



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-23

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1000 Max : 11.48	2943 SE	2995 NNE	2996 ENE	2997 None	Min : 69.98 Max : 104.9	Min : 40.00 Max : 94.90	Min : 29.62 Max : 30.22

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	11.7	75.5	4.4	18.8	-0.116	0.061
2995	83.8	185.3	78.4	96.1	0.006	0.059
2996	10.7	33.0	4.6	16.6	0.003	0.088



Figure 1 : Monitoring Locations

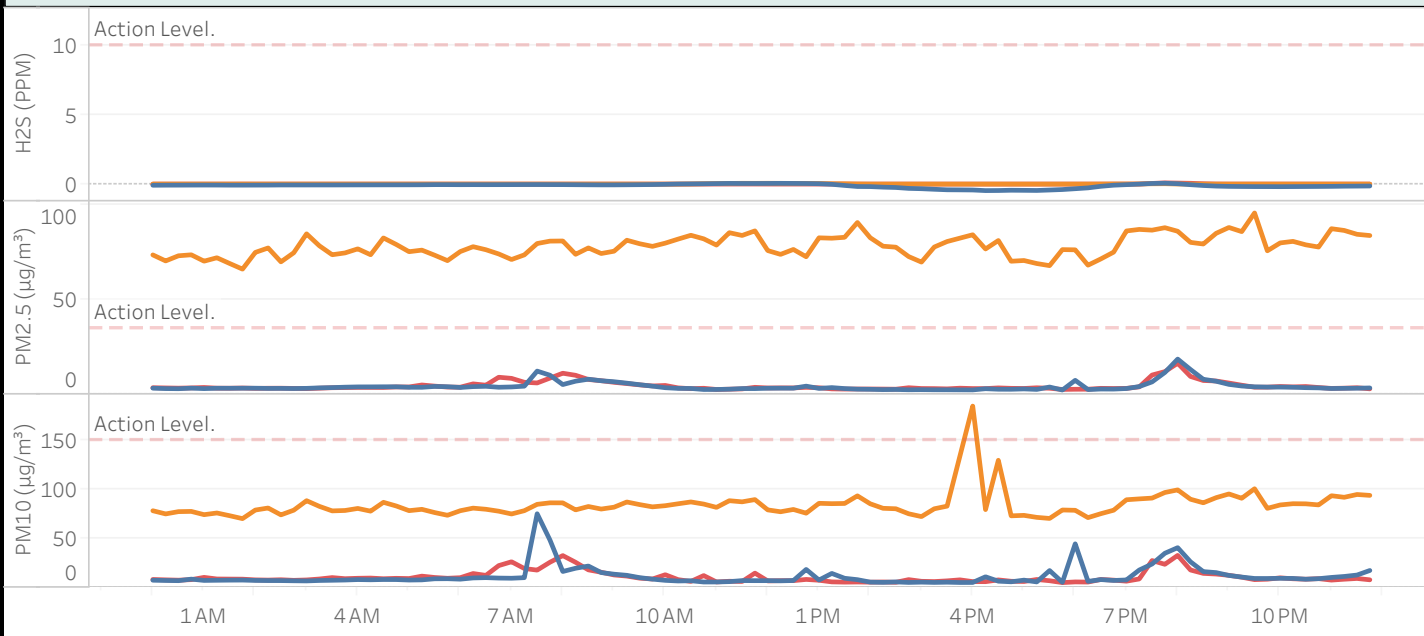


Figure 2 : 15 Minutes Average Concentrations

2943

2995

