



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-11-14

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1000 Max : 26.55	2943 E	2693 NNE	2996 S	2997 NNW	Min : 44.06 Max : 90.32	Min : 26.00 Max : 88.30	Min : 30.06 Max : 30.34

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	24.2	103.9	18.3	89.4	0.001	0.007
2943	37.5	221.2	11.4	31.3	-0.132	0.024
2996	19.5	108.5	9.6	25.9	0.006	0.039
2997	21.8	89.5	13.4	36.0	0.002	0.024



Figure 1 : Monitoring Locations

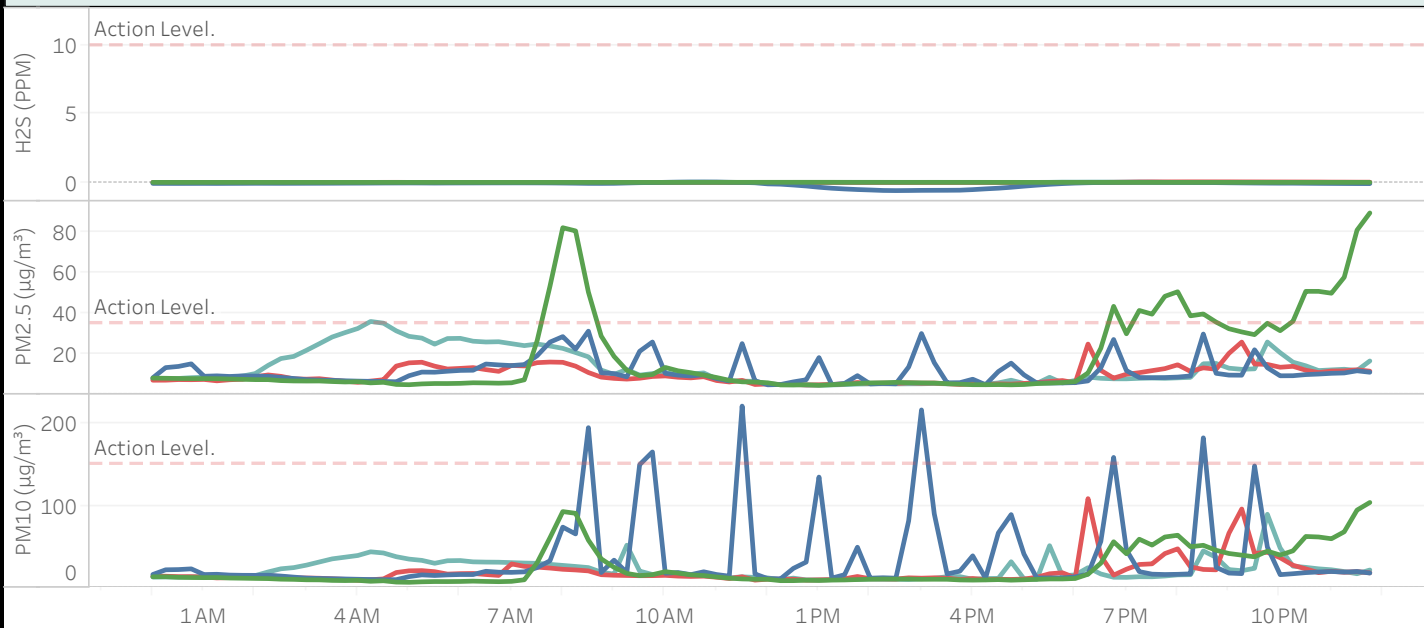


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

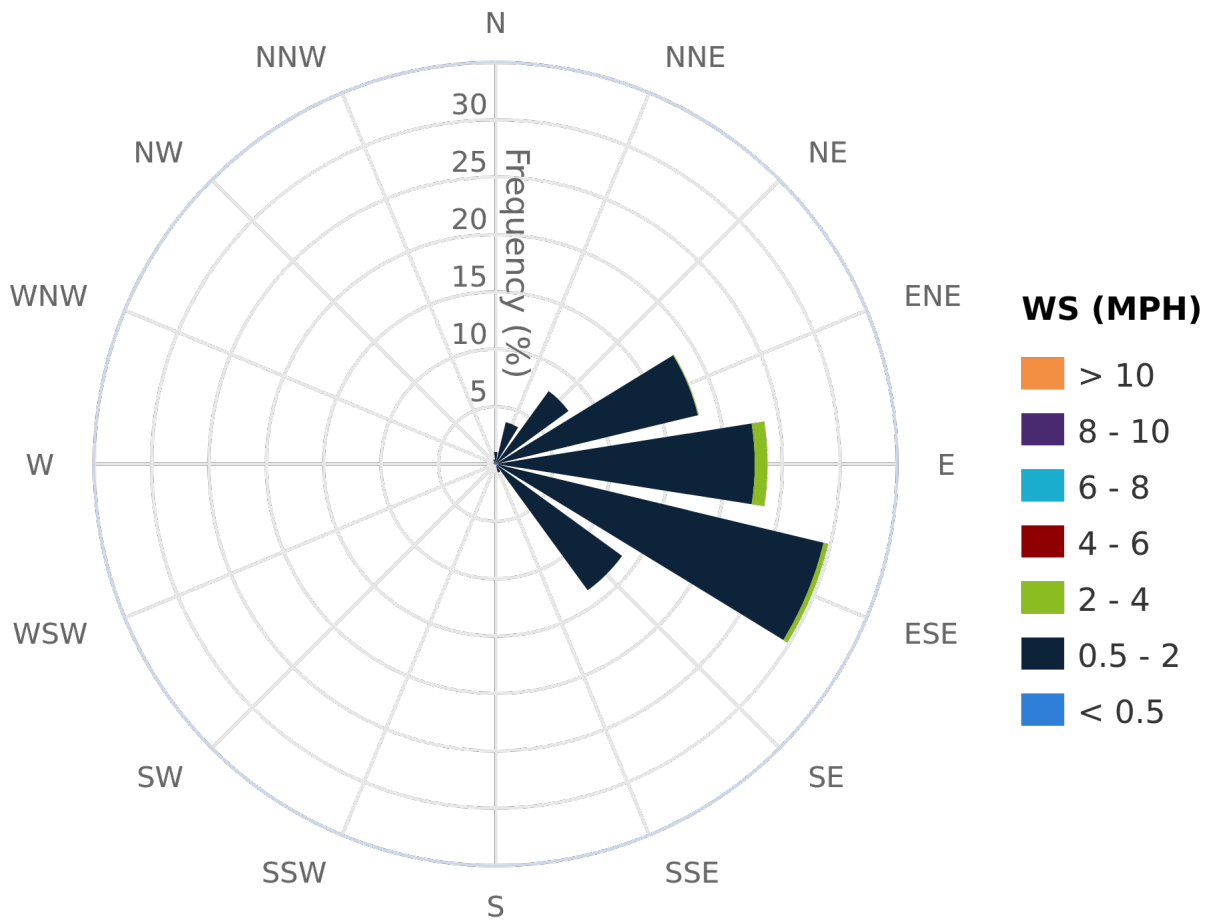


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

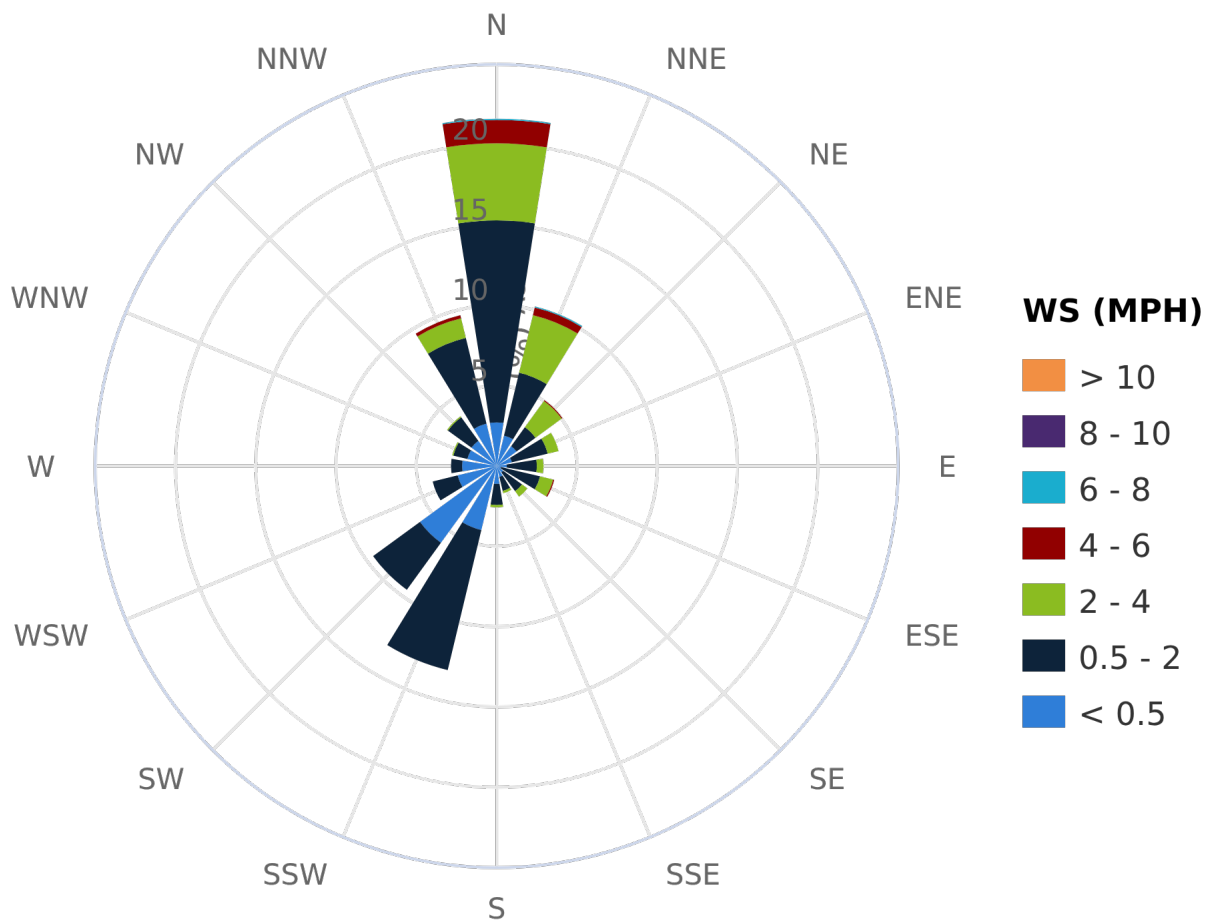


