



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-10-22

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.08900 Max : 24.99	2943 ESE	2693 SSW	2996 SSW	2997 NW	Min : 43.70 Max : 95.00	Min : 41.90 Max : 100.0	Min : 0 Max : 30.23

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	9.8	21.8	6.2	15.0	0.000	0.002
2943	16.8	73.1	6.7	18.7	-0.050	0.035
2996	15.3	47.8	8.0	37.5	0.001	0.022
2997	19.3	32.9	7.1	11.9	0.002	0.073



Figure 1 : Monitoring Locations

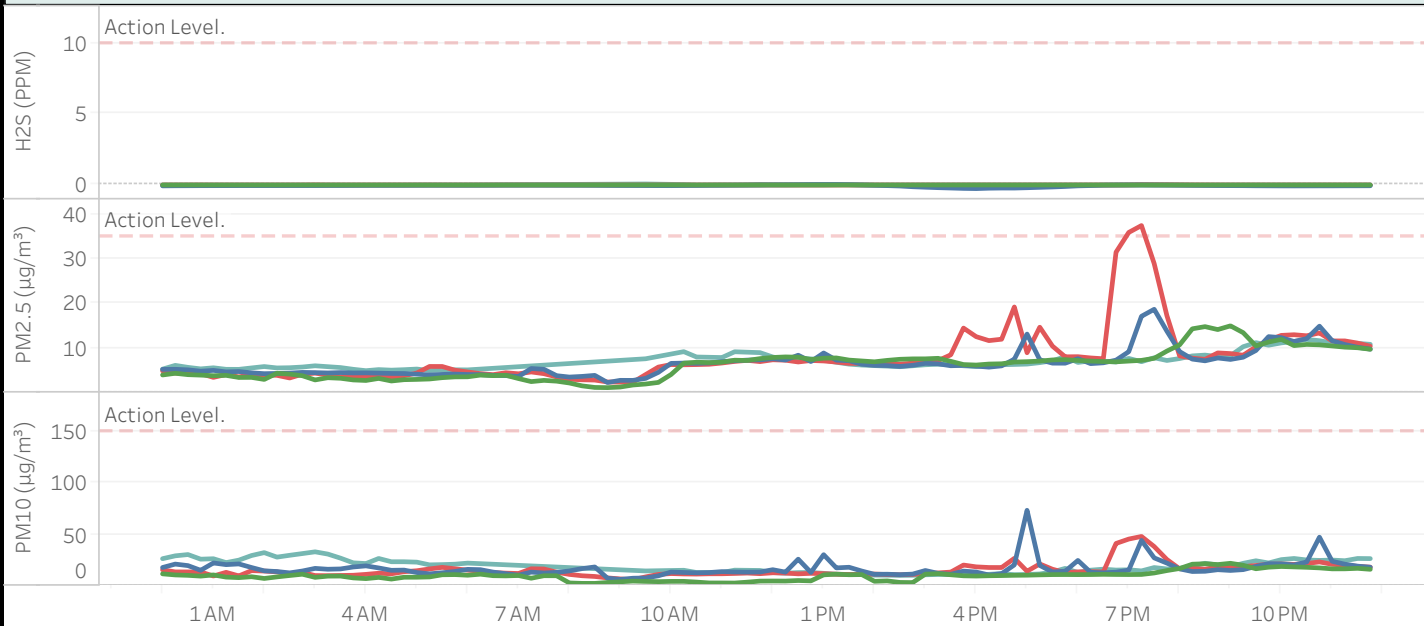


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