2996



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Wind Rose Chart 2943

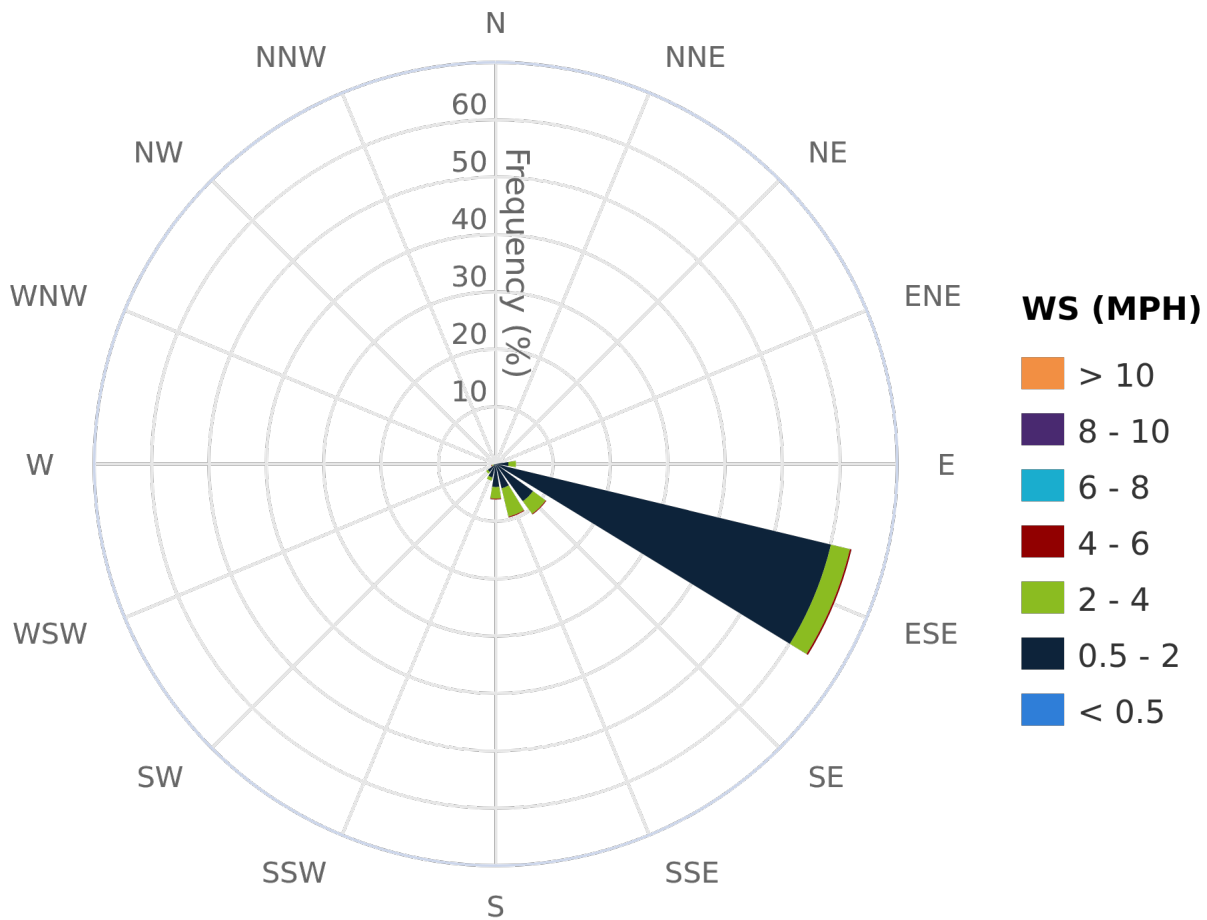


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

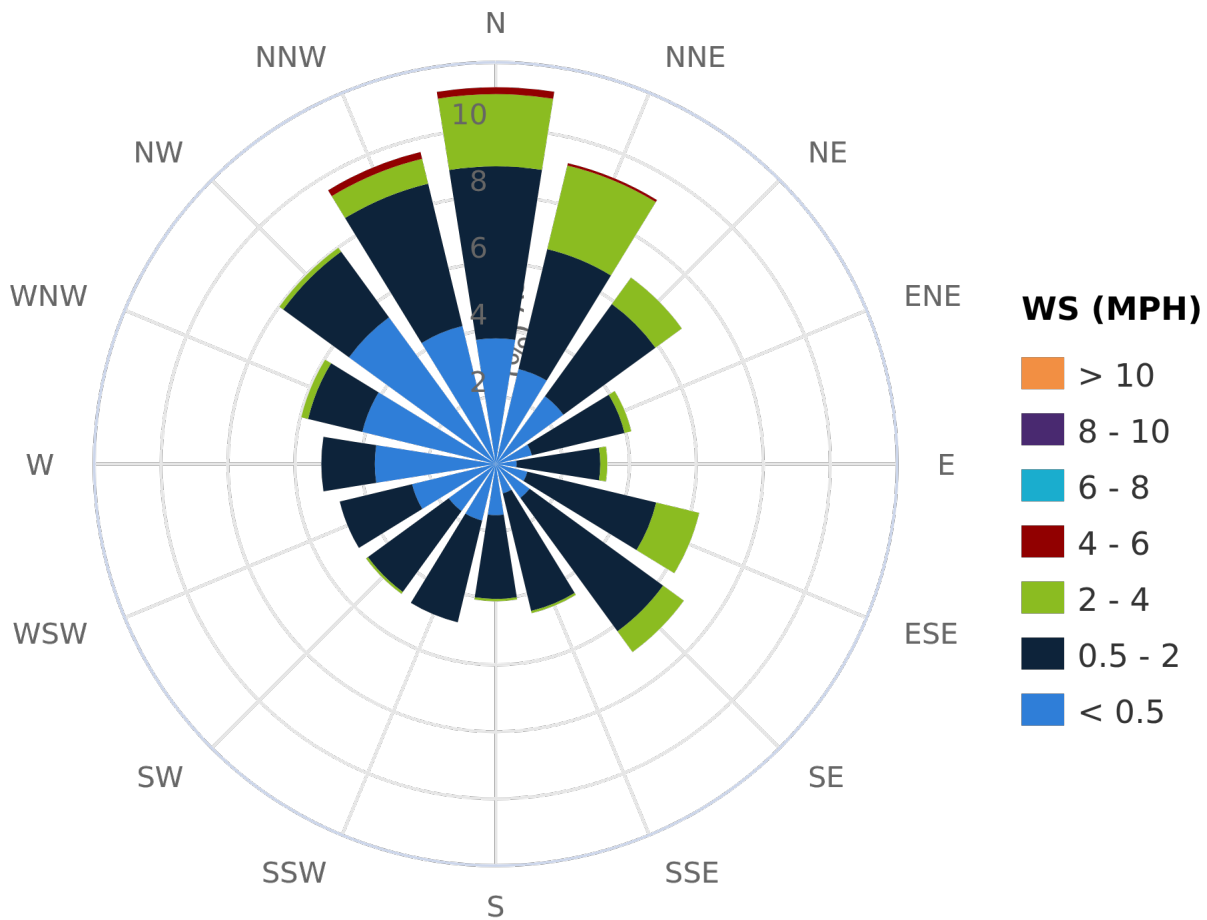


Figure 3 : Wind Rose Chart (WS in MPH)



