



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-09-28

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.04500 Max : 6.577	2943 ESE	2693 N	2996 SE	2997 N	Min : 68.90 Max : 100.6	Min : 47.40 Max : 95.40	Min : 29.82 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	14.3	41.2	3.7	7.1	0.000	0.001
2943	23.0	62.9	5.5	34.8	-0.005	0.102
2996	15.5	40.9	4.4	29.9	0.003	0.037
2997	27.2	69.1	5.9	39.6	0.010	0.062



Figure 1 : Monitoring Locations

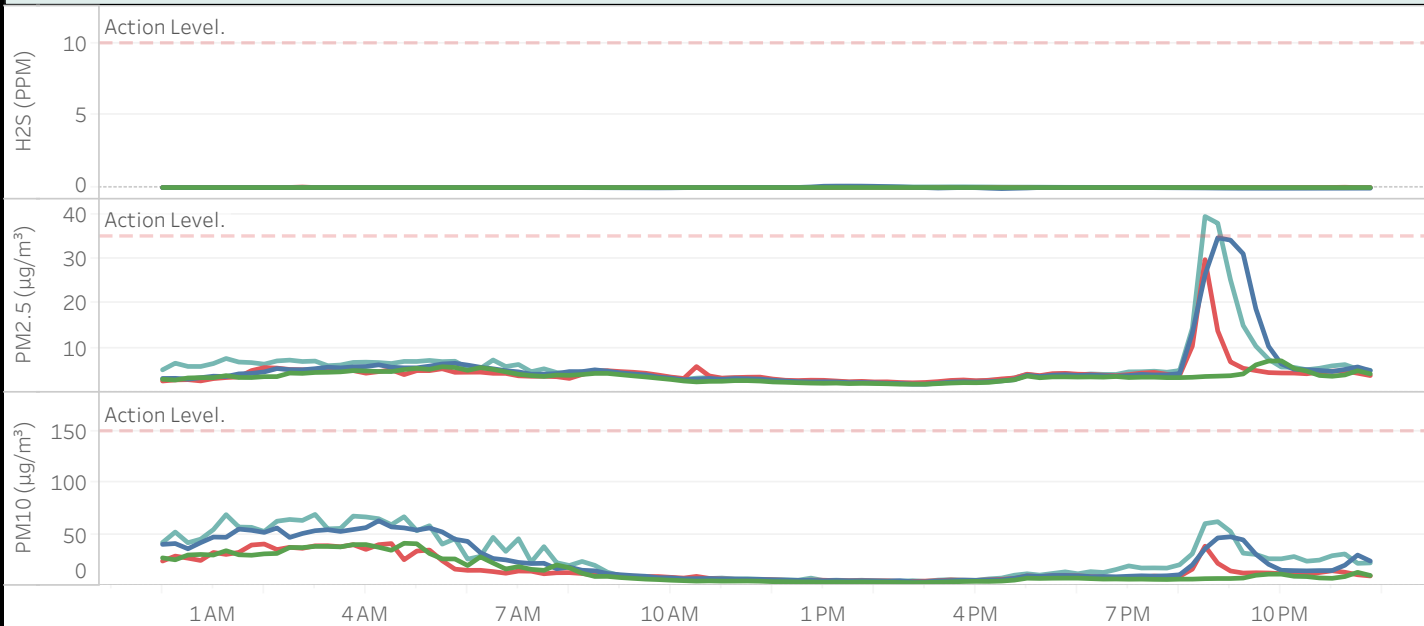


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

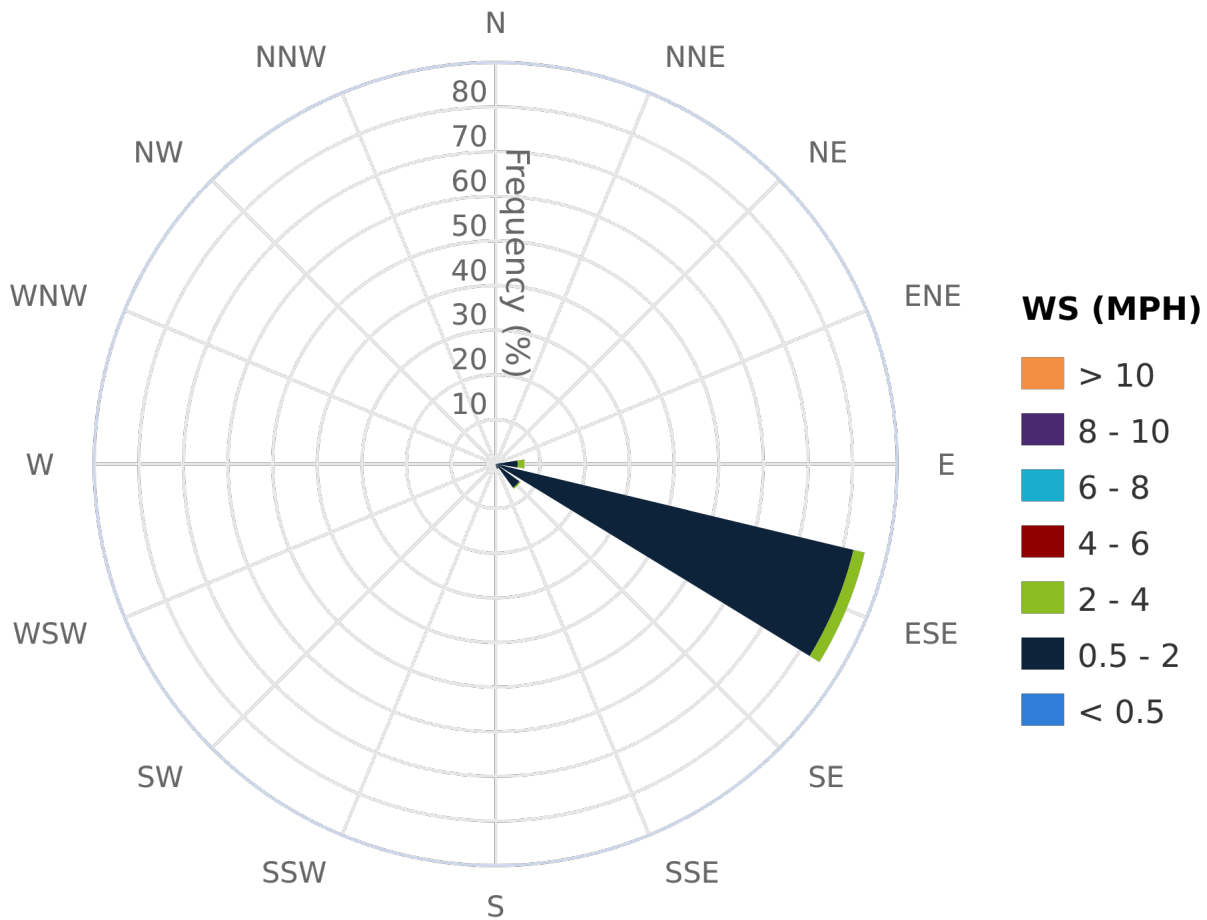


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

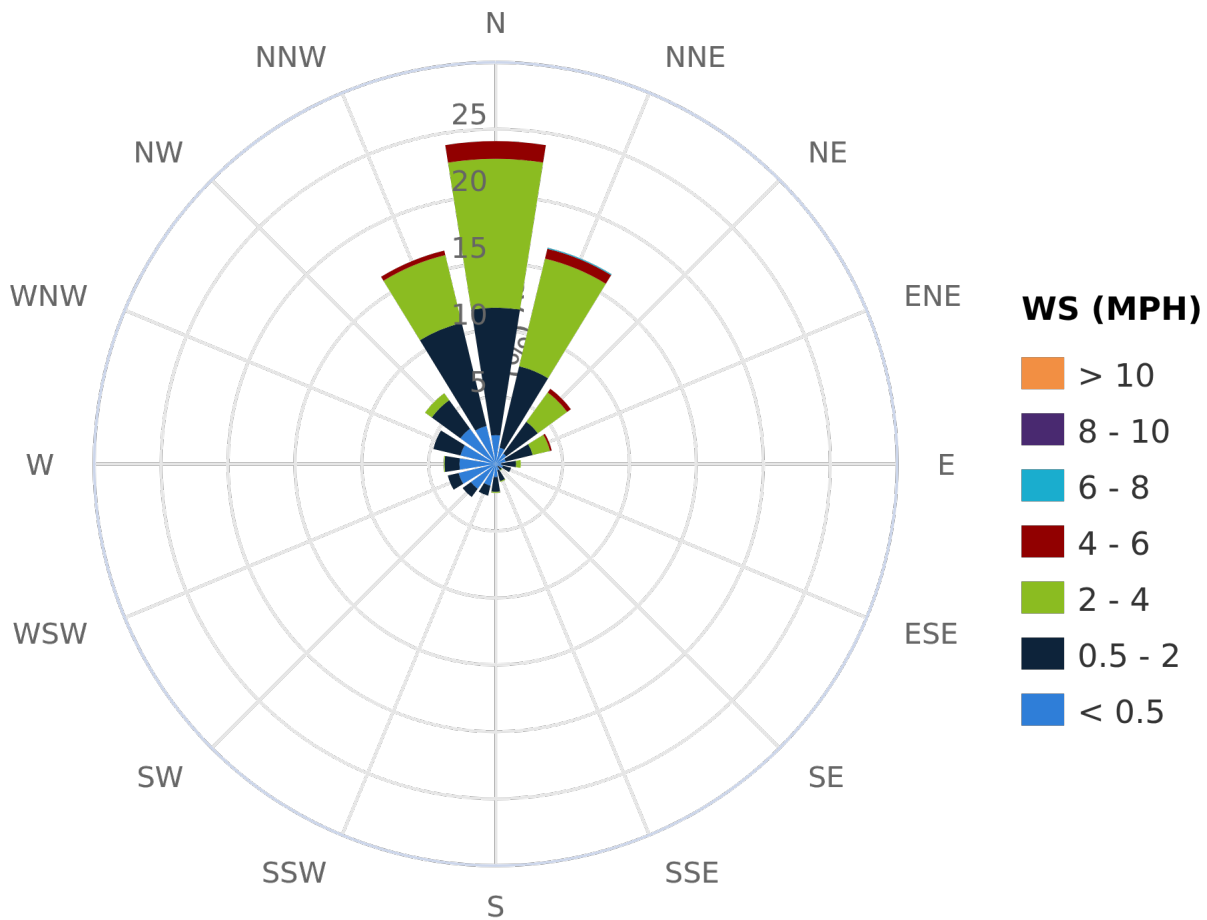


