



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-11-16

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1200 Max : 31.70	2943 E	2693 S	2996 W	2997 NW	Min : 47.84 Max : 86.18	Min : 45.20 Max : 89.60	Min : 29.77 Max : 30.05

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)
2693	11.0	29.4	7.9	26.9	0.001	0.004
2943	14.0	35.7	7.5	18.5	-0.072	0.008
2996	12.9	30.5	7.4	18.2	0.001	0.008
2997	18.6	91.4	11.0	81.4	0.000	0.008



Figure 1 : Monitoring Locations

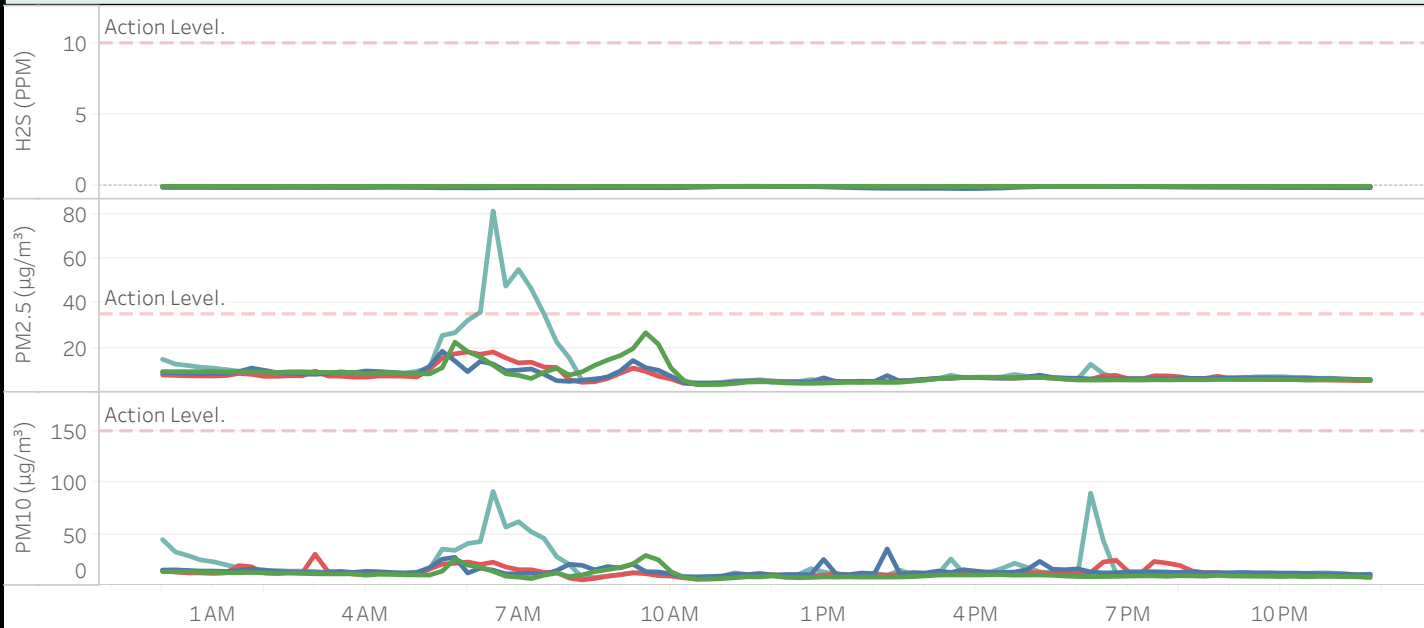


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

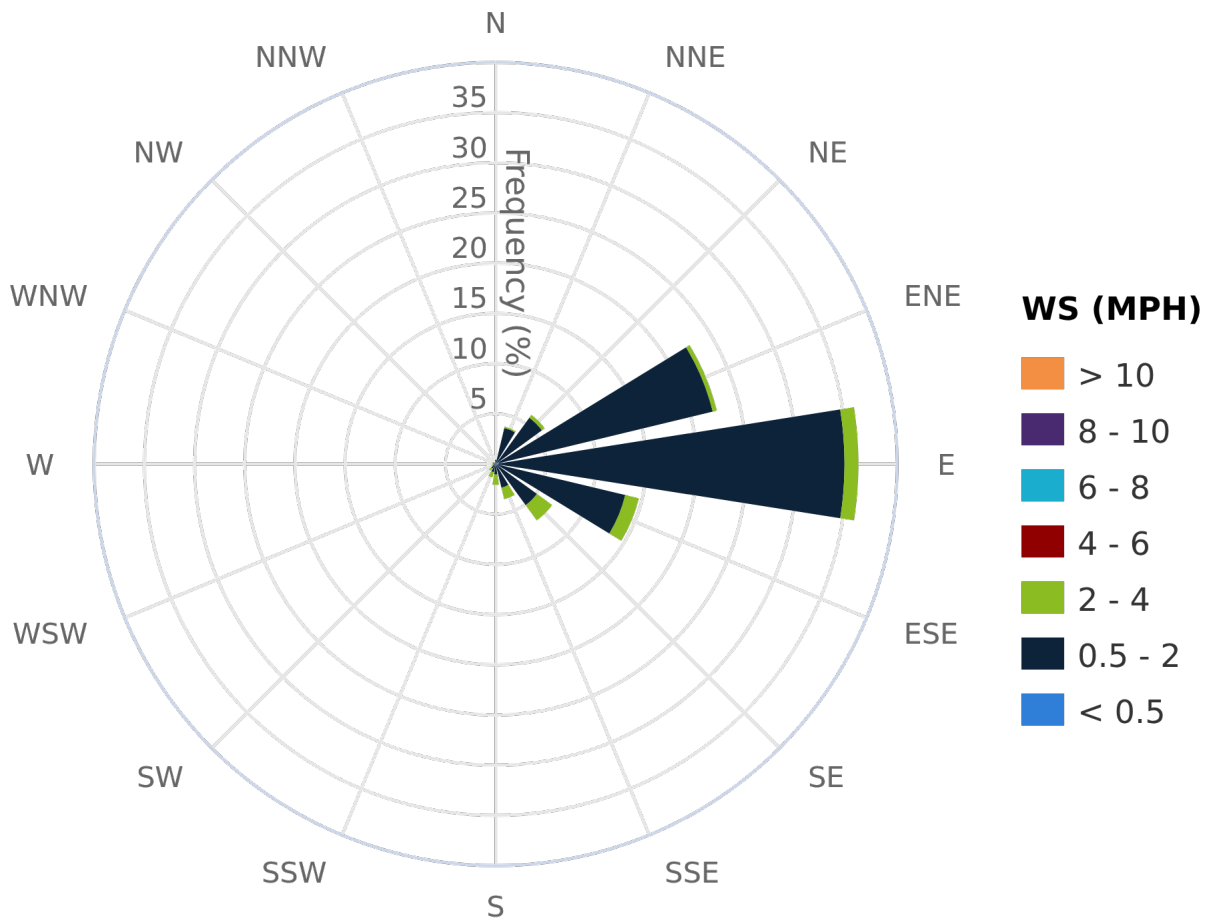


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

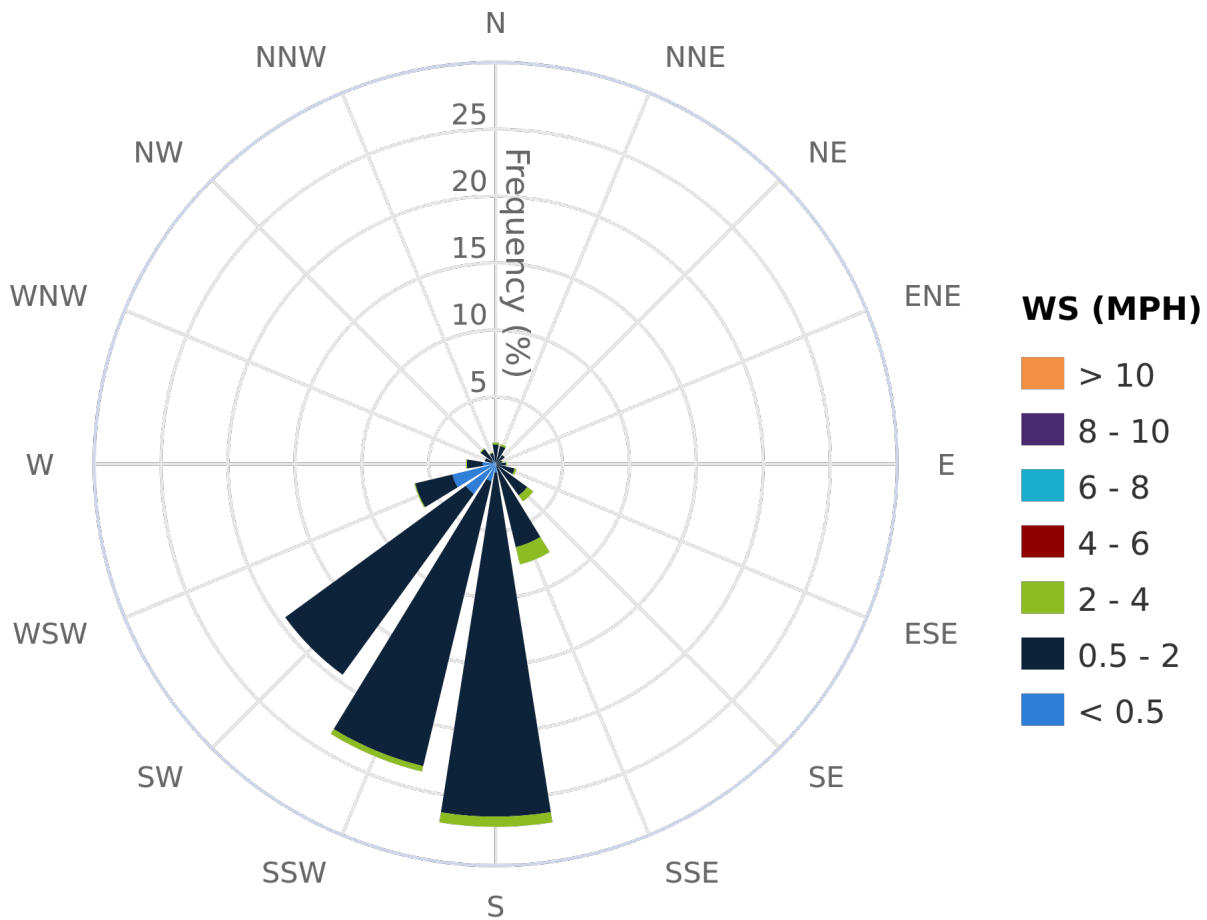


