



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-11-12

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1000 Max : 19.33	2943 SE	2693 W	2996 SW	2997 NNW	Min : 27.50 Max : 79.52	Min : 24.00 Max : 82.10	Min : 30.16 Max : 30.46

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	9.5	16.5	7.0	14.3	0.001	0.003
2943	22.4	233.1	7.0	28.7	-0.085	0.007
2996	16.1	78.1	6.8	17.5	0.009	0.032
2997	17.4	63.4	9.6	33.2	0.001	0.014



Figure 1 : Monitoring Locations

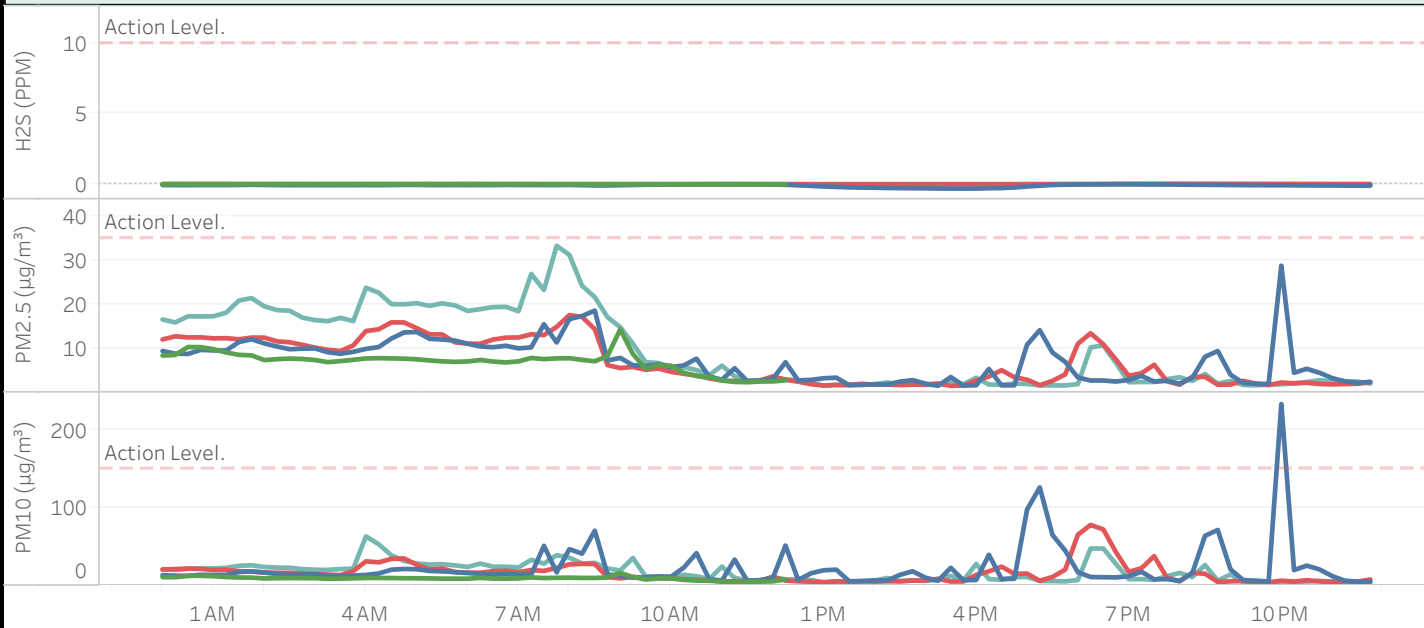


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

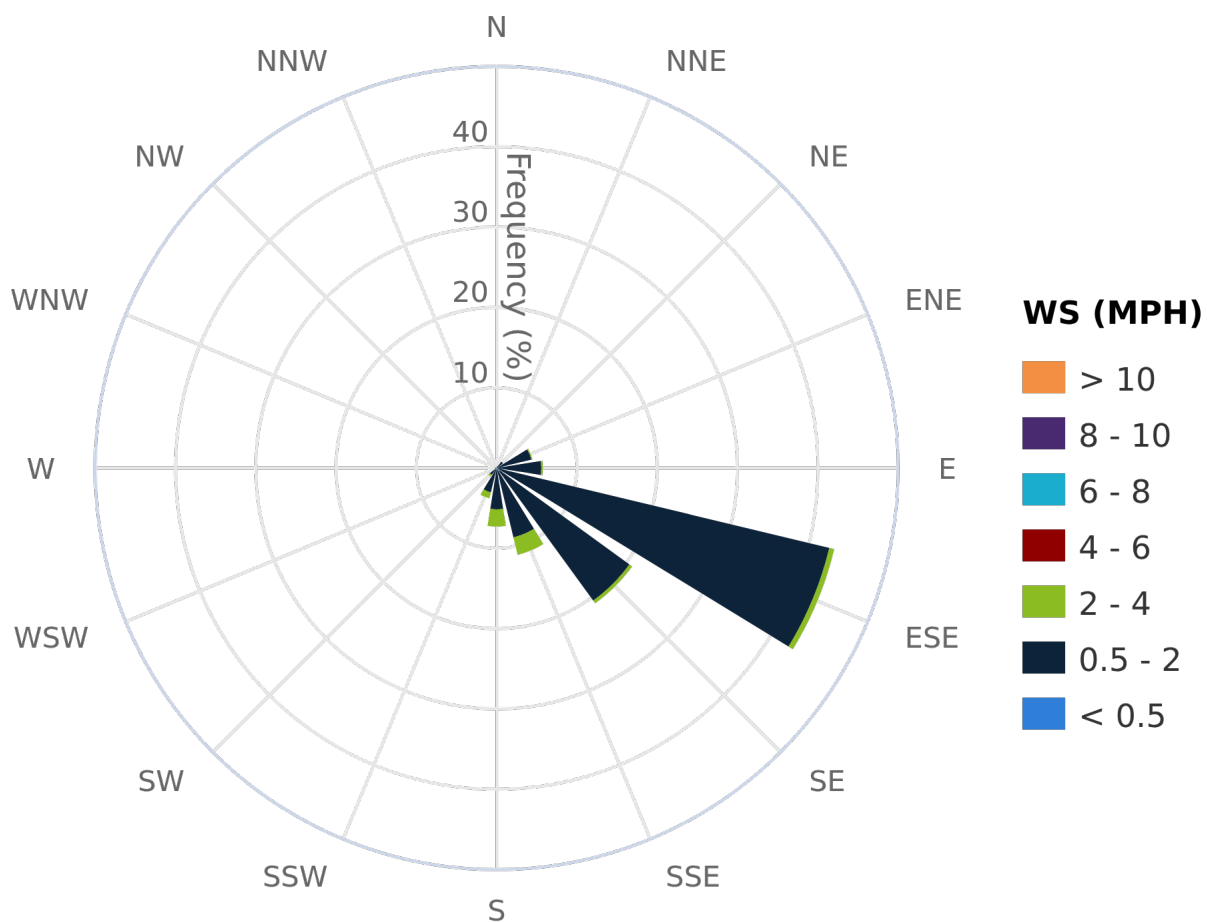


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

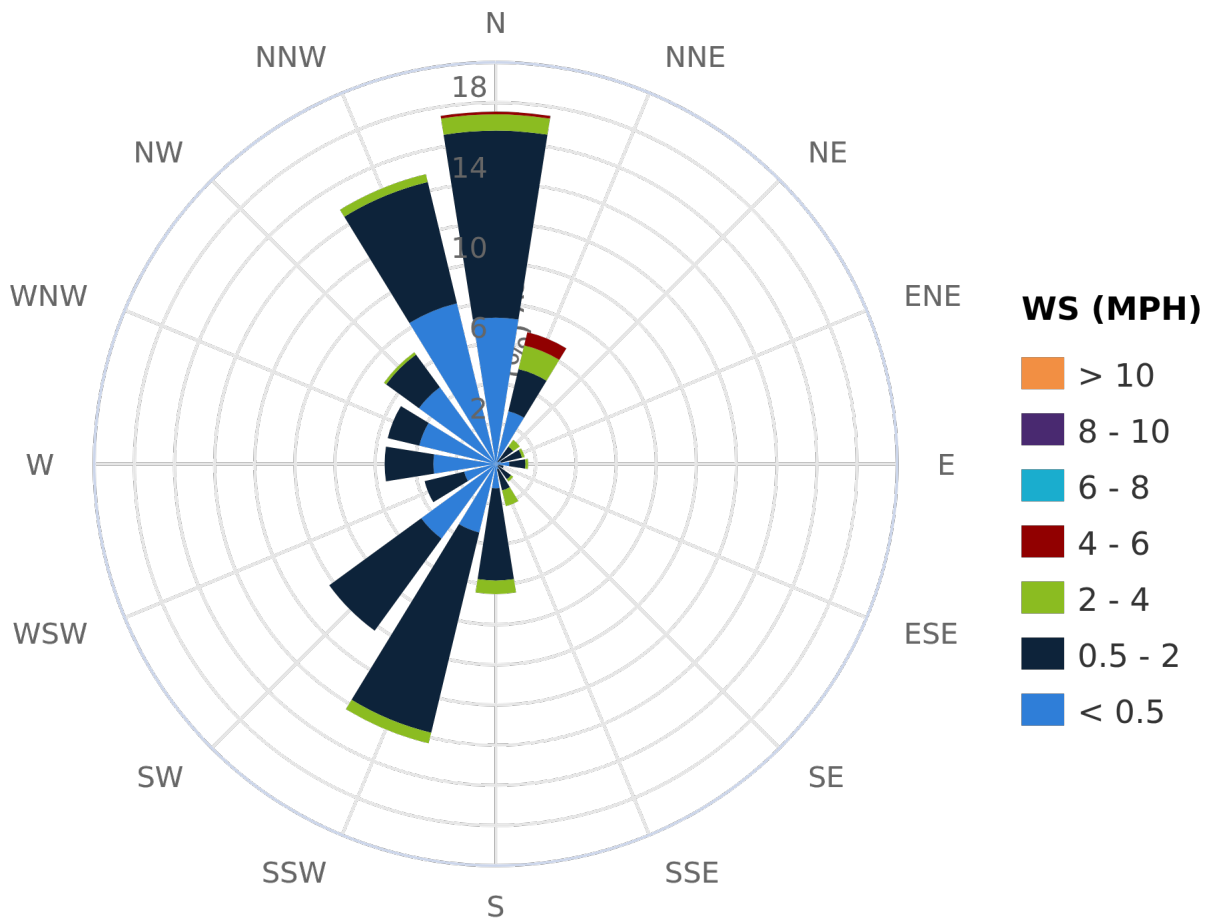


