



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-10-12

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1790 Max : 20.40	2943 ESE	2693 N	2996 SW	2997 NNW	Min : 59.18 Max : 93.74	Min : 34.90 Max : 86.90	Min : 29.72 Max : 29.95

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	10.4	59.1	6.3	45.1	0.000	0.001
2943	11.9	24.6	5.3	7.7	-0.054	0.042
2996	10.5	16.2	5.2	7.0	0.001	0.011
2997	12.4	36.5	5.1	9.4	0.002	0.102



Figure 1 : Monitoring Locations

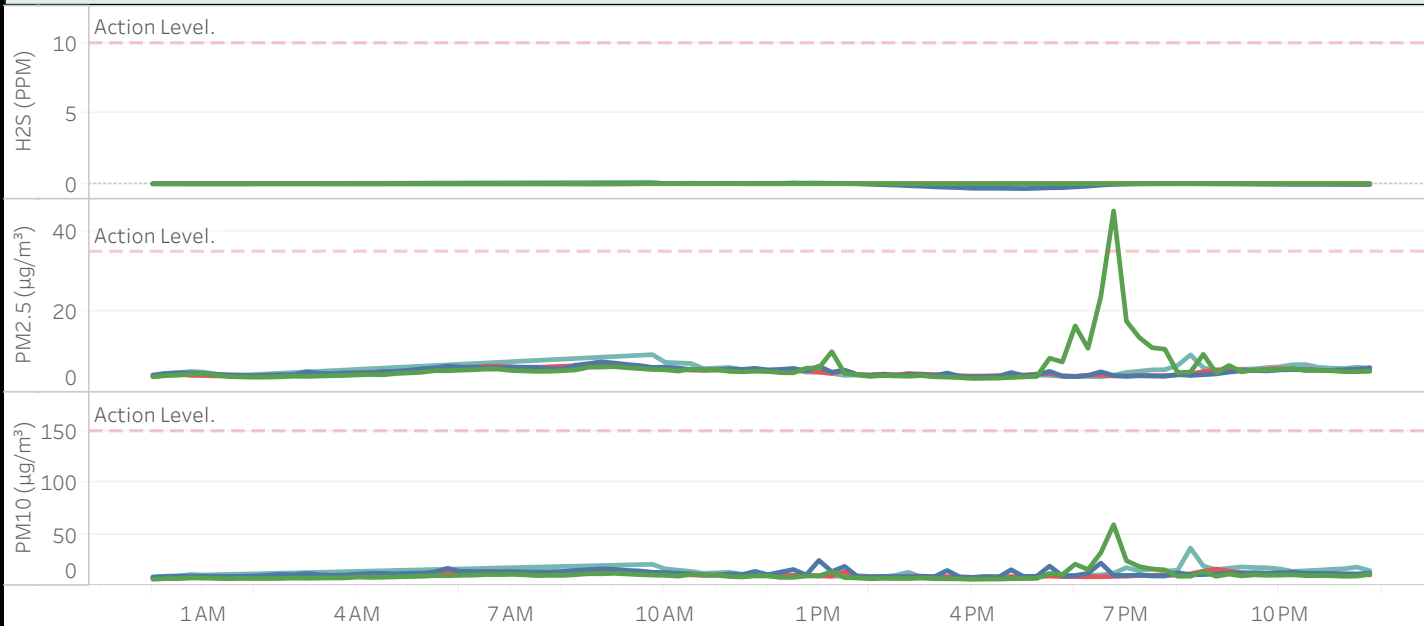


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

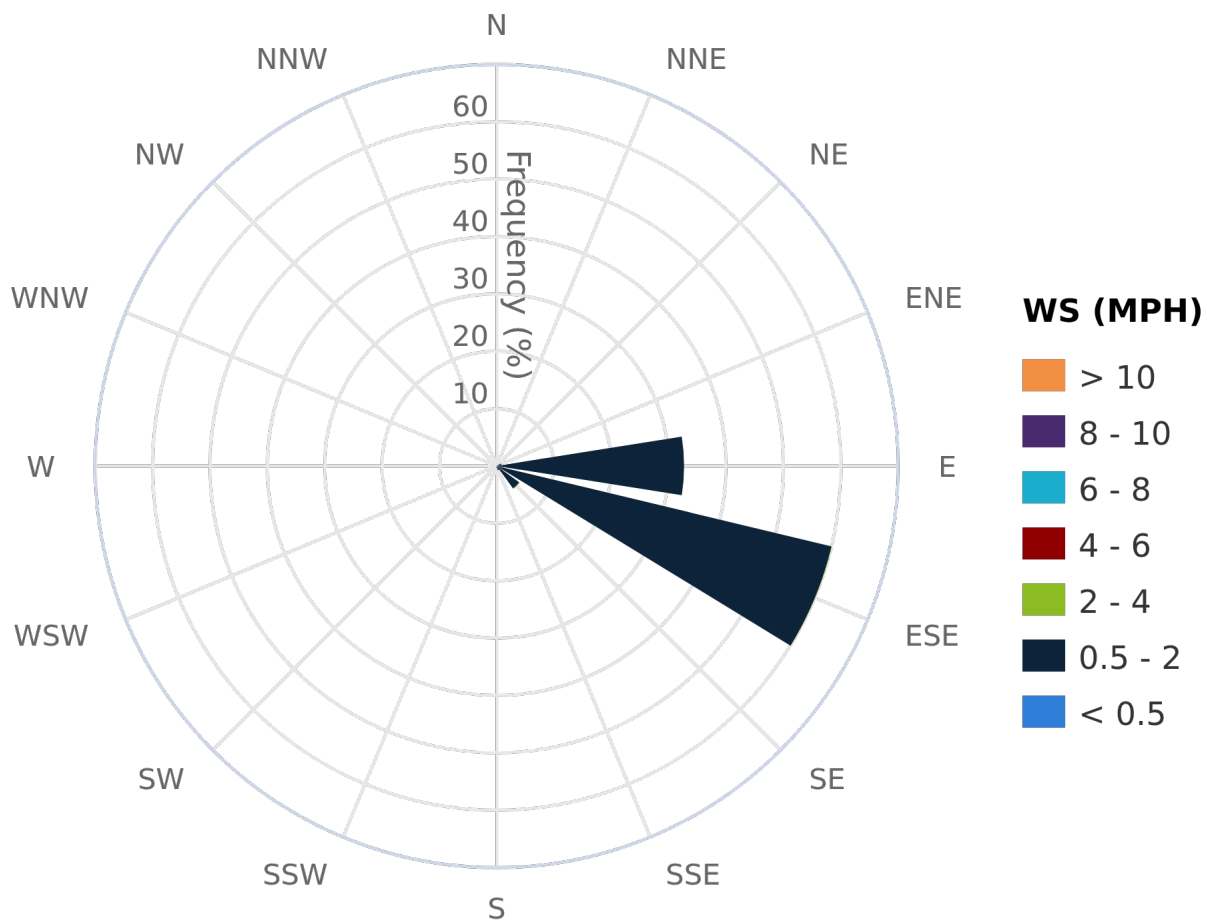


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

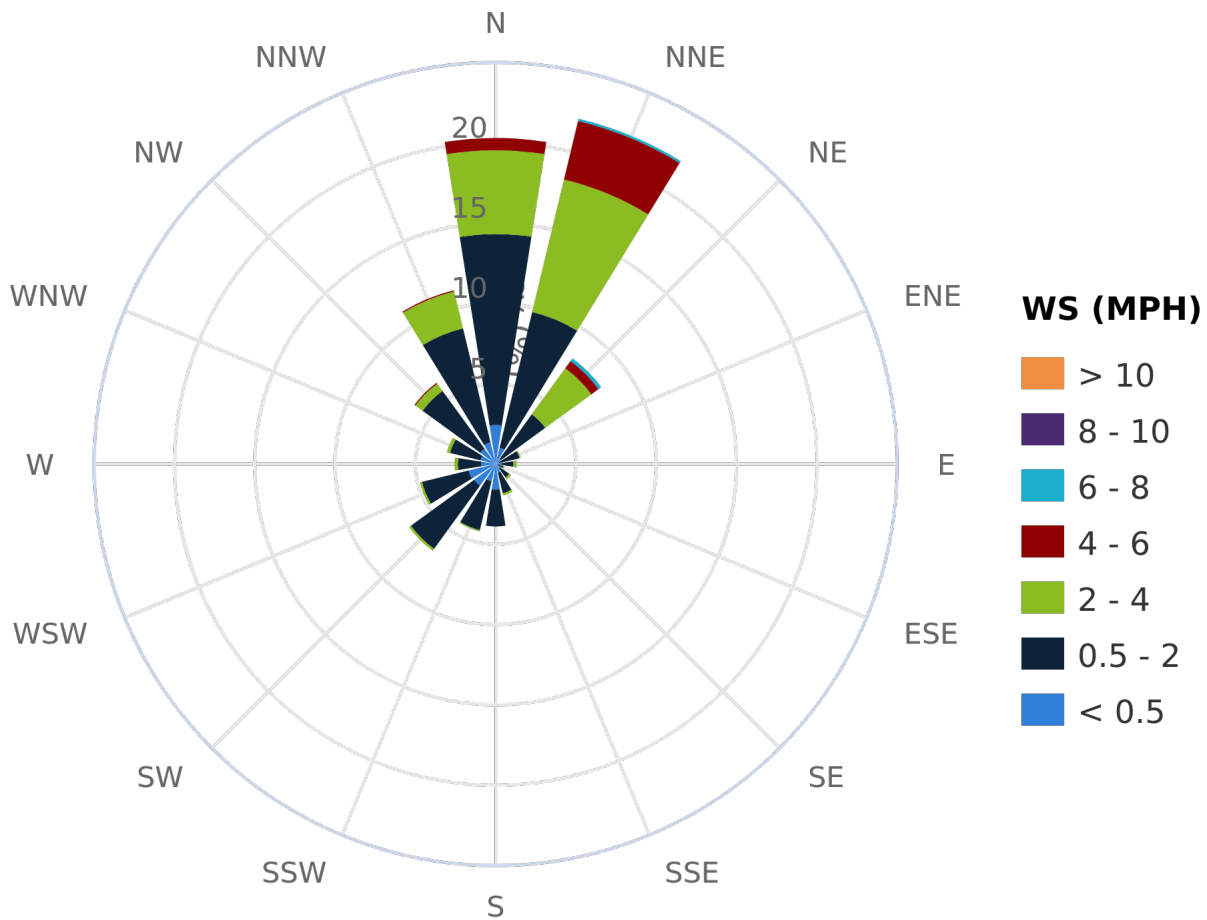


