:00	8.0			7.5	3.2		3.2		-0.025		0.028	
21:15:00	7.8			7.9	3.3		3.3		-0.034		0.023	
21:30:00	19.6			7.8	4.9		3.3		-0.049		0.016	
21:45:00	8.2			8.2	3.3		3.4		-0.057		0.011	
22:00:00	8.2			8.3	3.4		3.6		-0.063		0.010	
22:15:00	8.4			8.6	3.5		3.5		-0.070		0.004	
22:30:00	8.3			8.7	3.6		3.6		-0.075		0.000	
22:45:00	8.5			8.7	3.6		3.7		-0.078		0.000	
23:00:00	9.3			8.8	3.7		3.7		-0.082		0.000	
23:15:00	8.6			8.8	3.6		3.8		-0.082		0.000	
23:30:00	8.3			8.4	3.6		3.8		-0.084		0.000	
23:45:00	8.5			8.1	3.6		3.5		-0.087		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						94.1						
00:15:00						87.8						
00:30:00						90.0						
00:45:00						82.8						
01:00:00						81.6						
01:15:00						79.9						
01:30:00						84.4						
01:45:00						93.5						
02:00:00						87.4						
02:15:00						82.3						
02:30:00						86.0						
02:45:00						83.6						
03:00:00						79.8						
03:15:00						77.3						
03:30:00						73.0						
03:45:00						76.2						
04:00:00						74.5						
04:15:00						76.5						
04:30:00						75.7						
04:45:00						78.4						
05:00:00						76.1						
05:15:00						72.9						
05:30:00						70.3						
05:45:00						68.9						
06:15:00						71.5						
06:30:00						68.9						
06:45:00						67.1						
07:00:00						72.4						
07:15:00						78.7						
07:30:00						81.2						
07:45:00						82.8						
08:00:00						87.3						
08:15:00						77.7						
08:30:00						91.4						
08:45:00						72.6						
09:00:00						76.1						
09:15:00						76.6						
09:30:00						77.8						
09:45:00						83.8						
10:00:00						84.8						
10:15:00						78.1						
10:30:00						72.6						