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

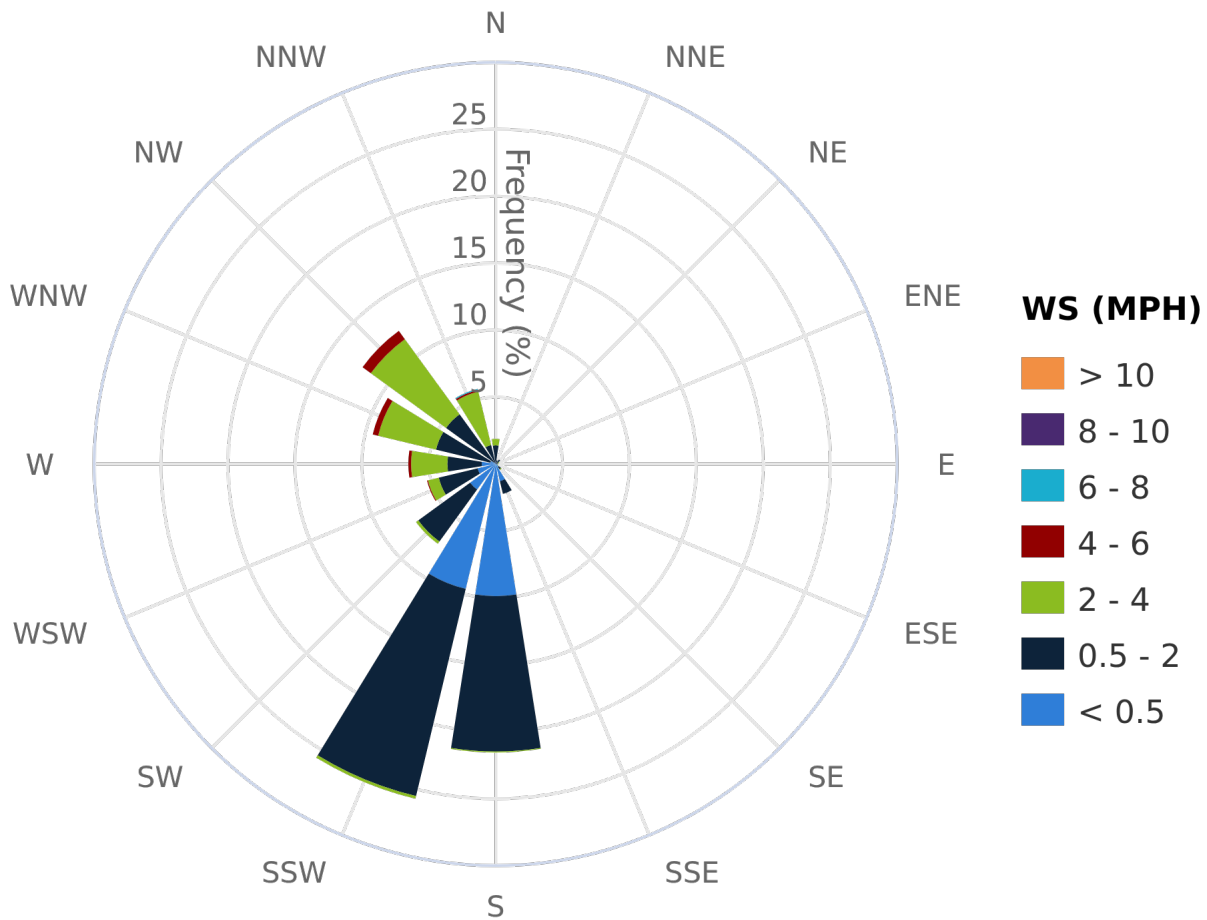


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

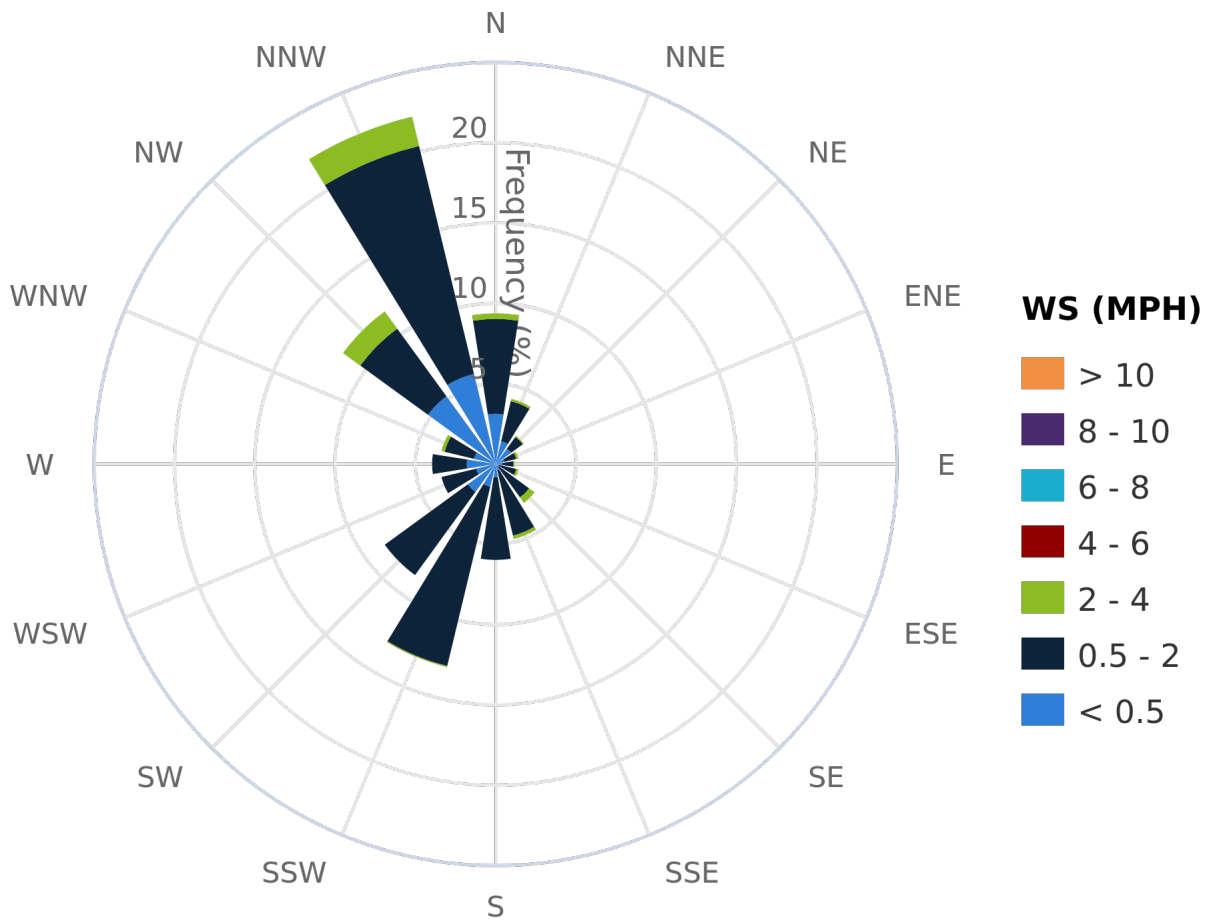


Figure 3 : Wind Rose Chart (WS in MPH)