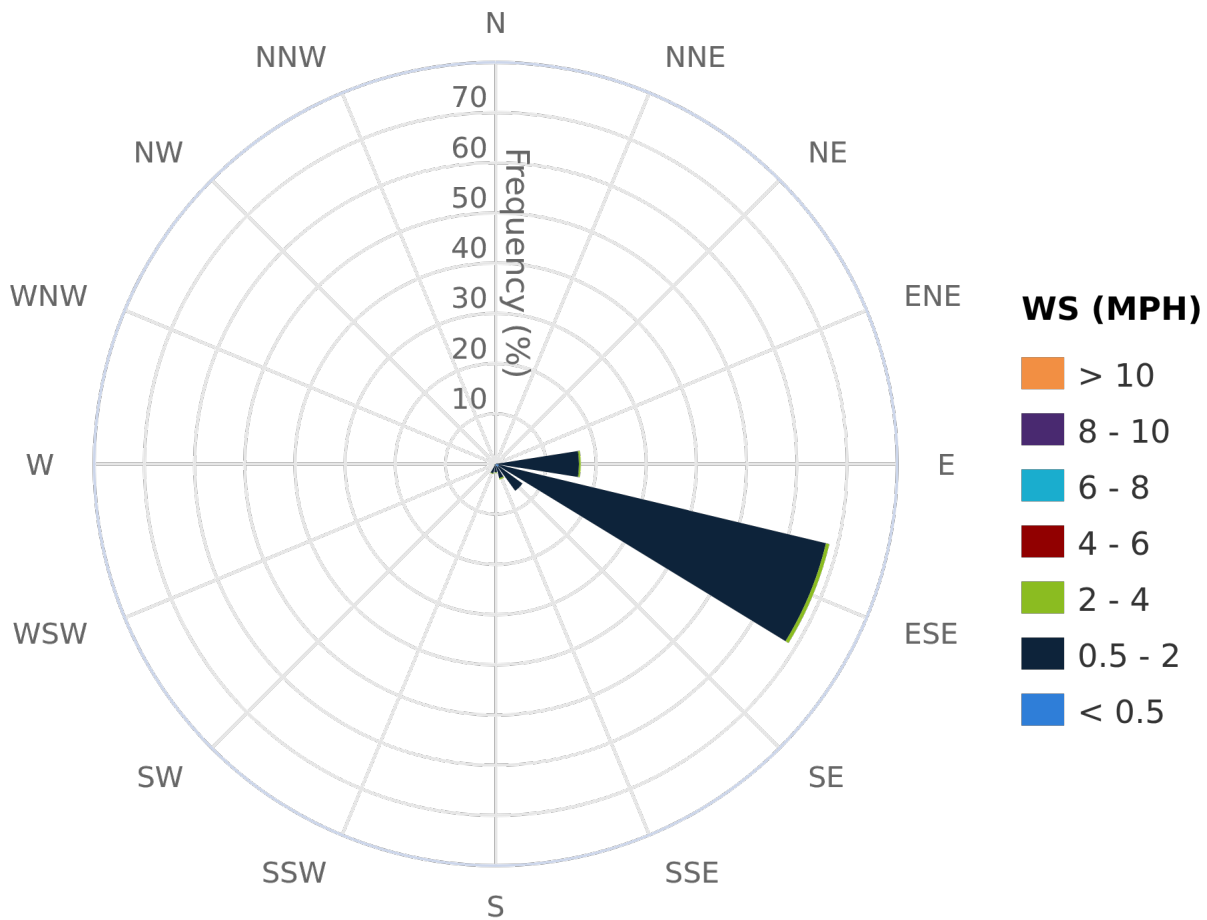


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

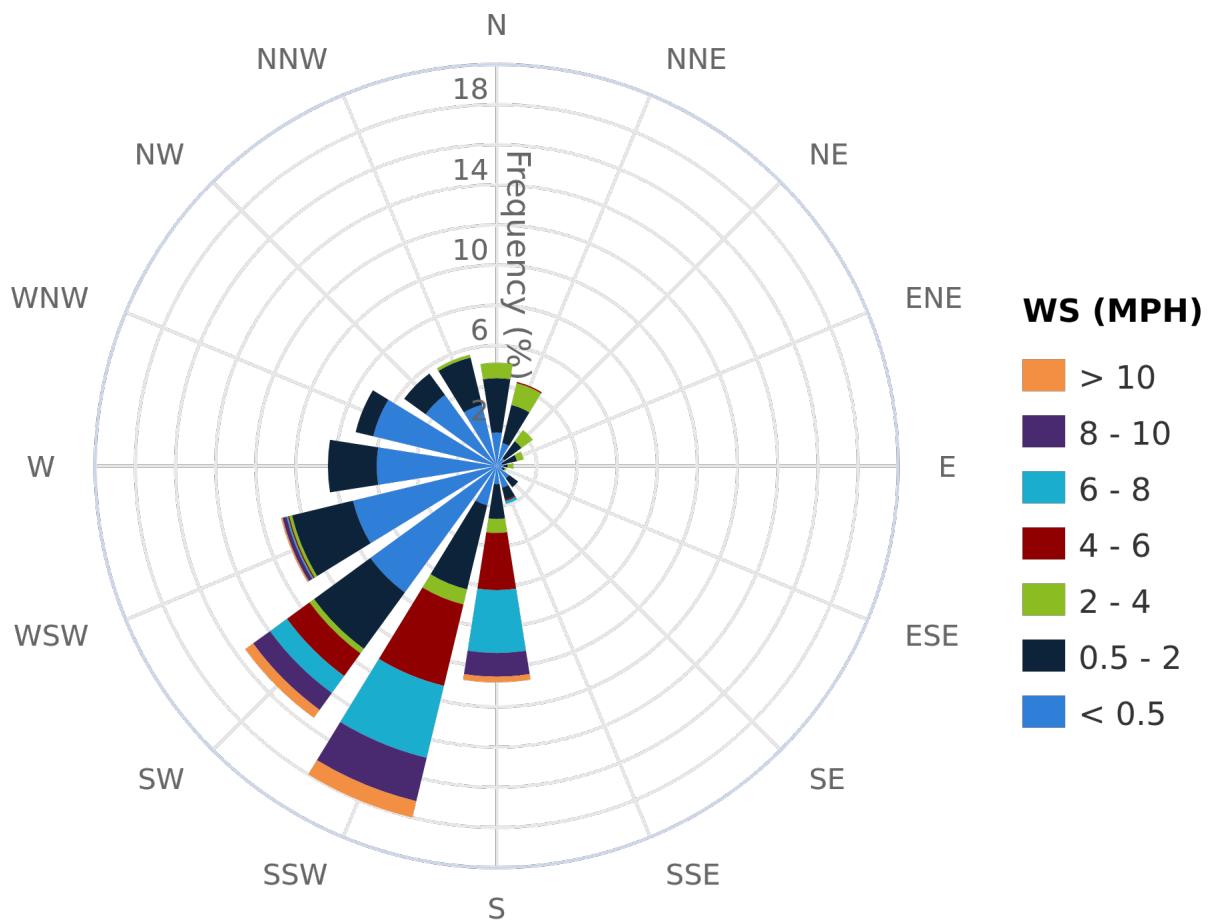


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