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

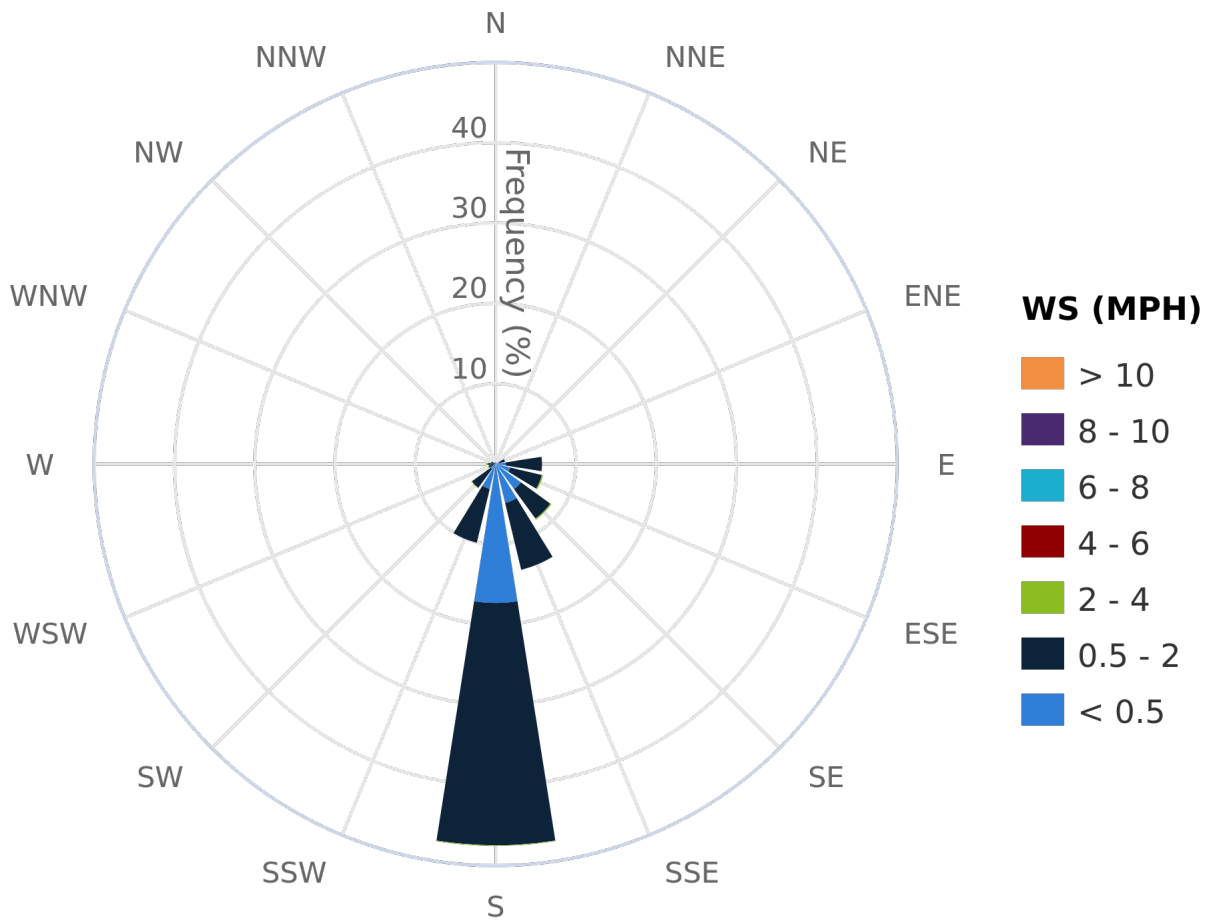


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

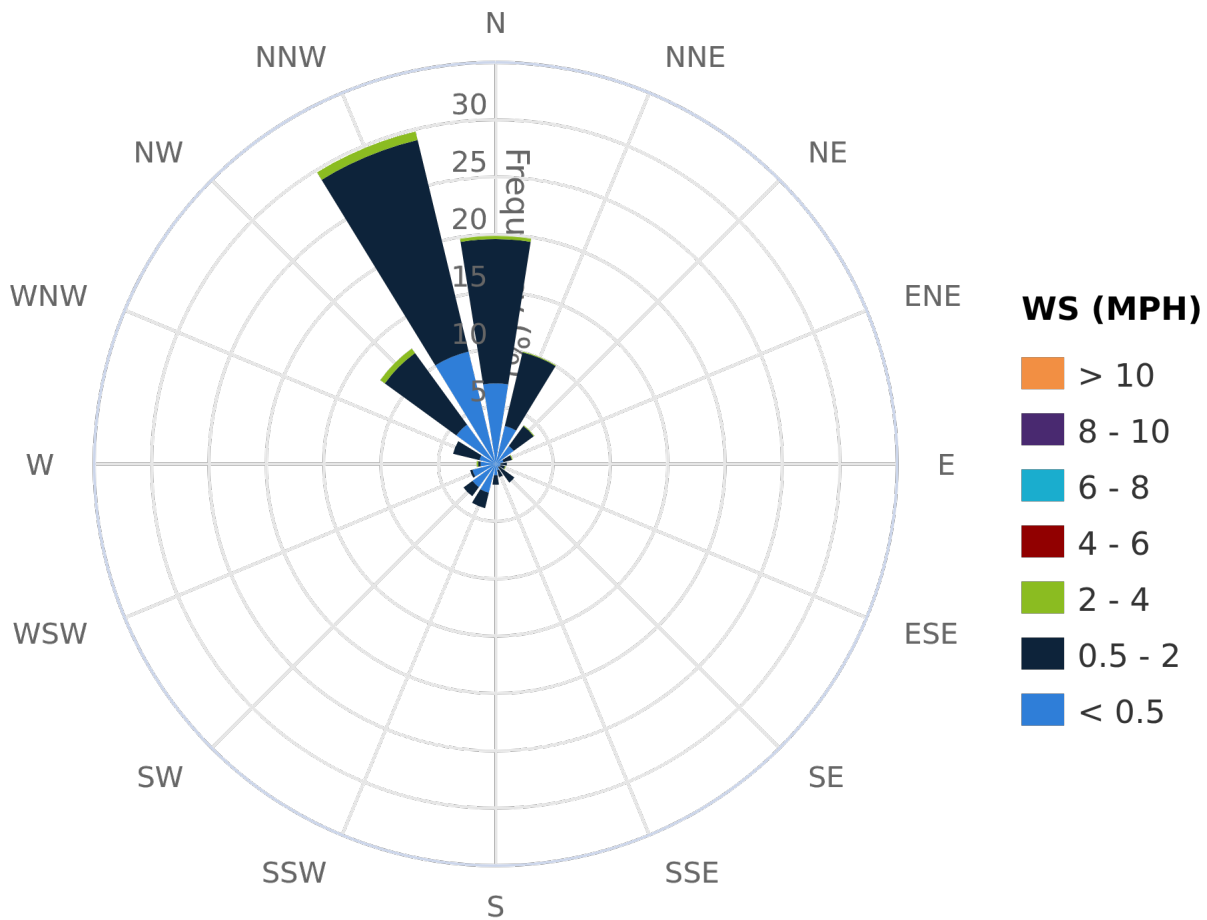


Figure 3 : Wind Rose Chart (WS in MPH)