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Date : 2025-09-23

Wind Rose Chart 2996

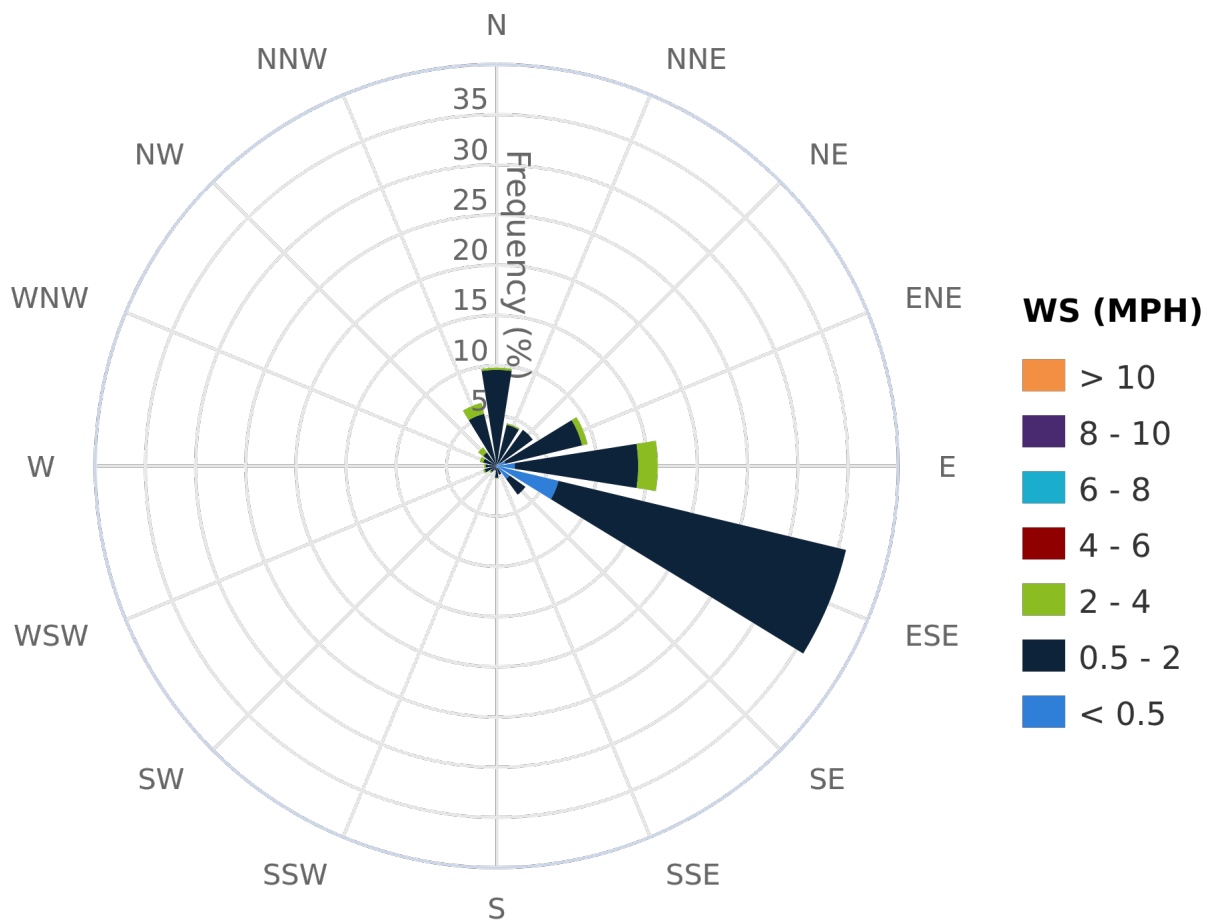


Figure 3 : Wind Rose Chart (WS in MPH)



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Florence C&D Landfill – Air Monitoring