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

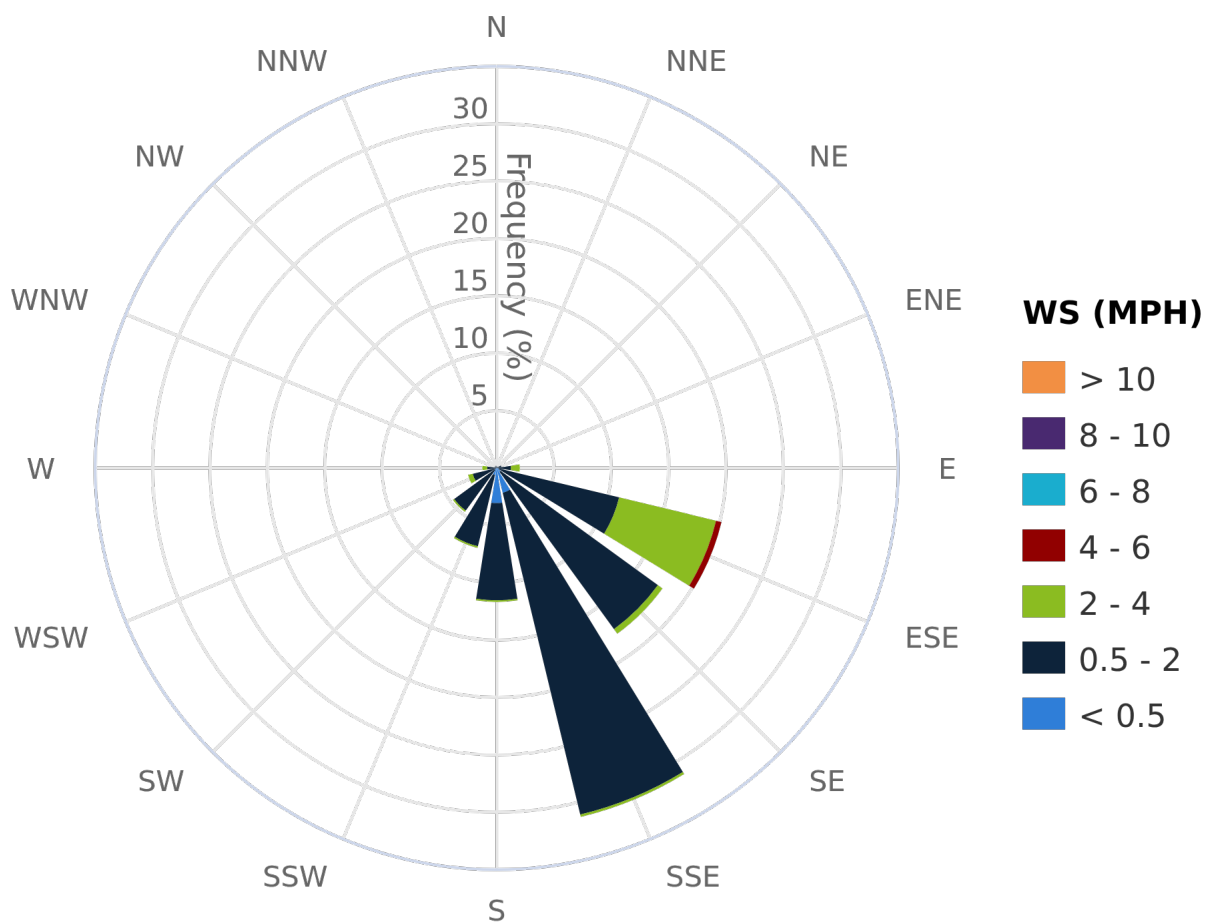


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

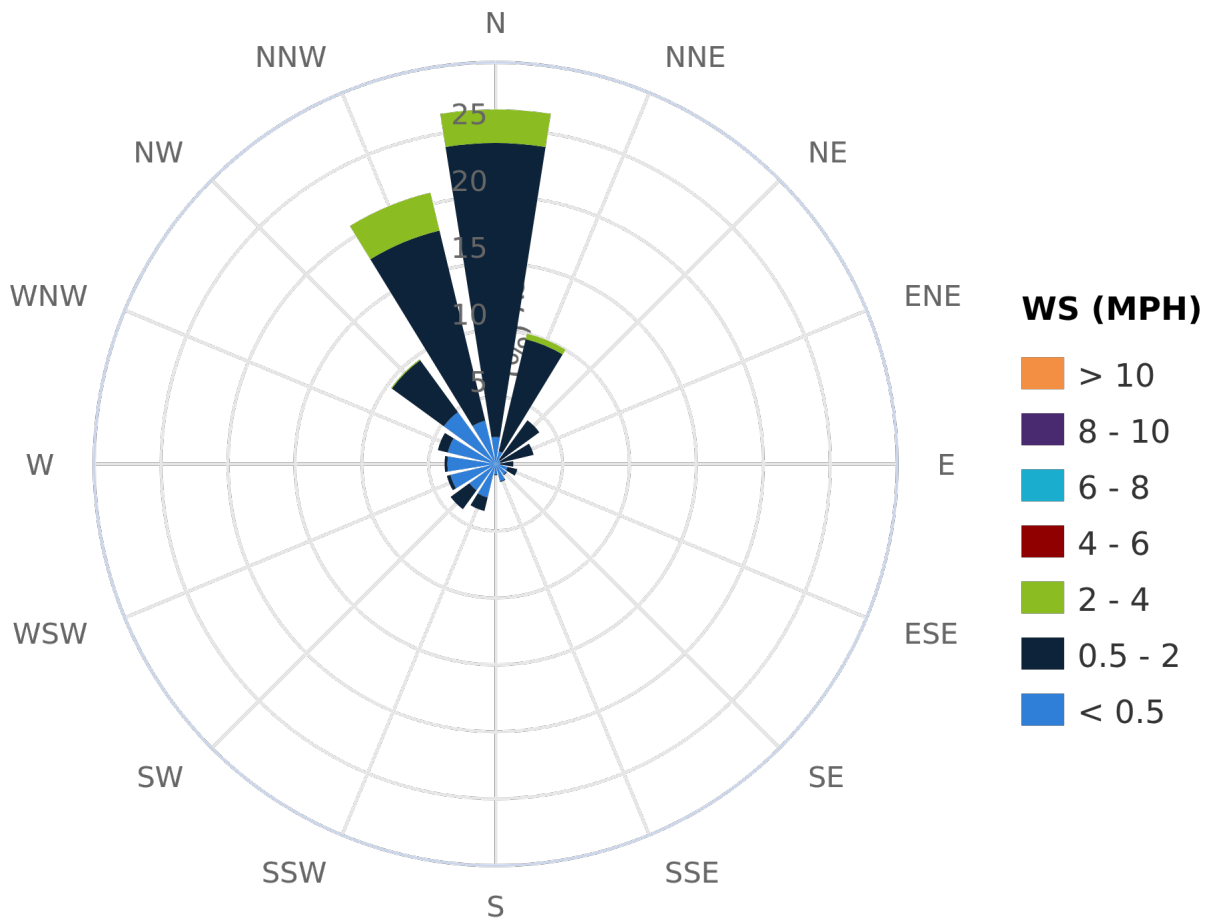


Figure 3 : Wind Rose Chart (WS in MPH)