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 2693 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2693 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2693 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00	15.2	13.7	44.7	14.9	9.0	9.4	7.9	14.9	-0.073	0.000	0.005	0.000
00:15:00	15.4	13.6	32.8	13.3	8.9	9.4	7.7	12.8	-0.073	0.000	0.006	0.000
00:30:00	14.8	13.7	29.2	12.4	8.8	9.4	7.5	12.1	-0.072	0.000	0.006	0.000
00:45:00	14.2	12.9	25.0	12.5	8.6	9.4	7.5	11.4	-0.076	0.001	0.005	0.000
01:00:00	14.2	13.1	23.2	11.9	8.6	9.5	7.4	11.0	-0.078	0.000	0.003	0.000
01:15:00	13.9	12.7	20.3	12.5	8.6	9.3	7.6	10.3	-0.081	0.000	0.001	0.000
01:30:00	14.8	12.6	17.3	19.6	9.4	9.4	8.6	9.7	-0.083	0.000	0.001	0.000
01:45:00	16.3	12.9	15.8	18.3	11.0	9.3	8.2	9.3	-0.079	0.000	0.001	0.000
02:00:00	15.2	12.5	14.7	12.4	10.0	9.2	7.3	9.0	-0.080	0.000	0.000	0.000
02:15:00	13.8	12.1	14.7	11.9	9.0	9.0	7.3	9.1	-0.077	0.000	0.000	0.000
02:30:00	13.5	12.2	14.1	13.0	8.8	9.3	7.6	9.3	-0.074	0.000	0.000	0.000
02:45:00	13.1		14.3	12.5	8.4		7.5	9.5	-0.077		0.000	0.000
03:00:00	12.7	11.6	13.9	30.5	8.2	9.0	9.7	9.2	-0.079	0.001	0.000	0.000
03:15:00	12.8	11.5	12.7	14.0	8.6	9.1	7.4	8.9	-0.076	0.001	0.001	0.000
03:30:00	13.9	11.5	12.6	13.1	9.3	9.0	7.4	8.9	-0.079	0.000	0.000	0.000
03:45:00	12.9	11.6	13.0	11.3	8.9	9.1	7.0	9.1	-0.081	0.000	0.000	0.000
04:00:00	14.0	10.2	12.2	10.8	9.7	8.3	6.9	8.7	-0.077	0.000	0.005	0.000
04:15:00	13.6	11.1	12.0	12.0	9.4	9.0	7.4	8.7	-0.070	0.000	0.008	0.000
04:30:00	12.9	10.9	11.9	12.0	9.1	9.0	7.4	8.8	-0.069	0.000	0.007	0.000
04:45:00	12.4	10.6	12.1	11.6	8.7	8.6	7.4	8.8	-0.071	0.000	0.006	0.000
05:00:00	12.7	10.5	13.2	10.9	8.5	8.5	7.0	9.6	-0.078	0.000	0.001	0.000
05:15:00	17.6	10.4	16.2	16.1	11.8	8.4	10.5	11.1	-0.083	0.000	0.000	0.000