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

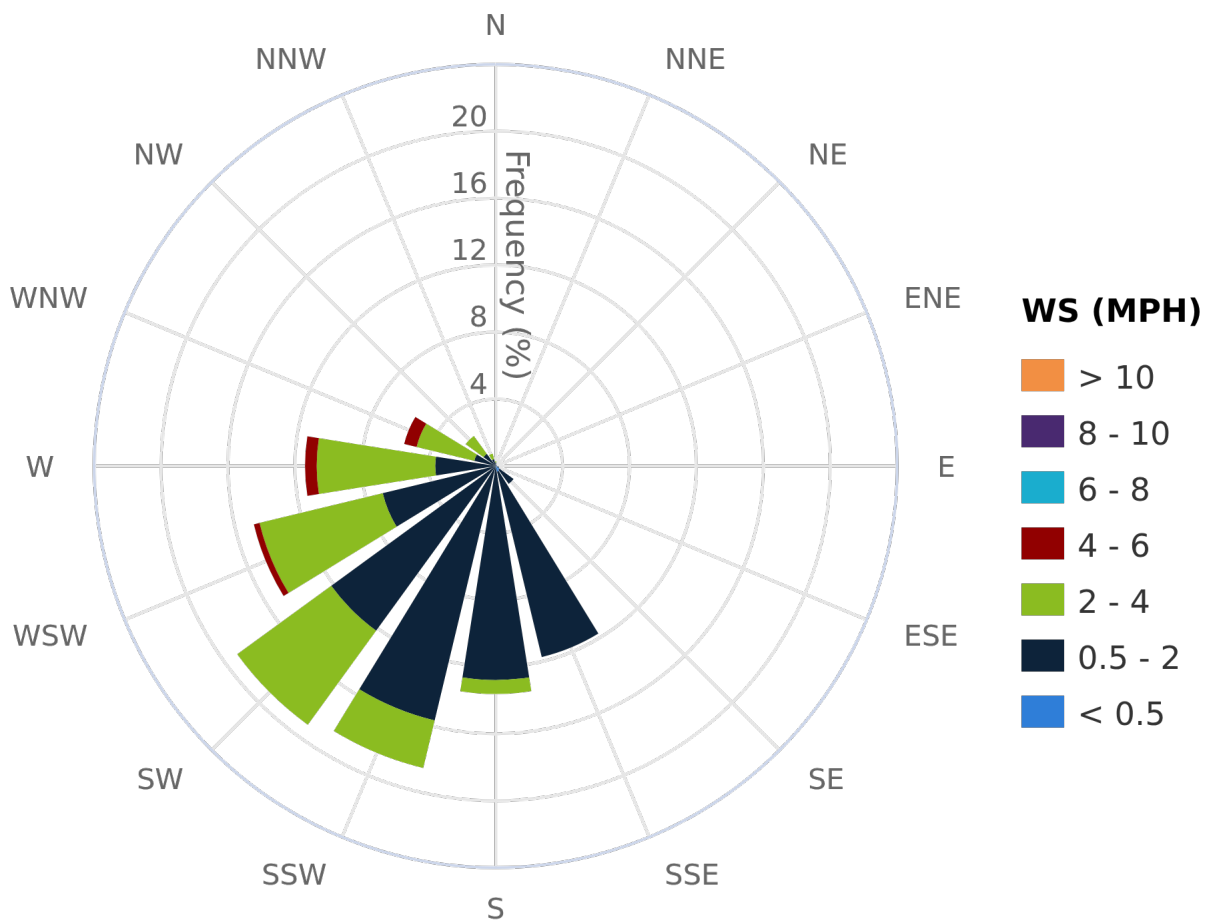


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

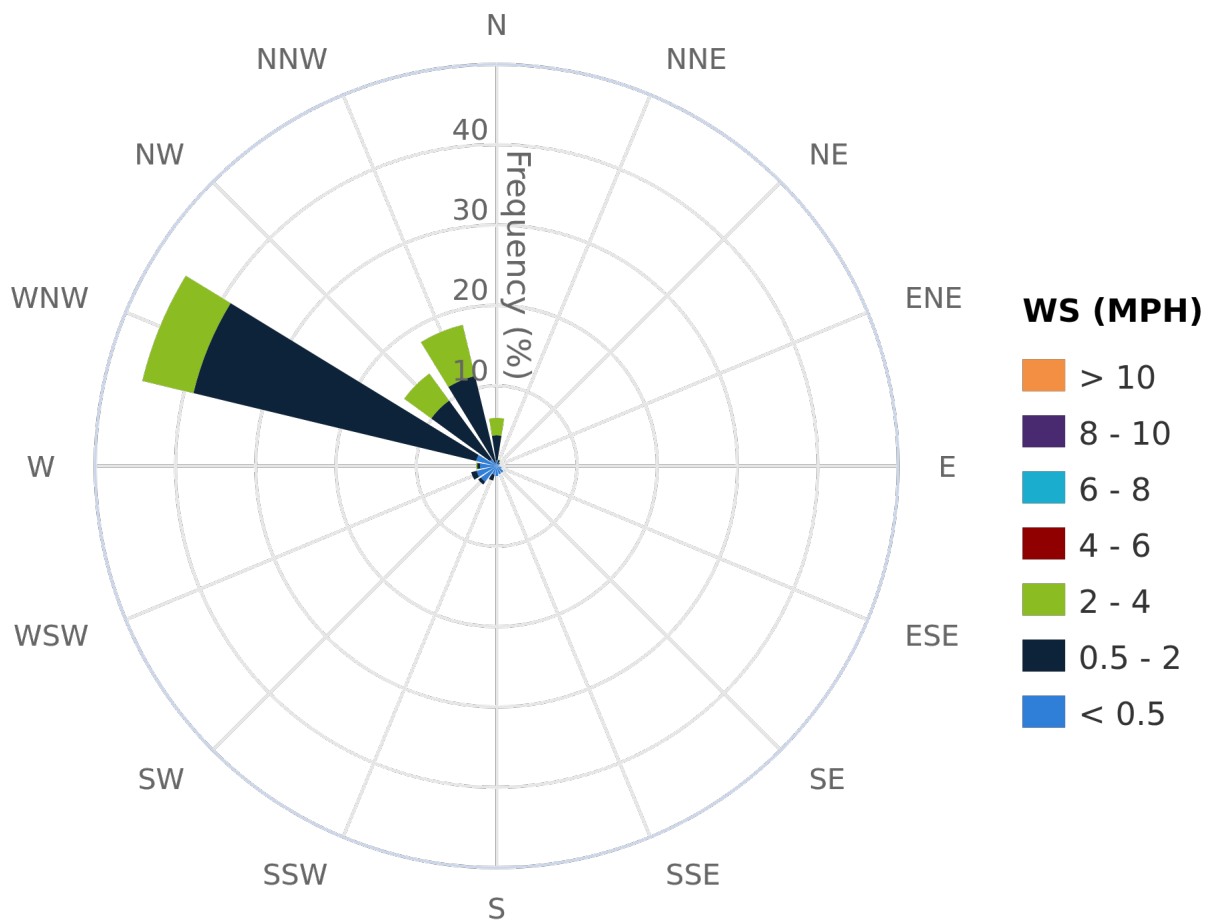


Figure 3 : Wind Rose Chart (WS in MPH)