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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	40.1	27.0	41.9	24.0	3.2	3.0	2.6	5.1	-0.006	0.000	0.000	0.002
00:15:00	40.9	25.2	52.0	28.7	3.2	2.8	2.9	6.6	-0.006	0.000	0.004	0.004
00:30:00	35.8	29.8	41.7	26.8	3.0	3.3	2.9	5.9	-0.005	0.001	0.009	0.003
00:45:00	41.8	30.3	45.1	24.5	3.4	3.4	2.6	5.9	-0.005	0.001	0.002	0.003
01:00:00	47.2	29.8	54.4	32.3	3.7	3.4	3.2	6.5	-0.007	0.000	0.003	0.002
01:15:00	47.0	34.0	68.9	30.4	3.6	3.8	3.4	7.7	-0.005	0.000	0.012	0.001
01:30:00	54.9	30.0	56.9	32.3	4.2	3.4	3.5	6.9	-0.001	0.000	0.006	0.001
01:45:00	53.7	29.6	56.6	39.5	4.3	3.4	5.0	6.8	-0.002	0.001	0.005	0.002
02:00:00	51.7	30.9	52.6	40.4	4.7	3.6	5.6	6.4	-0.002	0.000	0.005	0.001
02:15:00	56.0	31.3	62.5	35.0	5.4	3.6	5.5	7.1	-0.004	0.000	0.001	0.002
02:30:00	46.8	37.1	64.2	37.2	5.2	4.4	5.2	7.3	-0.003	0.000	0.008	0.002
02:45:00	50.6	37.0	63.3	36.3	5.1	4.3	5.1	7.0	-0.002	0.000	0.037	0.002
03:00:00	53.3	38.1	69.1	38.7	5.4	4.5	5.1	7.1	-0.004	0.001	0.002	0.001
03:15:00	54.3	38.1	55.1	38.8	5.7	4.6	4.9	6.0	0.001	0.001	0.002	0.001
03:30:00	52.6	37.7	55.6	37.8	5.6	4.7	4.9	6.2	0.000	0.000	0.000	0.001
03:45:00	54.4	39.8	67.5	39.8	5.8	4.9	5.0	6.8	-0.002	0.001	0.004	0.000
04:00:00	56.3	39.9	66.6	35.2	5.9	4.9	4.4	6.8	-0.003	0.000	0.000	0.001
04:15:00	62.9	37.3	64.9	39.8	6.2	4.8	4.7	6.8	-0.001	0.000	0.000	0.003
04:30:00	57.0	34.4	59.1	40.9	5.7	4.7	5.1	6.5	-0.002	0.000	0.001	0.002
04:45:00	56.0	41.2	66.8	25.2	5.6	5.2	4.0	7.0	-0.001	0.000	0.002	0.001
05:00:00	53.9	40.7	53.3	33.6	5.6	5.5	5.0	7.0	-0.004	0.000	0.000	0.002
05:15:00	56.0	31.3	58.2	34.6	6.0	5.2	4.9	7.2	-0.005	0.000	0.000	0.001
05:30:00	52.1	26.0	40.3	24.3	6.4	5.8	5.4	7.0	-0.006	0.000	0.000	0.000