05:30:00	25.8	14.1	35.5	21.0	18.5	11.2	15.5	25.6	-0.099	0.000	0.000	0.000
05:45:00	27.5	26.0	34.3	21.8	14.2	22.6	17.4	26.8	-0.095	0.000	0.000	0.000
06:00:00	12.3	20.1	40.9	23.0	9.4	18.4	18.2	32.4	-0.102	0.000	0.000	0.000
06:15:00	17.1	18.0	42.8	20.6	14.1	15.9	17.2	36.0	-0.103	0.000	0.000	0.000
06:30:00	15.1	14.0	91.4	22.9	12.8	12.4	18.2	81.4	-0.095	0.000	0.000	0.000
06:45:00	11.5	9.3	56.8	18.2	9.8	8.5	15.6	47.7	-0.091	0.000	0.000	0.000
07:00:00	11.7	8.4	62.1	15.6	10.1	7.8	13.3	55.2	-0.089	0.001	0.000	0.000
07:15:00	12.1	6.9	52.2	15.5	10.6	6.3	13.6	46.6	-0.086	0.000	0.000	0.000
07:30:00	11.0	10.2	46.0	13.0	8.3	9.1	11.5	35.3	-0.092	0.000	0.000	0.000
07:45:00	14.8	12.3	28.2	12.9	5.4	11.0	11.3	22.7	-0.097	0.000	0.000	0.000
08:00:00	20.8	8.9	20.6	7.4	5.0	7.9	5.8	15.5	-0.097	0.000	0.000	0.000
08:15:00	19.8	10.5	8.2	5.7	5.6	9.3	4.6	5.5	-0.090	0.000	0.000	0.000
08:30:00	15.4	13.7	8.1	7.1	5.9	12.2	4.9	6.2	-0.090	0.000	0.000	0.000
08:45:00	18.6	15.6	9.2	9.3	7.0	14.6	6.3	6.6	-0.087	0.000	0.000	0.000
09:00:00	17.3	17.6	10.7	10.7	9.7	16.6	8.7	9.0	-0.086	0.000	0.000	0.000
09:15:00	21.0	21.2	12.5	12.6	14.4	19.7	11.0	10.8	-0.086	0.001	0.000	0.000
09:30:00	13.7	29.4	12.7	11.7	11.2	26.9	9.5	10.0	-0.086	0.001	0.000	0.000
09:45:00	13.3	25.1	10.4	9.8	10.0	21.7	7.3	7.7	-0.089	0.000	0.000	0.000
10:00:00	11.5	13.6	10.2	9.3	7.3	11.0	6.1	7.0	-0.089	0.000	0.000	0.000
10:15:00	8.7	8.1	8.9	7.7	4.5	5.4	4.1	4.9	-0.084	0.001	0.000	0.000
10:30:00	8.6	6.2	8.4	7.4	4.1	3.6	3.9	4.5	-0.063	0.001	0.000	0.000
10:45:00	8.8	6.4	8.8	8.1	4.1	3.6	4.1	4.5	-0.044	0.000	0.000	0.000
11:00:00	9.4	6.9	9.2	8.4	4.2	3.7	4.1	4.6	-0.020	0.000	0.000	0.000
11:15:00	11.3	7.8	12.5	9.4	4.8	4.1	4.7	5.3	0.000	0.000	0.000	0.001
11:30:00	10.9	8.7	10.8	9.9	5.3	4.7	5.1	5.3	0.007	0.001	0.000	0.008
11:45:00	11.6	8.5	11.8	9.8	5.3	4.9	5.1	5.8	0.008	0.001	0.000	0.005