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

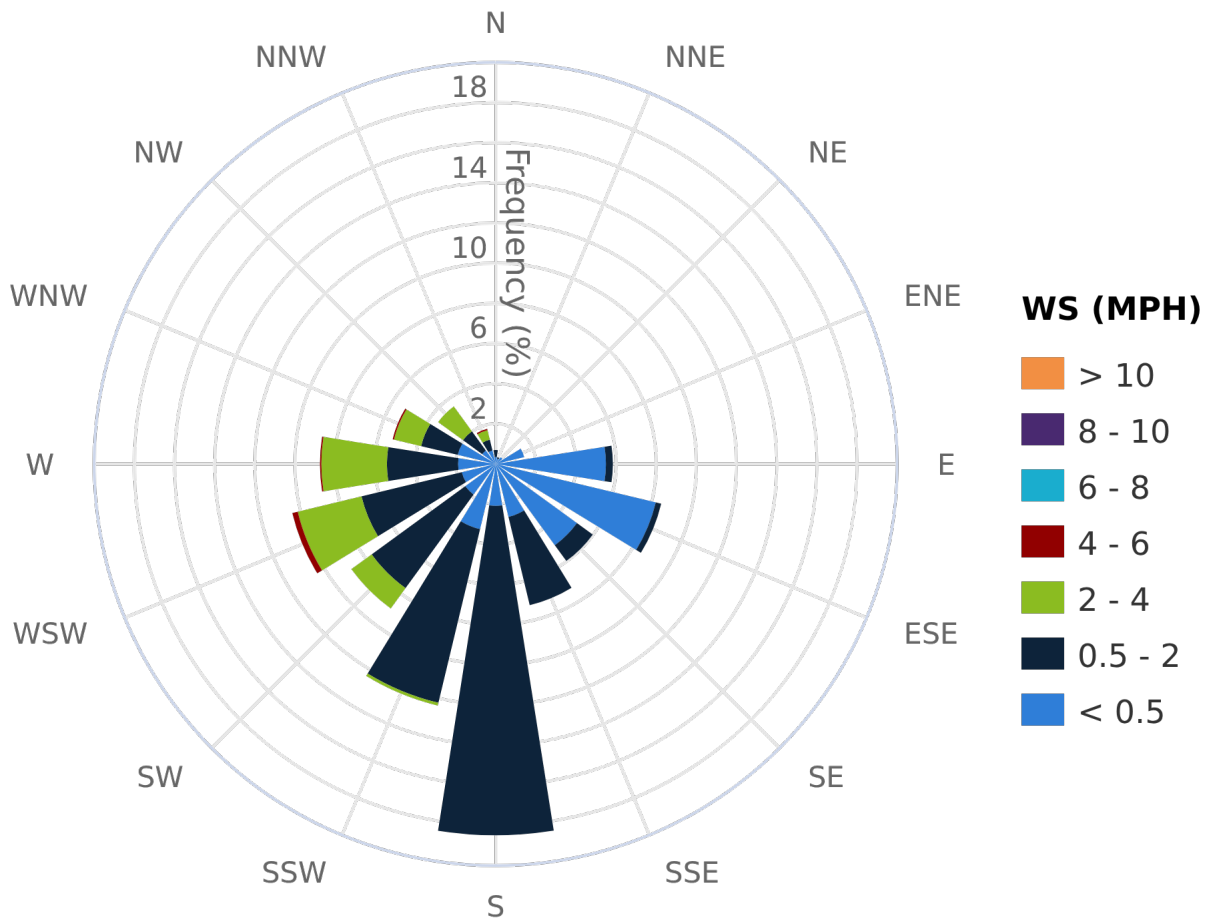


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

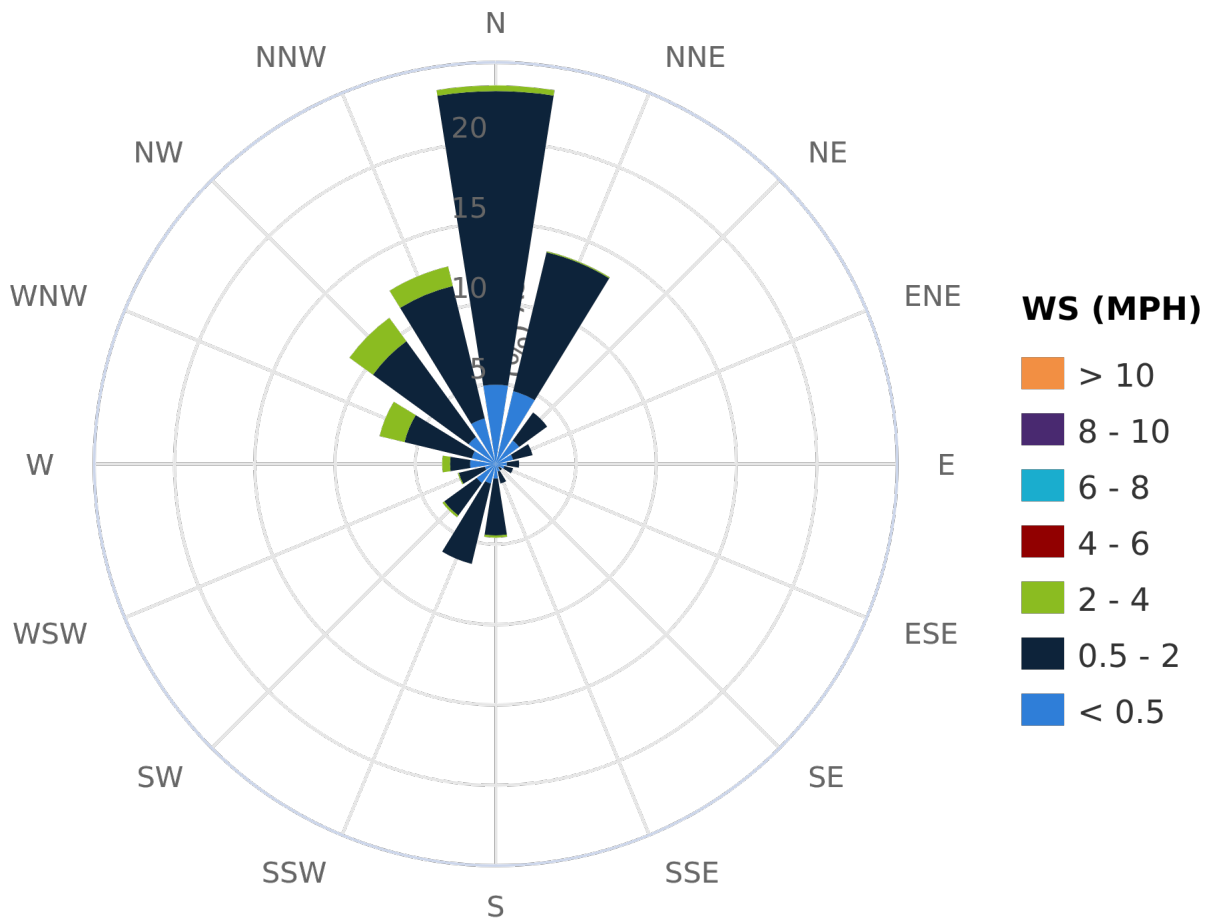


Figure 3 : Wind Rose Chart (WS in MPH)