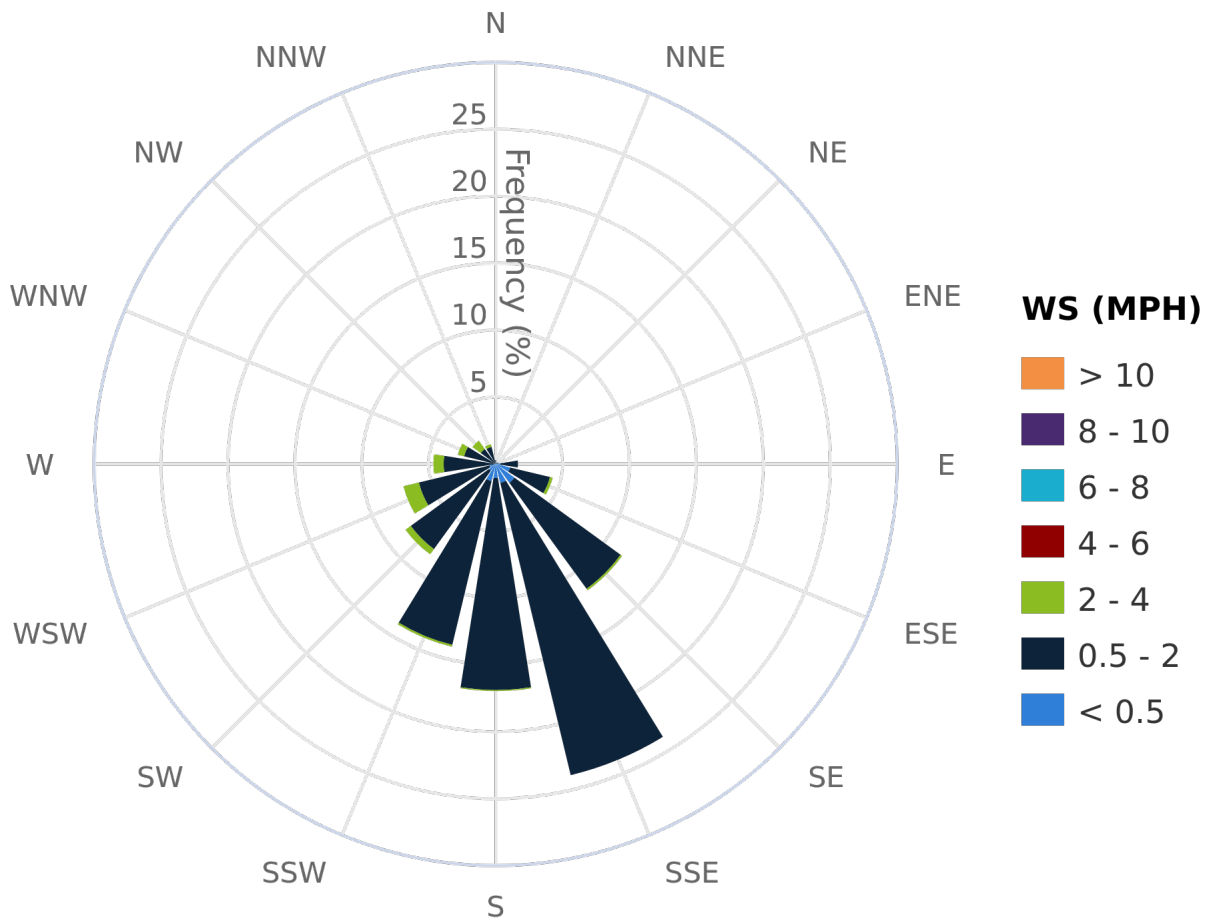


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

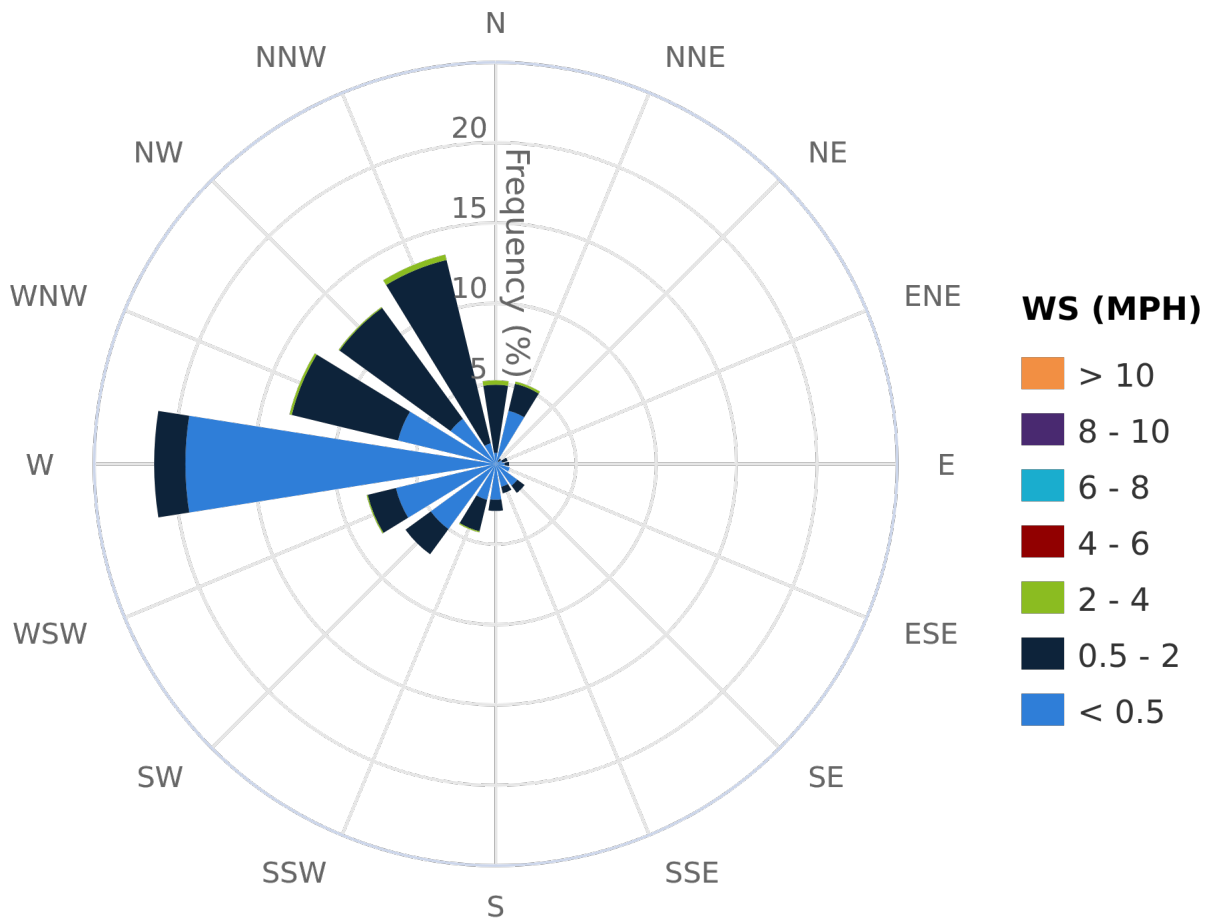


Figure 3 : Wind Rose Chart (WS in MPH)