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 2693 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2693 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2693 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
12:00:00	10.3	9.5	10.5	10.6	4.7	4.8	5.1	5.2	0.001	0.002	0.000	0.001
12:15:00	10.9	8.2	9.6	9.6	4.9	4.4	4.8	4.9	-0.006	0.002	0.000	0.000
12:30:00	11.0	7.8	10.8	9.7	4.8	4.2	4.8	4.9	-0.006	0.002	0.000	0.000
12:45:00	10.8	8.0	16.6	9.7	4.8	4.2	4.7	5.9	-0.016	0.003	0.000	0.000
13:00:00	25.6	8.6	13.5	10.2	6.7	4.3	4.8	5.2	-0.035	0.004	0.000	0.000
13:15:00	11.1	8.4	10.8	11.8	4.9	4.5	5.1	4.9	-0.060	0.004	0.000	0.000
13:30:00	10.8	8.6	10.3	10.1	5.0	4.6	5.0	4.9	-0.081	0.003	0.000	0.000
13:45:00	12.4	8.3	10.4	9.9	5.1	4.6	5.0	4.8	-0.106	0.003	0.000	0.000
14:00:00	11.7	8.4	12.3	10.5	5.0	4.6	5.1	5.1	-0.121	0.002	0.000	0.000
14:15:00	35.7	8.4	9.9	10.4	7.6	4.6	5.0	4.8	-0.130	0.002	0.000	0.000
14:30:00	11.5	8.5	15.0	10.6	5.1	4.6	5.2	5.5	-0.130	0.002	0.000	0.000
14:45:00	12.8	8.8	11.2	11.3	5.5	5.2	5.6	5.3	-0.133	0.002	0.000	0.000
15:00:00	12.4	9.5	11.3	11.1	6.0	5.6	5.9	5.7	-0.139	0.001	0.000	0.000
15:15:00	14.2	10.3	11.5	11.8	6.5	6.3	6.4	6.2	-0.136	0.001	0.000	0.000
15:30:00	12.9	10.5	25.9	11.7	6.4	6.5	6.6	7.8	-0.143	0.001	0.000	0.000
15:45:00	15.5	10.5	12.4	11.7	6.8	6.7	6.8	6.7	-0.154	0.000	0.000	0.000
16:00:00	14.1	10.4	12.6	11.9	6.8	6.9	6.8	6.8	-0.149	0.000	0.000	0.000
16:15:00	13.2	10.6	12.9	11.9	6.6	6.9	6.7	6.8	-0.132	0.001	0.000	0.000
16:30:00	12.8	10.7	16.6	12.1	6.5	6.8	6.5	7.0	-0.114	0.000	0.000	0.000
16:45:00	13.3	10.3	21.8	11.8	6.6	6.5	6.6	8.1	-0.072	0.001	0.000	0.000
17:00:00	15.6	10.4	17.9	12.6	7.0	6.7	6.7	7.3	-0.041	0.000	0.000	0.000
17:15:00	23.6	10.4	13.4	12.8	7.8	6.8	6.9	7.1	-0.020	0.000	0.000	0.001
17:30:00	16.0	10.2	12.8	11.9	6.8	6.5	6.5	6.8	-0.005	0.000	0.000	0.003
17:45:00	15.5	9.4	12.2	12.1	6.5	6.0	6.2	6.5	0.002	0.000	0.000	0.002
18:00:00	16.4	9.0	12.4	11.5	6.5	5.7	5.9	6.2	0.002	0.000	0.000	0.002