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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	8.2	6.3	8.7	7.4	4.3	3.9	4.0	4.4	-0.016	0.000	0.000	0.000
00:15:00	8.9	6.9	9.3	7.8	4.8	4.2	4.3	4.8	-0.014	0.000	0.000	0.000
00:30:00	9.3	6.9	9.6	7.9	4.9	4.3	4.5	4.9	-0.016	0.000	0.000	0.000
00:45:00	9.5	7.6	10.9	8.4	4.9	4.6	4.3	5.3	-0.020	0.000	0.000	0.000
01:00:00	9.3	7.4	10.4	8.0	4.8	4.7	4.2	5.1	-0.020	0.000	0.000	0.000
01:15:00	9.2	7.2	10.8	7.6	4.5	4.3	4.1	4.6	-0.018	0.000	0.000	0.000
01:30:00	9.0	6.8	11.0	7.8	4.4	4.0	4.2	4.4	-0.016	0.000	0.000	0.000
01:45:00	9.2	7.1	11.3	7.8	4.3	3.9	4.1	4.3	-0.018	0.000	0.000	0.000
02:00:00	9.5	7.0		7.6	4.2	3.8	4.0		-0.014	-0.001	0.000	
02:15:00	10.3	7.0		7.8	4.4	3.9	4.1		-0.013	0.000	0.000	
02:30:00	11.0	7.1		8.2	4.4	3.9	4.3		-0.013	0.000	0.000	
02:45:00	10.6	7.5		8.2	4.4	4.1	4.3		-0.012	0.000	0.000	
03:00:00	11.9	7.3		8.4	5.2	4.0	4.4		-0.015	0.000	0.000	
03:15:00	10.6	7.4		8.7	4.8	4.1	4.5		-0.016	0.000	0.000	
03:30:00	10.2	7.6		9.0	4.7	4.2	4.7		-0.018	0.000	0.000	
03:45:00	10.5	7.6		9.4	4.9	4.3	4.8		-0.017	0.000	0.000	
04:00:00	11.2	8.4		9.4	4.9	4.4	4.9		-0.017	0.000	0.000	
04:15:00	12.1	8.1		9.8	5.0	4.5	5.0		-0.018	0.000	0.000	
04:30:00	12.0	8.2		10.3	5.2	4.4	5.2		-0.016	0.000	0.000	
04:45:00	11.5	8.6		10.3	5.3	4.7	5.3		-0.016	0.001	0.000	
05:00:00	12.1	8.9		10.6	5.6	4.9	5.4		-0.017	0.001	0.000	
05:15:00	12.3	9.2		11.0	5.9	5.1	5.6		-0.016	0.001	0.000	
05:30:00	13.3	9.8		11.7	6.2	5.5	6.0		-0.013	0.000	0.000	
05:45:00	16.9	9.7		12.3	6.6	5.4	6.1		-0.013	0.000	0.000	
06:00:00	13.9	10.1		12.7	6.3	5.6	6.3		-0.013	0.000	0.000	
06:15:00	13.9	10.2		13.1	6.3	5.7	6.3		-0.011	0.000	0.000	
06:30:00	13.5	10.8		13.8	6.2	5.8	6.5		-0.013	0.000	0.000	
06:45:00	13.4	10.7		13.8	6.2	5.8	6.6		-0.012	0.000	0.000	
07:00:00	13.8	11.0		13.2	6.4	5.5	6.4		-0.012	0.000	0.000	
07:15:00	13.5	10.6		13.1	6.3	5.4	6.2		-0.011	0.001	0.000	
07:30:00	13.5	9.8		13.0	6.3	5.3	6.3		-0.010	0.000	0.000	
07:45:00	13.5	10.1		13.2	5.9	5.3	6.4		-0.012	0.000	0.000	
08:00:00	13.9	10.0		13.4	5.9	5.4	6.5		-0.014	0.000	0.000	
08:15:00	15.0	10.7		13.9	6.8	5.6	6.7		-0.018	0.000	0.000	