Date : 2025-09-21

Wind Rose Chart 2997

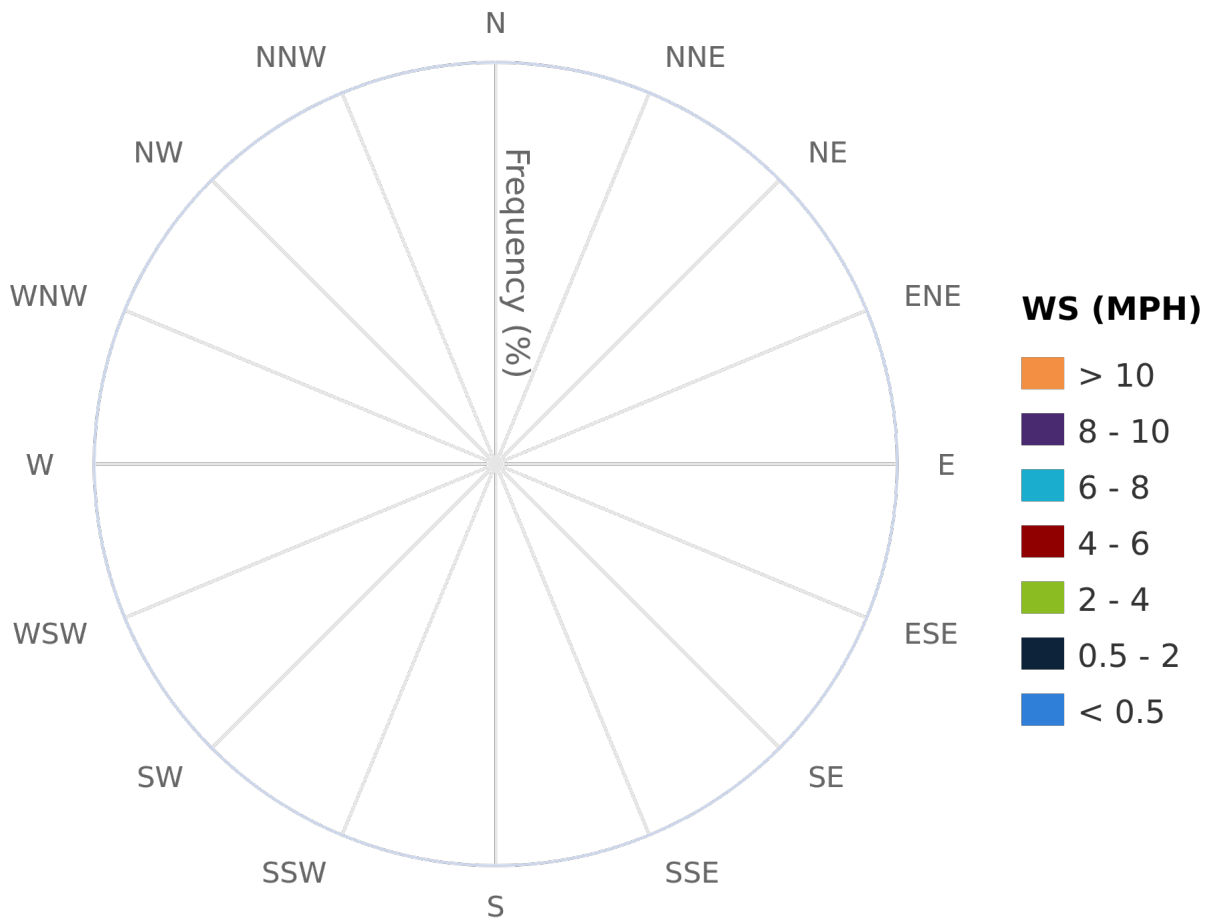


Figure 3 : Wind Rose Chart (WS in MPH)



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Florence C&D Landfill – Air Monitoring

Date : 2025-09-23

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	7.7	78.6		8.5	3.4	73.9	3.7		-0.084	0.000	0.000	
00:15:00	7.4	75.3		8.1	3.2	70.7	3.5		-0.078	0.000	0.000	
00:30:00	7.2	77.7		7.8	3.1	73.4	3.4		-0.076	0.000	0.000	
00:45:00	8.8	77.9		8.3	3.4	74.0	3.6		-0.073	0.000	0.000	
01:00:00	7.5	74.6		10.6	3.2	70.6	3.8		-0.070	0.000	0.000	
01:15:00	7.6	76.3		9.0	3.4	72.4	3.4		-0.071	0.000	0.000	
01:30:00	7.8	73.5		8.9	3.4	69.4	3.4		-0.076	0.000	0.000	
01:45:00	7.8	70.5		8.8	3.4	66.4	3.5		-0.076	0.000	0.002	
02:00:00	7.5	79.3		8.1	3.4	75.2	3.3		-0.074	0.000	0.000	
02:15:00	7.3	81.3		7.8	3.3	77.6	3.4		-0.073	0.000	0.000	
02:30:00	7.3	74.4		8.2	3.3	70.2	3.4		-0.065	0.000	0.000	
02:45:00	7.1	79.1		7.6	3.2	75.0	3.3		-0.065	0.000	0.000	
03:00:00	7.0	88.8		8.0	3.3	85.0	3.2		-0.065	0.000	0.000	
03:15:00	7.4	83.0		9.0	3.6	78.7	3.4		-0.064	0.000	0.000	
03:30:00	7.7	78.4		10.4	3.7	74.0	3.7		-0.064	0.000	0.000	
03:45:00	7.9	78.8		9.3	4.0	74.9	3.7		-0.062	0.000	0.000	
04:00:00	8.3	80.9		9.7	4.1	77.1	3.8		-0.059	0.000	0.000	
04:15:00	8.1	78.1		9.9	4.1	74.0	3.8		-0.058	0.000	0.000	
04:30:00	8.4	87.2		9.2	4.2	82.9	3.8		-0.056	0.000	0.000	
04:45:00	8.4	83.4		9.6	4.2	79.4	4.1		-0.055	0.000	0.000	
05:00:00	7.9	78.7		9.4	3.9	75.6	4.1		-0.054	0.000	0.000	
05:15:00	8.0	80.0		11.9	3.9	76.4	5.1		-0.050	0.000	0.000	