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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	17.7	11.5	26.2	15.4	5.2	4.0	4.9	5.3	-0.063	0.000	0.000	0.000
00:15:00	21.0	10.5	29.0	13.4	5.2	4.3	4.4	6.1	-0.055	0.000	0.000	0.000
00:30:00	19.5	10.1	30.2	13.4	5.1	4.0	4.3	5.7	-0.052	0.001	0.000	0.000
00:45:00	15.0	9.4	25.8	13.4	4.8	3.9	4.3	5.3	-0.048	0.000	0.002	0.000
01:00:00	22.1	10.5	26.2	9.5	5.0	3.8	3.4	5.6	-0.047	0.000	0.000	0.000
01:15:00	20.5	8.4	22.4	13.0	4.7	3.9	4.1	5.2	-0.045	0.000	0.000	0.000
01:30:00	21.2	7.9	24.8	9.6	4.7	3.4	3.5	5.2	-0.043	0.000	0.000	0.000
01:45:00	17.7	8.7	29.3	14.7	4.4	3.4	4.1	5.5	-0.043	0.000	0.001	0.000
02:00:00	14.5	7.1	32.1	14.3	4.3	3.0	3.9	5.9	-0.042	0.000	0.000	0.000
02:15:00	13.8	8.6	27.7	13.5	4.3	4.4	3.9	5.5	-0.041	0.000	0.000	0.000
02:30:00	12.5	9.9	29.5	11.3	4.4	4.2	3.3	5.6	-0.041	0.000	0.000	0.000
02:45:00	14.3	11.2	31.2	12.9	4.5	3.8	4.1	5.7	-0.040	0.000	0.001	0.000
03:00:00	16.8	8.1	32.9	9.9	4.5	2.9	4.4	6.0	-0.041	0.000	0.008	0.000
03:15:00	16.0	9.3	30.7	9.8	4.4	3.3	4.0	5.8	-0.036	0.000	0.000	0.000
03:30:00	16.3	9.4	26.7	10.0	4.5	3.2	3.5	5.6	-0.035	0.000	0.000	0.000
03:45:00	18.2	7.6	22.2	10.2	4.4	2.8	3.4	5.2	-0.030	0.000	0.000	0.000
04:00:00	19.3	6.9	21.5	11.0	4.4	2.7	3.5	4.9	-0.026	0.000	0.000	0.000
04:15:00	17.3	8.1	26.4	12.1	4.4	3.2	3.7	5.2	-0.024	0.000	0.000	0.000
04:30:00	15.0	6.5	23.3	11.6	4.3	2.6	3.5	5.0	-0.023	0.000	0.001	0.000
04:45:00	15.2	8.3	23.3	13.6	4.3	2.9	3.8	5.2	-0.023	0.000	0.001	0.000
05:00:00	12.8	8.3	22.9	14.5	4.1	3.0	4.4	5.3	-0.019	0.001	0.001	0.000
05:15:00	11.6	8.6	20.3	16.3	4.0	3.1	5.9	5.0	-0.017	0.000	0.003	0.000
05:30:00	12.6	10.6	20.5	17.8	4.1	3.4	5.9	5.1	-0.018	0.000	0.001	0.000
05:45:00	13.8	10.8	20.9	16.5	4.2	3.5	5.0	5.1	-0.019	0.000	0.000	0.000
06:00:00	15.9	10.2	22.0	15.1	4.1	3.6	4.6	5.1	-0.018	0.000	0.000	0.000
06:15:00	15.6	11.2		14.0	4.0	3.9	4.3		-0.018	-0.001	0.000	
06:30:00	13.2	9.8		12.8	3.9	3.8	4.0		-0.017	0.000	0.000	
06:45:00	11.7	9.6		12.2	3.8	3.9	4.5		-0.014	0.000	0.001	
07:00:00	10.3	9.9		11.9	3.6	3.2	4.2		-0.016	0.000	0.002	
07:15:00	13.2	7.3		16.5	5.4	2.5	4.6		-0.015	0.000	0.001	
07:30:00	12.4	9.7		16.2	5.2	2.8	4.3		-0.015	0.000	0.000	
07:45:00	13.0	9.7		13.1	3.8	2.6	3.5		-0.017	0.000	0.000	
08:00:00	14.4	2.7		11.0	3.5	2.2	3.0		-0.018	0.000	0.000	
08:15:00	16.6	2.3		9.7	3.6	1.5	2.9		-0.020	0.000	0.000	
08:30:00	18.2	2.3		9.0	3.9	1.2	2.8		-0.024	0.001	0.000	
08:45:00	7.3	3.2		7.6	2.3	1.1	2.4		-0.031	0.001	0.000	
09:00:00	6.2	3.9		6.7	2.8	1.3	2.4		-0.035	0.001	0.000	
09:15:00	7.3	4.6		5.9	2.8	1.7	2.3		-0.038	0.002	0.000	
09:30:00	7.6	4.2	14.4	8.6	3.2	1.9	4.1	7.6	-0.041	0.002	0.000	0.073
09:45:00	9.7	4.0		11.0	4.6	2.3	5.7		-0.045	0.002	0.000	
10:00:00	13.3	4.3		11.8	6.6	4.1	6.3		-0.047	0.001	0.000	
10:15:00	12.9	4.3	15.0	11.4	6.6	6.6	6.2	9.2	-0.040	0.000	0.000	0.033
10:30:00	12.5	3.6	12.8	11.3	6.6	6.8	6.3	8.0	-0.033	0.000	0.000	0.002
10:45:00	12.8	2.7		11.6	6.7	6.7	6.4		-0.026	0.000	0.000	
11:00:00	13.7	2.7	12.8	11.6	7.0	6.8	6.6	7.9	-0.024	0.000	0.000	0.018
11:15:00	13.4	2.7	15.1	11.9	7.2	7.3	7.0	9.2	-0.011	0.000	0.000	0.000
11:30:00	13.2	3.5		12.3	7.3	7.2	7.2		-0.011	0.000	0.000	
11:45:00	13.4	4.5	14.8	11.7	7.4	7.6	7.0	9.0	-0.005	0.000	0.000	0.042