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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	16.2	13.4	13.0	14.1	8.3	8.1	7.1	7.6	-0.076	0.001	0.000	0.000
00:15:00	21.9	13.4	13.2	14.1	13.3	8.1	7.1	7.8	-0.077	0.001	0.000	0.000
00:30:00	22.2	12.7	13.0	13.6	13.9	7.9	7.4	8.0	-0.079	0.001	0.000	0.000
00:45:00	23.0	12.5	13.3	13.5	15.2	7.9	7.4	8.3	-0.077	0.001	0.000	0.000
01:00:00	16.1	12.3	13.5	13.1	9.0	7.9	7.5	8.6	-0.076	0.001	0.000	0.000
01:15:00	16.4	12.5	13.2	12.0	9.3	7.8	6.8	8.5	-0.079	0.001	0.000	0.000
01:30:00	15.5	11.9	13.5	12.3	8.9	7.7	7.3	8.6	-0.075	0.001	0.000	0.000
01:45:00	15.2	11.6	13.7	12.3	9.2	7.5	7.6	9.1	-0.072	0.001	0.000	0.000
02:00:00	15.1	11.4	14.9	13.6	9.1	7.4	8.8	10.4	-0.068	0.001	0.000	0.000
02:15:00	15.3	11.2	19.3	14.8	9.0	7.4	9.7	14.4	-0.070	0.001	0.000	0.000
02:30:00	14.3	10.5	23.1	13.6	8.5	6.9	9.0	17.8	-0.071	0.000	0.001	0.000
02:45:00	13.0	10.2	24.5	12.0	7.9	6.7	7.8	18.8	-0.069	0.000	0.000	0.000
03:00:00	11.8	9.7	27.6	11.9	7.4	6.7	7.6	21.8	-0.067	0.001	0.000	0.000
03:15:00	11.3	9.6	31.4	11.6	7.2	6.7	7.8	25.1	-0.065	0.000	0.000	0.000
03:30:00	11.0	9.0	35.2	10.9	7.0	6.4	7.2	28.4	-0.063	0.001	0.000	0.000
03:45:00	10.7	8.8	37.2	10.3	6.8	6.2	6.6	30.5	-0.059	0.001	0.000	0.000
04:00:00	10.4	9.0	39.3	9.1	6.7	6.4	6.1	32.6	-0.057	0.000	0.000	0.000
04:15:00	10.1	7.9	43.8	9.8	6.6	5.8	6.7	36.0	-0.053	0.000	0.000	0.000
04:30:00	9.8	8.5	42.4	10.8	6.5	6.1	7.3	35.2	-0.047	0.000	0.002	0.000
04:45:00	9.9	6.9	37.8	18.6	6.3	5.0	14.0	31.4	-0.045	0.000	0.004	0.000
05:00:00	13.5	6.7	34.9	20.6	9.3	4.9	15.6	28.7	-0.043	0.000	0.000	0.000
05:15:00	15.7	7.3	33.4	20.9	11.1	5.3	15.9	27.8	-0.045	0.000	0.000	0.000
05:30:00	14.9	7.6	29.8	19.6	11.0	5.5	14.0	24.8	-0.051	0.000	0.000	0.000
05:45:00	15.7	7.5	32.9	16.7	11.5	5.5	12.6	27.6	-0.046	0.000	0.000	0.000