08:30:00	15.6	11.7		14.0	7.2	6.3	6.8		-0.020	0.000	0.000	
08:45:00	16.5	11.6		14.9	7.7	6.4	6.9		-0.018	0.000	0.000	
09:00:00	16.1	12.0		14.7	7.4	6.5	7.0		-0.016	0.000	0.000	
09:15:00	14.9	11.4		14.0	7.0	6.2	6.8		-0.011	0.000	0.000	
09:30:00	14.3	10.7		13.3	6.7	6.0	6.5		0.001	-0.001	0.000	
09:45:00	13.1	10.3	20.8	12.6	6.3	5.7	6.2	9.4	0.007	0.000	0.000	0.102
10:00:00	12.9	10.1	16.3	12.2	6.3	5.7	6.1	7.5	0.007	0.000	0.000	0.000
10:15:00	12.2	9.3		11.2	6.1	5.3	5.9		0.013	0.001	0.000	
10:30:00	11.6	11.1	13.9	10.6	5.7	5.9	5.6	7.2	0.012	-0.001	0.000	0.043
10:45:00	10.6	10.3	12.0	10.1	5.7	5.6	5.5	6.0	0.016	0.000	0.000	0.000
11:00:00	10.3	10.2		10.6	5.6	5.7	5.7		0.016	0.001	0.000	
11:15:00	11.6	9.0	13.0	10.8	5.9	5.3	5.7	6.2	0.015	0.000	0.000	0.030
11:30:00	10.8	8.5	11.2	10.4	5.8	5.2	5.6	5.7	0.019	0.001	0.000	0.000
11:45:00	14.0	9.5	10.8	10.1	6.0	5.3	5.5	5.6	0.024	0.000	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	10.8	9.5	10.5	10.1	5.7	5.3	5.4	5.3	0.027	-0.001	0.000	0.000
12:15:00	13.2	8.1	10.0	9.9	5.8	5.0	5.4	5.3	0.030	-0.001	0.000	0.000
12:30:00	15.8	8.2	10.4	9.9	6.0	4.9	5.4	5.8	0.035	0.000	0.000	0.059
12:45:00	10.4	9.5	10.1	10.3	5.4	6.1	5.4	5.1	0.040	0.000	0.000	0.002
13:00:00	24.6	9.4	10.0	9.5	6.6	6.2	5.1	5.1	0.042	0.000	0.000	0.006
13:15:00	13.8	13.9	9.3	9.3	5.1	10.2	4.8	4.8	0.029	-0.001	0.000	0.014
13:30:00	18.8	7.9	9.1	13.6	5.6	4.8	5.5	4.3	0.014	0.000	0.000	0.017
13:45:00	8.9	7.6	9.7	8.9	4.4	4.4	4.5	4.4	-0.007	0.000	0.000	0.012
14:00:00	8.5	6.8	9.1	8.7	4.3	4.0	4.4	4.2	-0.042	0.000	0.000	0.000
14:15:00	9.1	7.1	8.4	9.0	4.5	4.3	4.6	4.2	-0.075	0.000	0.000	0.000
14:30:00	8.8	7.0	10.3	8.6	4.3	4.1	4.4	4.2	-0.098	0.000	0.000	0.000
14:45:00	8.8	7.0	13.0	9.3	4.4	4.1	4.7	4.7	-0.144	0.000	0.000	0.000
15:00:00	9.0	7.4	8.5	9.3	4.5	4.2	4.6	4.3	-0.178	0.000	0.000	0.000
15:15:00	8.7	6.9	8.3	8.9	4.2	3.9	4.5	4.1	-0.226	0.000	0.000	0.000
15:30:00	14.8	6.7	8.8	8.8	4.9	3.9	4.4	4.1	-0.253	0.000	0.000	0.000
15:45:00	8.5	6.7	8.2	8.4	4.1	3.7	4.2	4.0	-0.279	-0.001	0.000	0.000
16:00:00	8.1	6.3	7.9	8.2	3.9	3.5	4.1	3.9	-0.325	0.000	0.000	0.000
16:15:00	8.8	6.5	9.1	8.4	4.0	3.6	4.1	4.1	-0.324	0.000	0.000	0.000
16:30:00	8.3	6.5	9.1	8.2	4.1	3.6	4.2	4.2	-0.327	0.000	0.000	0.000