05:30:00	9.2	76.7		10.5	4.3	73.7	4.5		-0.040	0.000	0.000	
05:45:00	9.2	73.9		9.7	4.2	70.9	4.0		-0.040	0.000	0.000	
06:00:00	8.8	78.6		10.3	3.8	75.7	3.9		-0.044	0.000	0.000	
06:15:00	10.0	81.2		14.5	4.2	78.3	5.7		-0.041	0.000	0.000	
06:30:00	10.3	80.1		12.6	4.4	76.6	5.0		-0.043	0.000	0.000	
06:45:00	9.9	78.1		22.6	3.9	74.4	9.2		-0.041	0.000	0.000	
07:00:00	9.7	75.3		26.5	4.1	71.5	8.6		-0.039	0.000	0.000	
07:15:00	10.3	78.6		19.6	4.5	73.9	6.5		-0.035	0.000	0.000	
07:30:00	75.5	85.1		18.0	12.5	79.9	6.2		-0.034	0.000	0.000	
07:45:00	48.7	86.6		26.0	10.3	81.2	8.8		-0.038	0.000	0.000	
08:00:00	16.6	86.6		32.8	5.3	81.3	11.3		-0.040	0.000	0.000	
08:15:00	19.9	79.4		26.0	7.1	74.2	10.2		-0.046	0.000	0.000	
08:30:00	22.2	82.9		18.3	8.2	77.6	8.0		-0.053	0.000	0.000	
08:45:00	15.5	80.3		15.8	7.3	74.6	7.4		-0.058	0.000	0.000	
09:00:00	13.9	82.2		13.1	6.8	75.9	6.5		-0.057	0.000	0.000	
09:15:00	12.7	87.5		11.9	6.1	81.7	5.9		-0.051	0.000	0.000	
09:30:00	10.3	84.8		9.8	5.3	79.8	5.2		-0.044	0.000	0.000	
09:45:00	8.8	82.5		8.9	4.5	78.4	4.6		-0.033	0.000	0.000	
10:00:00	7.6	83.7		13.3	3.7	80.1	4.9		-0.016	0.000	0.000	
10:15:00	6.9	85.7		8.3	3.3	82.3	3.6		0.005	0.000	0.000	
10:30:00	7.1	87.5		6.5	3.3	84.3	3.2		0.014	0.007	0.000	
10:45:00	5.9	85.4		12.4	2.7	82.4	3.4		0.022	0.022	0.000	
11:00:00	5.9	82.0		5.9	2.7	79.1	2.7		0.036	0.034	0.000	
11:15:00	6.3	88.8		6.7	2.9	85.6	2.9		0.049	0.049	0.001	
11:30:00	7.3	87.6		6.4	3.2	84.2	3.0		0.044	0.057	0.003	
11:45:00	7.2	89.9		14.9	3.2	86.6	3.9		0.044	0.055	0.003	