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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	13.6	11.1	21.1	20.8	9.4	8.4	12.0	16.5	-0.057	0.000	0.012	0.000
00:15:00	13.0	11.0	20.2	21.5	8.8	8.5	12.7	15.9	-0.059	0.001	0.017	0.000
00:30:00	12.6	12.8	22.0	22.0	8.7	10.3	12.5	17.3	-0.060	0.000	0.015	0.000
00:45:00	14.1	12.8	22.2	21.7	9.7	10.3	12.5	17.2	-0.059	0.000	0.018	0.000
01:00:00	13.8	12.3	22.2	20.3	9.5	9.8	12.3	17.3	-0.057	0.000	0.017	0.000
01:15:00	14.0	11.2	23.1	20.6	9.5	9.1	12.3	18.1	-0.058	0.001	0.016	0.000
01:30:00	17.6	10.6	25.6	18.7	11.4	8.5	12.1	20.8	-0.049	0.001	0.008	0.000
01:45:00	18.5	10.4	26.3	18.2	12.1	8.4	12.4	21.4	-0.037	0.000	0.007	0.000
02:00:00	16.9	9.4	24.1	17.2	11.1	7.4	12.4	19.5	-0.047	0.001	0.008	0.000
02:15:00	15.1	9.7	23.3	16.6	10.4	7.6	11.6	18.6	-0.058	0.001	0.012	0.000
02:30:00	14.3	9.9	23.1	16.6	9.8	7.7	11.4	18.5	-0.062	0.001	0.011	0.000
02:45:00	14.4	9.8	21.4	15.9	9.9	7.6	10.8	16.9	-0.062	0.001	0.013	0.000
03:00:00	14.7	9.7	20.6	15.2	10.0	7.4	10.2	16.4	-0.064	0.001	0.006	0.000
03:15:00	12.8	8.9	20.3	14.3	9.1	6.9	9.7	16.2	-0.065	0.000	0.008	0.000
03:30:00	12.4	9.2	21.4	13.6	8.8	7.1	9.4	16.9	-0.065	0.001	0.007	0.000
03:45:00	13.0	9.5	22.0	18.8	9.2	7.4	10.7	16.2	-0.060	0.001	0.013	0.000
04:00:00	13.9	10.0	63.4	31.4	9.9	7.7	13.9	23.7	-0.059	0.001	0.012	0.000
04:15:00	15.7	10.0	53.3	30.1	10.3	7.8	14.3	22.6	-0.061	0.001	0.013	0.000
04:30:00	20.6	9.9	39.1	34.5	12.2	7.7	15.9	20.0	-0.053	0.002	0.011	0.000
04:45:00	21.6	9.7	31.9	35.1	13.6	7.7	15.9	20.0	-0.044	0.002	0.011	0.000
05:00:00	21.2	9.6	28.6	26.9	13.7	7.5	14.6	20.2	-0.045	0.002	0.010	0.000
05:15:00	19.1	9.5	27.2	21.0	12.2	7.3	13.2	19.6	-0.058	0.002	0.014	0.000
05:30:00	18.5	9.2	27.7	22.3	12.0	7.1	13.2	20.2	-0.058	0.002	0.007	0.000
05:45:00	17.5	9.1	26.2	17.5	11.8	7.0	11.4	19.7	-0.056	0.003	0.011	0.000
06:00:00	16.3	9.1	24.2	17.0	11.1	7.0	11.1	18.5	-0.059	0.002	0.014	0.000
06:15:00	15.3	10.1	28.5	16.8	10.4	7.4	11.0	18.9	-0.055	0.002	0.012	0.000