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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	15.6	4.6	12.8	12.6	7.6	7.9	7.4	8.0	0.008	0.000	0.000	0.015
12:15:00	13.2	4.6	12.2	12.3	7.3	8.0	7.3	7.5	0.016	0.000	0.000	0.001
12:30:00	25.8	5.1	12.8	11.5	8.4	8.0	6.9	7.7	0.023	0.000	0.000	0.000
12:45:00	12.9	4.7	12.9	12.0	7.0	7.4	7.2	7.6	0.032	0.000	0.000	0.000
13:00:00	30.1	10.6	12.1	11.7	8.9	7.7	7.1	7.3	0.035	0.000	0.000	0.002
13:15:00	17.3	11.3	11.2	11.2	7.3	7.8	6.9	6.8	0.034	0.001	0.000	0.016
13:30:00	17.9	10.7	11.0	10.9	7.2	7.3	6.6	6.4	0.020	0.000	0.000	0.024
13:45:00	14.3	10.8	10.8	10.9	6.4	7.1	6.5	6.2	0.002	-0.001	0.000	0.009
14:00:00	11.1	4.3	10.3	11.4	6.1	6.9	6.7	6.1	-0.021	0.000	0.000	0.001
14:15:00	11.2	4.7	10.2	10.9	6.1	7.2	6.5	5.9	-0.045	0.001	0.000	0.000
14:30:00	10.8	3.2	10.0	10.7	5.9	7.5	6.4	5.8	-0.072	0.000	0.000	0.000
14:45:00	11.3	3.1	10.2	11.0	6.1	7.6	6.6	6.0	-0.122	0.000	0.000	0.000
15:00:00	14.8	11.3	10.6	11.7	6.6	7.6	7.0	6.3	-0.157	0.000	0.000	0.000
15:15:00	12.0	11.7	10.9	12.5	6.5	7.7	7.2	6.4	-0.188	0.000	0.000	0.000
15:30:00	11.1	10.7	11.2	13.3	6.0	7.0	8.5	6.3	-0.213	0.001	0.000	0.000
15:45:00	14.2	9.6	10.7	20.1	6.1	6.3	14.5	6.0	-0.240	0.001	0.000	0.000
16:00:00	13.3	9.4	10.2	18.3	6.0	6.2	12.6	5.8	-0.254	0.002	0.000	0.000
16:15:00	10.4	9.7	11.1	17.7	5.7	6.4	11.7	6.1	-0.225	0.001	0.000	0.000
16:30:00	11.7	9.9	11.8	17.7	6.0	6.5	12.0	6.3	-0.214	0.001	0.000	0.000
16:45:00	20.2	10.1	10.7	26.6	7.5	6.9	19.2	6.3	-0.215	0.001	0.000	0.000
17:00:00	73.1	10.2	10.9	14.1	13.1	7.0	9.0	6.4	-0.192	0.001	0.000	0.000
17:15:00	19.7	10.6	11.4	21.1	7.4	7.1	14.7	6.7	-0.166	0.001	0.000	0.000
17:30:00	13.3	10.8	13.4	16.0	6.6	7.3	10.4	7.1	-0.139	0.001	0.000	0.000
17:45:00	14.1	10.9	16.8	12.7	6.6	7.4	8.0	8.1	-0.104	0.000	0.000	0.001