05:45:00	45.0	26.0	45.6	16.1	6.6	5.6	4.6	7.1	-0.006	0.000	0.000	0.000
06:00:00	43.0	19.6	25.8	14.9	6.2	5.0	4.6	5.5	-0.006	-0.001	0.000	0.000
06:15:00	32.1	28.0	28.5	15.0	5.7	5.6	4.6	5.4	-0.007	0.000	0.000	0.000
06:30:00	26.4	22.0	46.9	13.7	5.4	5.2	4.3	7.3	-0.006	0.000	0.000	0.000
06:45:00	25.0	16.2	33.3	12.2	4.9	4.7	4.3	5.9	-0.004	0.000	0.006	0.000
07:00:00	22.6	18.6	45.5	14.3	4.7	4.1	3.8	6.3	-0.004	0.001	0.002	0.000
07:15:00	21.5	15.9	23.0	14.1	4.1	3.8	3.7	4.7	-0.002	0.001	0.008	0.001
07:30:00	21.8	14.9	37.9	11.6	4.1	3.7	3.7	5.4	-0.003	0.001	0.002	0.002
07:45:00	16.5	20.2	22.3	12.6	4.3	3.9	3.6	4.5	-0.003	0.001	0.015	0.001
08:00:00	18.0	17.4	19.6	12.7	4.7	3.9	3.2	4.3	-0.007	0.000	0.008	0.000
08:15:00	15.0	12.1	23.5	11.9	4.7	4.1	4.1	4.7	-0.007	0.000	0.002	0.000
08:30:00	14.5	9.0	19.8	10.3	5.1	4.3	4.9	4.8	-0.011	0.000	0.000	0.000
08:45:00	11.8	9.1	13.1	9.8	4.8	4.3	4.9	4.9	-0.014	0.000	0.000	0.000
09:00:00	10.7	8.0	9.9	9.6	4.4	4.0	4.7	4.5	-0.017	0.000	0.000	0.000
09:15:00	9.8	7.2	9.0	9.3	4.2	3.8	4.6	4.3	-0.019	0.000	0.000	0.000
09:30:00	9.2	6.4	7.9	9.0	4.0	3.5	4.4	4.0	-0.021	0.000	0.000	0.000
09:45:00	7.8	6.0	7.5	8.9	3.5	3.2	3.9	3.7	-0.024	0.000	0.000	0.000
10:00:00	7.7	5.4	7.9	8.2	3.3	3.0	3.5	3.4	-0.020	0.000	0.000	0.000
10:15:00	6.8	5.0	6.6	7.5	2.9	2.6	3.2	3.0	-0.008	0.000	0.000	0.000
10:30:00	6.9	4.5	7.3	9.1	3.0	2.4	5.9	3.3	-0.002	0.000	0.000	0.000
10:45:00	7.0	4.7	7.0	7.2	3.2	2.5	3.8	3.4	-0.003	0.000	0.000	0.000
11:00:00	6.7	4.5	7.5	6.6	3.0	2.6	3.3	3.2	0.006	0.000	0.000	0.000
11:15:00	6.5	4.5	6.6	6.3	3.2	2.7	3.4	3.3	0.007	0.000	0.000	0.000
11:30:00	6.3	4.6	6.8	6.1	3.1	2.7	3.5	3.3	0.008	0.000	0.000	0.000
11:45:00	6.3	4.4	6.3	6.0	3.0	2.6	3.5	3.1	0.012	0.000	0.000	0.000