06:30:00	14.4	9.2	24.5	18.7	10.3	7.0	12.0	19.3	-0.055	0.001	0.010	0.000
06:45:00	15.0	9.1	24.4	19.3	10.6	6.8	12.4	19.4	-0.048	0.002	0.011	0.000
07:00:00	14.3	9.4	23.5	17.6	10.0	7.1	12.5	18.4	-0.052	0.001	0.012	0.000
07:15:00	14.5	10.7	33.3	20.2	10.2	7.8	13.2	26.8	-0.052	0.003	0.007	0.000
07:30:00	51.3	9.9	28.5	19.1	15.5	7.6	13.0	23.2	-0.055	0.001	0.003	0.000
07:45:00	17.2	10.2	39.3	22.9	11.3	7.7	14.9	33.2	-0.058	0.001	0.001	0.000
08:00:00	47.0	10.4	36.0	27.4	16.6	7.8	17.5	31.1	-0.047	0.002	0.000	0.000
08:15:00	41.2	10.1	28.6	28.1	17.3	7.4	17.1	24.1	-0.066	0.002	0.000	0.000
08:30:00	70.7	10.0	29.4	27.9	18.5	7.1	14.3	21.6	-0.083	0.002	0.000	0.000
08:45:00	14.5	10.6	22.2	11.1	7.3	8.3	6.2	17.1	-0.083	0.002	0.000	0.000
09:00:00	12.7	16.5	19.6	9.6	7.9	14.3	5.6	14.8	-0.068	0.001	0.000	0.000
09:15:00	10.3	11.2	35.7	11.5	6.2	8.7	5.8	11.0	-0.052	0.001	0.000	0.000
09:30:00	10.7	8.0	11.8	9.7	6.0	5.4	5.2	6.9	-0.033	0.000	0.001	0.000
09:45:00	11.9	9.3	12.0	10.1	6.4	6.2	5.4	6.7	-0.027	0.001	0.000	0.000
10:00:00	11.6	9.5	10.9	9.2	5.7	6.1	4.7	5.8	-0.014	0.001	0.000	0.000
10:15:00	23.3	7.6	14.0	8.4	6.2	4.5	4.3	5.7	-0.011	0.001	0.000	0.000
10:30:00	41.9	6.7	12.2	7.9	7.7	3.8	3.8	5.1	-0.004	0.001	0.000	0.001
10:45:00	8.3	6.4	8.5	7.0	3.6	3.5	3.2	4.0	-0.001	0.001	0.000	0.001
11:00:00	6.8	5.4	24.6	5.8	2.9	2.7	2.7	6.1	0.002	0.002	0.000	0.001
11:15:00	33.7	5.1	10.1	5.8	5.5	2.4	2.6	3.7	0.004	0.001	0.000	0.001
11:30:00	6.3	5.3	6.8	6.0	2.6	2.4	2.5	2.7	-0.002	0.001	0.000	0.000
11:45:00	7.3	5.3	6.8	6.3	2.8	2.5	2.7	2.8	-0.003	0.001	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	9.7	5.7	10.9	11.5	3.1	2.5	3.7	3.4	-0.010	0.002	0.000	0.000
12:15:00	51.6	8.2	8.2	6.7	6.9	2.8	2.9	3.0	-0.041	0.002	0.000	0.000
12:30:00	7.5		8.4	5.7	2.8		2.5	2.8	-0.075		0.000	0.000
12:45:00	16.0		7.4	5.2	2.9		1.9	2.3	-0.116		0.000	0.000
13:00:00	19.9		4.6	4.3	3.3		1.6	1.6	-0.158		0.000	0.000
13:15:00	20.7		5.8	5.5	3.4		1.7	1.7	-0.188		0.000	0.000
13:30:00	5.9		5.4	5.2	1.7		1.7	1.7	-0.220		0.000	0.000