06:00:00	16.1	7.7	33.1	17.2	11.9	5.6	12.9	27.7	-0.043	0.000	0.000	0.000
06:15:00	16.1	8.1	31.5	17.4	12.0	5.8	13.3	26.3	-0.042	0.000	0.000	0.000
06:30:00	20.1	7.7	31.2	16.1	15.1	5.8	12.3	25.9	-0.039	0.001	0.000	0.000
06:45:00	18.9	7.4	31.1	15.0	14.6	5.6	11.5	26.0	-0.038	0.000	0.000	0.000
07:00:00	18.7	7.8	30.6	29.0	14.3	5.8	14.3	25.1	-0.037	0.000	0.000	0.000
07:15:00	19.4	9.7	30.1	26.1	14.8	7.3	14.1	24.1	-0.037	0.000	0.000	0.000
07:30:00	24.6	30.5	29.8	25.1	19.2	26.6	15.7	24.9	-0.039	0.000	0.000	0.000
07:45:00	32.8	60.9	28.5	24.0	25.9	53.3	16.0	23.9	-0.042	0.000	0.000	0.000
08:00:00	73.8	92.8	27.2	22.5	28.6	82.2	15.9	22.8	-0.051	0.000	0.000	0.000
08:15:00	65.5	90.7	26.0	21.7	22.4	80.6	14.0	20.7	-0.061	0.000	0.000	0.000
08:30:00	194.9	57.9	24.6	20.5	31.3	50.5	10.9	18.6	-0.074	0.000	0.000	0.000
08:45:00	18.5	35.2	19.0	15.9	10.8	28.8	8.6	12.1	-0.076	0.000	0.000	0.000
09:00:00	33.6	24.9	16.6	15.2	10.4	18.8	8.0	10.0	-0.070	0.000	0.000	0.000
09:15:00	18.7	17.5	51.8	15.0	8.8	12.0	7.7	12.4	-0.046	0.000	0.000	0.000
09:30:00	149.8	14.8	20.3	14.7	21.3	9.3	8.1	9.6	-0.024	0.000	0.000	0.000
09:45:00	165.4	16.0	16.1	14.8	25.9	9.9	8.9	10.4	-0.013	0.000	0.000	0.000
10:00:00	17.7	19.6	16.2	15.1	10.5	13.4	9.2	10.8	0.006	0.000	0.000	0.001
10:15:00	18.6	17.8	15.0	14.2	9.6	11.7	8.6	9.8	0.017	0.001	0.000	0.009
10:30:00	16.0	15.8	15.2	13.8	9.2	10.8	8.3	10.1	0.021	0.002	0.000	0.019
10:45:00	19.5	14.9	16.2	14.1	9.8	9.6	8.8	10.7	0.023	0.002	0.000	0.019
11:00:00	16.1	13.2	14.0	12.9	7.9	8.4	7.0	7.8	0.024	0.003	0.000	0.010
11:15:00	14.1	11.6	12.2	11.3	6.7	7.1	6.2	6.8	0.008	0.005	0.000	0.000
11:30:00	221.2	10.8	13.3	13.4	25.1	6.3	7.0	6.7	-0.005	0.005	0.000	0.000
11:45:00	16.8	10.4	12.6	9.3	6.8	6.2	5.0	6.5	-0.032	0.005	0.000	0.000