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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	7.3	79.4		7.0	3.4	76.2	3.5		0.047	0.059	0.001	
12:15:00	7.1	77.5		7.3	3.4	74.2	3.6		0.053	0.055	0.000	
12:30:00	7.4	79.9		7.3	3.4	76.8	3.6		0.049	0.051	0.000	
12:45:00	18.7	76.1		8.5	4.5	72.9	3.9		0.042	0.046	0.000	
13:00:00	7.9	86.1		7.7	3.3	82.9	3.6		0.026	0.041	0.000	
13:15:00	14.6	85.8		6.0	3.7	82.7	3.0		-0.016	0.028	0.000	
13:30:00	9.7	86.0		5.7	3.2	83.2	2.9		-0.098	0.023	0.000	
13:45:00	8.3	93.8		5.9	2.9	91.0	3.0		-0.174	0.007	0.000	
14:00:00	5.8	85.7		5.7	2.8	83.0	3.0		-0.181	0.001	0.000	
14:15:00	5.5	81.1		5.9	2.7	78.5	2.9		-0.220	0.000	0.000	
14:30:00	6.0	80.6		5.6	2.7	78.0	2.9		-0.245	0.000	0.000	
14:45:00	5.4	75.5		8.3	2.6	73.0	3.7		-0.309	0.000	0.000	
15:00:00	5.7	72.6		6.6	2.6	70.1	3.2		-0.333	0.000	0.000	
15:15:00	5.5	80.6		6.3	2.6	78.1	3.2		-0.373	0.000	0.000	
15:30:00	5.7	83.3		7.1	2.6	81.0	3.0		-0.410	0.000	0.000	
15:45:00	5.4			8.1	2.5		3.4		-0.416	0.000	0.000	
16:00:00	5.4	185.3		6.3	2.5	84.6	3.2		-0.424	0.000	0.000	
16:15:00	11.2	79.7		6.2	3.1	77.0	3.2		-0.468	0.000	0.000	
16:30:00	6.7	130.0		8.0	2.9	81.5	3.6		-0.462	0.000	0.000	
16:45:00	6.1	73.4		6.6	2.8	70.6	3.3		-0.442	0.000	0.000	
17:00:00	7.8	73.9		6.4	3.0	70.9	3.3		-0.449	0.000	0.000	
17:15:00	6.0	71.8		8.4	2.8	69.3	3.6		-0.458	0.000	0.000	
17:30:00	17.6	70.7		7.2	4.0	68.2	3.4		-0.426	0.000	0.000	
17:45:00	5.6	79.3		5.3	2.4	76.7	2.8		-0.392	0.000	0.000	
18:00:00	44.8	79.0		6.0	7.6	76.6	2.9		-0.333	0.000	0.000	
18:15:00	6.5	71.5		5.8	2.7	68.5	2.9		-0.272	0.000	0.000	
18:30:00	8.3	75.6		8.5	3.0	71.8	3.3		-0.160	0.002	0.000	
18:45:00	7.5	79.1		7.8	2.9	75.4	3.3		-0.081	0.009	0.000	
19:00:00	8.0	89.8		6.7	3.2	86.6	3.3		-0.041	0.008	0.000	
19:15:00	18.1	90.7		9.0	4.3	87.4	4.1		0.000	0.011	0.002	
19:30:00	24.2	91.5		27.8	6.7	87.0	10.4		0.043	0.021	0.048	
19:45:00	35.2	97.2		23.9	11.7	88.3	12.2		0.061	0.026	0.088	
20:00:00	40.9	99.8		33.0	18.8	86.4	16.6		0.025	0.005	0.073	
20:15:00	26.5	90.3		18.1	13.3	80.5	9.6		-0.043	0.000	0.058	
20:30:00	16.5	86.7		14.7	8.1	79.7	7.5		-0.103	0.000	0.025	
20:45:00	15.5	91.9		14.0	7.1	85.3	7.2		-0.145	0.000	0.004	
21:00:00	12.6	95.7		12.7	5.4	88.4	6.1		-0.166	0.000	0.000	
21:15:00	10.9	91.3		10.8	4.6	86.2	5.0		-0.174	0.000	0.000	
21:30:00	9.5	101.0		8.3	4.1	96.1	3.9		-0.180	0.000	0.000	
21:45:00	9.5	81.0		8.7	4.0	76.1	4.0		-0.181	0.000	0.000	
22:00:00	9.7	84.5		10.1	4.0	80.2	4.3		-0.185	0.000	0.000	
22:15:00	9.5	85.7		9.2	3.9	81.1	4.1		-0.180	0.000	0.000	
22:30:00	8.7	85.6		8.7	3.7	79.2	4.3		-0.175	0.000	0.000	
22:45:00	9.3	84.5		9.3	3.6	78.1	3.8		-0.170	0.000	0.000	
23:00:00	10.5	93.9		7.8	3.2	87.8	3.3		-0.164	0.000	0.000	
23:15:00	11.5	92.3		8.7	3.3	86.8	3.4		-0.151	0.000	0.000	
23:30:00	13.0	95.1		9.5	3.4	84.8	3.7		-0.145	0.000	0.000	
23:45:00	17.6	94.2		8.1	3.5	84.1	3.1		-0.137	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						73.9						
00:15:00						70.7						
00:30:00						73.4						
00:45:00						74.0						
01:00:00						70.6						
01:15:00						72.4						
01:30:00						69.4						
01:45:00						66.4						
02:00:00						75.2						
02:15:00						77.6						
02:30:00						70.2						
02:45:00						75.0						
03:00:00						85.0						
03:15:00						78.7						
03:30:00						74.0						
03:45:00						74.9						
04:00:00						77.1						
04:15:00						74.0						
04:30:00						82.9						
04:45:00						79.4						
05:00:00						75.6						
05:15:00						76.4						
05:30:00						73.7						
05:45:00						70.9						
06:00:00						75.7						
06:15:00						78.3						
06:30:00						76.6						
06:45:00						74.4						
07:00:00						71.5						
07:15:00						73.9						
07:30:00						79.9						
07:45:00						81.2						
08:00:00						81.3						
08:15:00						74.2						
08:30:00						77.6						
08:45:00						74.6						
09:00:00						75.9						
09:15:00						81.7						
09:30:00						79.8						
09:45:00						78.4						
10:00:00						80.1						
10:15:00						82.3						