18:00:00	24.5	10.8	12.8	13.5	7.6	7.2	8.1	6.8	-0.061	0.000	0.000	0.000
18:15:00	13.0	10.9	15.1	13.7	6.5	7.1	7.8	7.1	-0.041	0.001	0.000	0.002
18:30:00	12.6	11.1	16.1	13.3	6.7	7.0	7.6	7.0	-0.013	0.000	0.000	0.000
18:45:00	13.2	10.9	15.2	41.0	7.3	6.9	31.5	6.9	-0.002	-0.001	0.000	0.000
19:00:00	15.1	10.9	15.5	45.2	9.2	7.1	35.9	7.7	0.002	0.000	0.005	0.000
19:15:00	43.9	11.0	14.4	47.8	17.1	7.2	37.5	6.9	0.004	0.000	0.022	0.000
19:30:00	27.0	12.4	17.6	38.0	18.7	7.7	29.0	7.8	-0.003	0.000	0.017	0.000
19:45:00	22.0	14.7	16.3	25.4	13.8	9.3	17.3	7.2	-0.008	0.000	0.017	0.000
20:00:00	16.3	16.7	16.8	16.4	9.2	10.7	8.3	7.6	-0.015	0.001	0.010	0.000
20:15:00	13.8	20.9	19.2	16.9	7.5	14.3	7.7	8.2	-0.024	0.000	0.005	0.000
20:30:00	14.0	21.3	21.8	16.1	7.1	14.8	7.5	8.4	-0.032	0.000	0.003	0.000
20:45:00	15.6	20.5	20.1	18.1	7.8	14.2	8.9	8.1	-0.040	0.000	0.001	0.000
21:00:00	14.8	21.8	18.4	18.9	7.5	15.0	8.8	8.3	-0.045	0.000	0.000	0.000
21:15:00	15.6	19.8	21.7	18.5	7.9	13.5	8.4	10.3	-0.048	0.000	0.000	0.000
21:30:00	18.7	16.5	24.2	19.7	9.5	10.5	10.3	11.2	-0.056	0.000	0.000	0.000
21:45:00	21.4	18.0	22.1	20.9	12.6	11.4	11.8	10.6	-0.060	0.000	0.000	0.000
22:00:00	21.1	18.7	25.3	21.1	12.3	12.0	12.8	11.2	-0.064	0.000	0.000	0.000
22:15:00	20.1	18.3	26.4	20.7	11.5	10.6	13.0	11.5	-0.065	0.000	0.000	0.000
22:30:00	23.0	17.9	25.0	21.6	12.1	10.8	12.8	11.9	-0.064	0.000	0.000	0.000
22:45:00	47.1	17.3	24.6	23.1	14.9	10.7	13.4	11.7	-0.061	0.000	0.000	0.000
23:00:00	23.7	16.4	24.9	20.7	11.7	10.5	11.6	11.1	-0.062	0.001	0.000	0.000
23:15:00	20.9	16.4	24.3	20.0	10.8	10.2	11.6	11.1	-0.058	-0.001	0.000	0.000
23:30:00	19.0	16.9	26.4	18.7	10.2	10.1	11.1	11.1	-0.057	0.000	0.000	0.000
23:45:00	17.9	16.0	26.3	18.1	9.8	9.7	10.4	10.8	-0.054	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)
19:00:00							35.9					
19:15:00							37.5					