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	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	5.7	4.0	6.1	5.7	2.8	2.4	3.1	2.9	0.010	0.001	0.000	0.000
12:15:00	5.5	3.9	5.8	5.3	2.6	2.3	2.8	2.7	0.008	0.000	0.000	0.000
12:30:00	5.2	3.7	5.4	5.1	2.5	2.2	2.7	2.5	0.009	0.000	0.000	0.000
12:45:00	5.3	3.7	7.4	5.4	2.4	2.1	2.8	2.8	0.040	0.000	0.000	0.000
13:00:00	4.9	3.4	5.1	5.4	2.4	2.1	2.8	2.5	0.092	0.000	0.000	0.003
13:15:00	5.2	3.6	5.4	5.0	2.4	2.2	2.6	2.5	0.101	0.000	0.001	0.045
13:30:00	4.8	3.5	5.0	4.8	2.3	2.0	2.4	2.4	0.102	0.000	0.017	0.057
13:45:00	4.9	3.7	5.4	4.9	2.3	2.1	2.5	2.4	0.099	0.000	0.020	0.062
14:00:00	4.8	3.5	4.8	4.8	2.2	2.0	2.4	2.2	0.088	-0.001	0.020	0.061
14:15:00	4.5	3.5	4.6	4.8	2.1	2.0	2.4	2.1	0.067	0.000	0.011	0.058
14:30:00	4.9	3.2	4.3	4.3	2.0	1.9	2.3	2.0	0.046	0.000	0.001	0.049
14:45:00	3.9	3.1	4.9	4.2	1.9	1.9	2.2	2.0	0.015	-0.001	0.000	0.044
15:00:00	3.8	3.2	4.3	4.5	1.9	1.9	2.3	2.0	-0.006	0.000	0.000	0.045
15:15:00	4.7	3.5	5.5	4.9	2.1	2.0	2.5	2.3	-0.034	0.000	0.000	0.046
15:30:00	5.0	3.8	6.0	5.6	2.4	2.2	2.7	2.5	-0.015	0.000	0.000	0.051
15:45:00	5.5	4.1	5.4	5.4	2.5	2.2	2.9	2.6	0.003	0.000	0.000	0.051
16:00:00	5.2	4.3	5.4	5.2	2.4	2.2	2.7	2.6	-0.010	0.000	0.000	0.045
16:15:00	5.6	4.2	6.7	5.7	2.5	2.3	2.8	2.8	-0.044	0.000	0.000	0.042
16:30:00	5.7	4.6	7.5	6.3	2.6	2.6	3.1	2.9	-0.072	0.000	0.000	0.034
16:45:00	7.2	5.5	10.2	7.0	2.9	2.9	3.3	3.3	-0.051	0.000	0.000	0.031
17:00:00	9.6	7.3	11.6	9.5	3.9	3.7	4.1	4.1	-0.030	0.000	0.000	0.030
17:15:00	9.0	7.1	10.3	8.9	3.6	3.3	3.8	3.7	0.002	0.000	0.000	0.027
17:30:00	10.0	7.3	11.9	9.7	3.9	3.5	4.3	4.1	0.004	0.000	0.000	0.021
17:45:00	10.0	7.4	13.5	9.8	4.0	3.5	4.3	4.3	0.006	0.000	0.000	0.016