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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	11.1	10.3	12.0	10.5	4.8	5.8	5.2	5.4	-0.111	0.005	0.000	0.000
12:15:00	10.9	8.6	9.8	10.5	5.0	4.8	5.0	5.0	-0.132	0.006	0.000	0.000
12:30:00	23.6	8.7	11.8	10.4	6.3	4.7	5.0	5.3	-0.193	0.006	0.000	0.000
12:45:00	31.3	9.1	9.6	9.3	7.3	4.9	4.8	4.7	-0.264	0.006	0.000	0.000
13:00:00	134.8	8.9	9.6	9.6	18.2	4.6	4.9	4.6	-0.355	0.007	0.000	0.000
13:15:00	11.8	9.3	9.9	9.9	4.9	4.9	5.0	4.8	-0.427	0.007	0.000	0.000
13:30:00	15.9	9.5	10.1	11.0	5.5	5.2	5.3	4.9	-0.479	0.005	0.000	0.000
13:45:00	49.4	10.0	10.4	13.7	9.4	5.5	6.0	5.2	-0.522	0.005	0.000	0.000
14:00:00	11.7	10.4	10.6	11.0	5.3	5.8	5.6	5.3	-0.553	0.005	0.000	0.000
14:15:00	12.2	10.6	10.4	10.9	5.5	5.9	5.7	5.3	-0.588	0.004	0.000	0.000
14:30:00	11.7	10.6	10.4	10.7	5.3	6.1	5.5	5.3	-0.598	0.003	0.000	0.000
14:45:00	81.5	10.7	10.0	12.1	13.6	5.9	5.8	5.3	-0.592	0.003	0.000	0.000
15:00:00	216.5	10.3	11.0	11.7	30.1	5.8	5.7	5.3	-0.581	0.003	0.000	0.000
15:15:00	89.9	10.4	11.6	12.1	15.7	5.7	5.7	5.5	-0.577	0.004	0.000	0.000
15:30:00	16.8	10.3	13.4	11.6	5.8	5.4	5.4	5.3	-0.575	0.003	0.000	0.000
15:45:00	20.2	9.5	13.6	10.1	5.9	5.2	5.0	5.4	-0.568	0.003	0.000	0.000
16:00:00	38.9	9.3	10.4	11.3	7.6	4.9	5.3	5.4	-0.528	0.003	0.000	0.000
16:15:00	11.7	9.5	11.2	9.8	4.9	4.9	5.0	5.1	-0.472	0.002	0.000	0.000
16:30:00	66.7	9.9	11.4	10.4	11.4	4.9	5.3	5.8	-0.424	0.002	0.000	0.000
16:45:00	89.1	9.3	31.7	10.2	15.5	4.8	5.2	7.1	-0.357	0.002	0.000	0.000
17:00:00	41.0	9.7	10.9	10.6	9.7	5.0	5.5	5.5	-0.276	0.001	0.000	0.000
17:15:00	11.9	10.2	10.2	12.8	5.7	5.4	5.9	5.5	-0.203	0.001	0.000	0.000
17:30:00	12.0	10.7	51.2	17.1	5.7	5.7	6.5	8.5	-0.141	0.001	0.000	0.005
17:45:00	12.0	10.7	14.6	18.3	5.8	5.9	6.9	5.8	-0.090	0.001	0.000	0.020
18:00:00	13.2	11.3	15.6	12.1	5.9	6.4	5.8	7.0	-0.052	0.000	0.000	0.019
18:15:00	16.7	16.5	24.5	108.5	6.8	10.7	24.9	8.6	-0.027	0.000	0.000	0.023
18:30:00	56.4	29.9	16.8	38.9	13.2	22.9	11.9	8.0	-0.009	0.000	0.000	0.024
18:45:00	158.7	56.0	12.8	15.4	27.1	43.5	8.1	7.8	0.001	0.000	0.006	0.021
19:00:00	46.0	41.4	12.7	22.6	11.8	29.9	10.0	7.8	0.009	0.000	0.016	0.014