16:45:00	15.5	6.8	8.8	8.8	5.0	3.8	4.4	4.1	-0.335	0.000	0.000	0.000
17:00:00	8.8	7.0	8.4	8.6	4.2	3.9	4.4	4.1	-0.348	0.000	0.000	0.000
17:15:00	9.3	7.1	9.1	9.1	4.4	4.0	4.6	4.3	-0.325	0.000	0.000	0.000
17:30:00	19.1	11.9	9.7	9.4	5.3	8.5	4.7	4.3	-0.293	0.001	0.000	0.000
17:45:00	9.6	10.8	9.3	8.9	4.1	7.6	4.2	4.0	-0.282	0.000	0.000	0.000
18:00:00	10.0	21.0	9.5	8.8	4.0	16.6	4.1	4.0	-0.226	0.000	0.000	0.000
18:15:00	12.1	15.6	9.8	8.7	4.3	11.0	4.3	4.0	-0.176	0.001	0.000	0.000
18:30:00	22.0	32.0	10.5	8.8	5.2	23.9	4.3	3.9	-0.102	0.001	0.000	0.000
18:45:00	10.1	59.1	12.2	9.0	4.3	45.1	4.1	4.3	-0.052	0.001	0.000	0.000
19:00:00	10.0	24.3	17.5	9.3	4.1	17.7	4.1	5.0	-0.029	0.000	0.000	0.000
19:15:00	10.3	18.6	14.4	10.0	4.2	13.7	4.3	5.3	-0.007	0.000	0.000	0.000
19:30:00	9.5	16.2	16.5	10.2	4.1	11.2	4.2	5.6	-0.006	0.001	0.000	0.000
19:45:00	9.4	15.4	14.1	10.2	4.1	10.8	4.2	5.7	0.000	0.001	0.000	0.000
20:00:00	12.7	9.2	15.1	10.3	4.5	5.0	4.4	6.8	0.002	0.000	0.000	0.000
20:15:00	10.7	9.2	36.5	11.6	4.3	5.1	4.7	9.4	-0.001	0.000	0.005	0.000
20:30:00	10.8	14.0	19.2	14.2	4.4	9.5	5.2	6.2	-0.007	0.000	0.008	0.000
20:45:00	11.5	9.1	15.6	16.2	4.6	4.9	5.6	5.6	-0.012	0.000	0.011	0.000
21:00:00	12.1	11.3	17.0	14.1	5.1	6.7	5.7	5.6	-0.017	0.001	0.010	0.000
21:15:00	12.2	9.5	18.2	12.7	5.4	5.2	5.7	5.8	-0.021	0.000	0.008	0.000
21:30:00	12.7	10.6	17.7	11.7	5.5	5.7	5.5	5.9	-0.031	0.000	0.010	0.000
21:45:00	12.3	10.1	17.4	11.7	5.4	5.6	5.8	6.2	-0.037	0.001	0.008	0.000
22:00:00	12.6	10.3	16.2	11.9	5.6	5.8	5.9	6.4	-0.042	0.000	0.005	0.000
22:15:00	13.2	10.6	13.9	11.9	5.7	6.0	5.7	6.9	-0.045	0.000	0.004	0.000
22:30:00	12.0	9.8	14.5	12.0	5.7	5.5	5.7	7.0	-0.046	0.000	0.005	0.000
22:45:00	12.1	9.8	15.1	11.5	5.6	5.5	5.6	6.3	-0.046	0.000	0.004	0.000
23:00:00	12.0	9.7	15.9	11.3	5.5	5.4	5.5	6.1	-0.052	-0.001	0.004	0.000
23:15:00	11.6	9.2	16.5	11.0	5.7	5.2	5.5	6.0	-0.055	0.000	0.005	0.000
23:30:00	11.5	9.4	18.0	11.2	5.8	5.2	5.5	6.3	-0.059	0.000	0.003	0.000
23:45:00	12.3	11.1	14.6	10.5	6.2	5.3	5.4	6.0	-0.059	0.000	0.004	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)
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18:45:00

45.1