18:00:00	9.7	7.4	11.6	9.6	3.9	3.5	4.1	4.0	0.009	0.000	0.000	0.015
18:15:00	8.9	6.9	13.7	8.9	4.0	3.5	4.1	4.2	0.008	0.000	0.000	0.014
18:30:00	9.0	6.5	12.9	8.4	3.8	3.5	3.9	4.1	0.010	0.000	0.000	0.011
18:45:00	8.7	6.6	15.7	8.0	3.7	3.6	3.8	4.1	0.007	0.000	0.000	0.012
19:00:00	9.2	6.4	19.2	8.0	3.8	3.4	4.1	4.7	0.003	0.001	0.000	0.010
19:15:00	9.7	6.4	17.2	8.5	4.1	3.5	4.4	4.7	-0.003	0.000	0.000	0.008
19:30:00	9.4	6.2	17.3	9.4	4.0	3.5	4.6	4.8	-0.007	0.000	0.000	0.004
19:45:00	9.7	6.1	17.1	8.8	4.0	3.4	4.1	4.6	-0.012	0.000	0.000	0.003
20:00:00	10.6	6.4	20.3	9.1	4.3	3.4	3.9	5.0	-0.017	0.000	0.000	0.000
20:15:00	20.2	6.4	31.0	16.1	13.4	3.5	10.5	14.5	-0.022	0.000	0.000	0.001
20:30:00	35.9	6.9	60.2	38.3	26.5	3.6	29.9	39.6	-0.027	0.001	0.000	0.000
20:45:00	46.3	7.0	62.1	21.8	34.8	3.7	13.9	38.1	-0.036	0.001	0.000	0.000
21:00:00	47.4	7.0	52.6	14.3	34.3	3.8	6.9	25.4	-0.043	0.000	0.000	0.000
21:15:00	44.5	7.5	31.6	12.3	31.2	4.2	5.5	15.1	-0.047	0.000	0.003	0.000
21:30:00	30.5	10.2	30.4	12.6	18.8	6.2	5.0	10.4	-0.048	0.000	0.000	0.000
21:45:00	20.8	11.2	26.2	12.4	10.4	7.1	4.5	7.5	-0.049	0.000	0.000	0.000
22:00:00	15.0	11.3	26.1	11.7	6.5	7.1	4.4	5.8	-0.049	0.000	0.000	0.000
22:15:00	14.7	9.2	28.3	12.2	5.3	5.5	4.4	5.7	-0.049	0.000	0.000	0.000
22:30:00	14.4	8.9	23.8	11.0	5.2	4.8	4.2	5.2	-0.048	0.001	0.000	0.000
22:45:00	14.7	7.6	24.9	12.8	5.0	3.9	4.6	5.5	-0.047	-0.001	0.002	0.000
23:00:00	14.7	7.2	29.1	14.5	4.7	3.7	4.8	6.0	-0.046	0.000	0.009	0.000
23:15:00	19.9	8.9	30.8	13.1	5.2	4.0	4.9	6.3	-0.045	-0.001	0.021	0.000
23:30:00	29.7	13.0	21.7	10.7	5.8	4.9	4.4	5.3	-0.044	0.000	0.000	0.000
23:45:00	23.9	10.0	22.1	9.5	4.9	4.2	3.8	5.0	-0.044	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)
20:30:00								39.6				
20:45:00								38.1				