19:15:00	19.7	59.1	13.5	28.3	8.4	41.4	10.8	8.0	0.011	0.001	0.030	0.010
19:30:00	16.6	51.9	13.4	29.1	8.4	39.6	11.8	8.2	0.009	0.000	0.035	0.004
19:45:00	16.1	61.8	14.3	41.6	8.4	48.4	12.8	8.0	0.003	0.000	0.034	0.000
20:00:00	16.4	63.9	15.7	47.4	8.7	50.6	14.7	8.3	-0.001	0.000	0.036	0.000
20:15:00	17.0	49.9	15.9	25.4	9.2	38.8	11.4	8.5	-0.006	-0.001	0.039	0.000
20:30:00	182.5	51.7	44.9	22.3	29.8	39.7	13.2	15.2	-0.013	-0.001	0.038	0.000
20:45:00	24.9	45.6	37.1	21.8	10.5	35.7	12.5	15.3	-0.021	0.001	0.038	0.000
21:00:00	17.9	41.7	22.1	66.4	9.6	32.4	20.3	13.0	-0.031	0.000	0.038	0.000
21:15:00	17.2	39.7	20.8	95.9	9.6	30.9	25.9	12.5	-0.039	0.000	0.035	0.000
21:30:00	148.3	37.6	23.7	41.8	22.1	29.5	15.1	12.7	-0.048	0.000	0.034	0.000
21:45:00	49.5	44.6	89.5	43.3	13.2	35.1	14.9	25.9	-0.055	0.000	0.032	0.000
22:00:00	16.0	39.8	48.4	36.5	9.3	31.5	13.5	20.6	-0.060	0.001	0.031	0.000
22:15:00	17.1	45.0	26.3	27.4	9.3	36.1	13.9	16.0	-0.059	0.001	0.029	0.000
22:30:00	18.4	62.4	24.9	23.0	9.9	50.8	12.0	14.2	-0.067	0.000	0.028	0.000
22:45:00	19.3	61.8	23.1	18.4	10.1	50.8	10.9	11.9	-0.074	0.000	0.026	0.000
23:00:00	19.8	59.7	21.9	20.1	10.5	49.9	11.6	12.2	-0.079	0.000	0.020	0.000
23:15:00	19.0	68.1	19.8	18.9	10.7	57.8	11.7	12.5	-0.084	0.000	0.019	0.000
23:30:00	19.9	94.6	17.1	19.7	11.7	81.0	12.3	11.9	-0.088	0.001	0.016	0.000
23:45:00	17.9	103.9	21.6	18.1	11.0	89.4	11.6	16.6	-0.091	0.000	0.015	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)
04:15:00								36.0				
04:30:00								35.2				
07:45:00					53.3							
08:00:00					82.2							
08:15:00					80.6							
08:30:00	194.9				50.5							
09:45:00	165.4											
11:30:00	221.2											
15:00:00	216.5											
18:45:00	158.7				43.5							
19:15:00					41.4							
19:30:00					39.6							
19:45:00					48.4							
20:00:00					50.6							
20:15:00					38.8							
20:30:00	182.5				39.7							
20:45:00					35.7							
21:45:00					35.1							
22:15:00					36.1							
22:30:00					50.8							
22:45:00					50.8							
23:00:00					49.9							
23:15:00					57.8							
23:30:00					81.0							
23:45:00					89.4							