18:15:00	13.4	8.8	89.7	12.7	6.1	5.6	6.0	12.7	0.001	0.000	0.000	0.000
18:30:00	12.4	8.9	43.8	23.0	6.1	5.6	7.6	8.5	-0.004	0.000	0.001	0.000
18:45:00	12.6	9.1	12.2	24.7	6.1	5.7	7.7	6.1	-0.009	0.000	0.002	0.000
19:00:00	13.3	9.3	13.1	13.4	6.2	5.6	6.2	6.3	-0.015	0.000	0.003	0.000
19:15:00	13.3	9.5	13.6	12.7	6.2	5.6	6.1	6.3	-0.022	0.000	0.002	0.000
19:30:00	13.5	9.6	13.3	23.6	6.2	5.8	7.5	6.2	-0.029	0.001	0.000	0.000
19:45:00	13.0	9.2	13.5	21.9	6.1	5.7	7.5	6.2	-0.040	0.000	0.000	0.000
20:00:00	13.0	9.7	12.5	19.7	6.2	5.8	7.1	6.1	-0.048	0.000	0.000	0.000
20:15:00	13.3	9.6	12.9	14.3	6.4	5.8	6.2	6.3	-0.057	0.000	0.000	0.000
20:30:00	12.5	9.3	13.0	12.6	6.3	5.8	6.4	6.3	-0.062	0.000	0.000	0.000
20:45:00	12.5	10.1	12.5	12.7	6.5	5.9	7.4	6.4	-0.065	0.000	0.000	0.000
21:00:00	12.6	9.4	11.9	11.1	6.7	5.9	6.2	6.3	-0.066	0.001	0.000	0.000
21:15:00	12.9	9.3	12.1	11.2	6.7	5.9	6.2	6.7	-0.071	0.001	0.000	0.000
21:30:00	12.6	9.2	11.9	11.4	6.6	5.9	6.2	7.1	-0.075	0.000	0.000	0.000
21:45:00	12.5	9.2	12.1	10.8	6.7	5.9	5.9	7.1	-0.076	0.000	0.000	0.000
22:00:00	12.3	8.9	12.0	11.0	6.6	5.9	6.0	7.2	-0.083	0.001	0.000	0.000
22:15:00	12.3	9.2	11.6	10.9	6.5	5.8	5.9	6.9	-0.083	0.000	0.000	0.000
22:30:00	12.0	8.7	12.1	10.6	6.5	5.6	5.8	6.8	-0.081	0.000	0.000	0.000
22:45:00	11.8	9.1	12.5	10.6	6.3	5.7	5.7	6.4	-0.085	0.000	0.000	0.000
23:00:00	11.5	9.0	12.3	10.5	6.2	5.9	5.6	6.5	-0.087	0.000	0.000	0.000
23:15:00	11.4	8.8	11.4	10.0	6.1	5.8	5.5	5.9	-0.092	0.000	0.000	0.000
23:30:00	10.7	8.7	10.8	10.2	5.9	5.7	5.4	5.7	-0.093	0.000	0.000	0.000
23:45:00	11.0	8.0	11.2	9.9	5.9	5.4	5.4	5.7	-0.092	0.000	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. 2693 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2693 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2693 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
06:15:00								36.0				
06:30:00								81.4				
06:45:00								47.7				
07:00:00								55.2				
07:15:00								46.6				
07:30:00								35.3				