13:45:00	5.9		5.4	6.0	1.7		2.0	1.8	-0.235		0.000	0.000
14:00:00	6.8		6.7	5.3	1.9		1.8	1.9	-0.246		0.000	0.000
14:15:00	6.8		9.9	5.8	1.8		1.8	2.3	-0.265		0.000	0.000
14:30:00	14.0		6.0	5.7	2.5		1.7	1.8	-0.275		0.000	0.000
14:45:00	18.6		6.9	6.7	2.8		1.8	1.8	-0.282		0.000	0.000
15:00:00	10.4		6.3	6.7	2.0		1.8	1.8	-0.289		0.000	0.000
15:15:00	6.5		7.6	9.0	1.6		2.1	1.8	-0.301		0.000	0.000
15:30:00	23.0		12.7	5.5	3.5		1.5	2.6	-0.306		0.000	0.000
15:45:00	7.2		7.1	5.6	1.6		1.6	1.9	-0.308		0.000	0.000
16:00:00	7.4		28.0	14.0	1.7		2.7	3.4	-0.305		0.000	0.000
16:15:00	39.8		8.6	18.4	5.3		3.6	1.8	-0.281		0.000	0.000
16:30:00	8.6		7.7	24.5	1.6		5.1	1.8	-0.269		0.000	0.000
16:45:00	8.9		11.1	15.4	1.7		3.5	2.1	-0.228		0.000	0.000
17:00:00	97.7		11.4	15.6	10.8		2.9	2.0	-0.158		0.000	0.005
17:15:00	126.1		6.1	6.4	14.1		1.7	1.6	-0.102		0.000	0.010
17:30:00	65.2		6.0	11.2	9.0		2.7	1.7	-0.050		0.000	0.011
17:45:00	45.2		5.6	20.7	7.0		4.1	1.6	-0.030		0.000	0.014
18:00:00	17.3		7.4	65.5	3.4		11.1	1.9	-0.017		0.000	0.013
18:15:00	11.2		47.8	78.1	2.7		13.4	10.2	-0.002		0.000	0.011
18:30:00	11.0		47.8	72.3	2.7		10.9	10.7	0.004		0.007	0.004
18:45:00	10.7		27.8	42.9	2.5		7.5	6.7	0.007		0.016	0.000
19:00:00	12.2		8.5	17.8	2.9		3.8	2.4	0.003		0.025	0.000
19:15:00	18.0		8.6	22.5	3.8		4.4	2.4	-0.004		0.031	0.000
19:30:00	8.2		7.6	38.0	2.5		6.3	2.4	-0.010		0.031	0.000
19:45:00	8.6		12.2	10.5	2.7		2.6	3.0	-0.017		0.032	0.000
20:00:00	6.2		16.5	5.6	2.0		1.8	3.5	-0.026		0.031	0.000
20:15:00	16.3		11.3	16.6	3.4		3.6	2.6	-0.034		0.030	0.000
20:30:00	64.1		26.6	15.4	8.1		3.6	4.2	-0.040		0.030	0.000
20:45:00	71.6		6.6	4.9	9.4		1.8	2.0	-0.046		0.029	0.000
21:00:00	21.2		14.5	5.6	4.1		1.8	2.7	-0.054		0.027	0.000
21:15:00	7.3		4.6	6.2	2.2		2.7	1.7	-0.061		0.025	0.000
21:30:00	6.5		4.2	4.5	2.0		2.0	1.7	-0.065		0.024	0.000
21:45:00	5.4		4.6	4.2	2.0		1.7	1.8	-0.073		0.023	0.000
22:00:00	233.1		4.8	6.6	28.7		2.3	1.9	-0.070		0.019	0.000
22:15:00	20.1		5.2	5.3	4.5		2.1	2.1	-0.078		0.021	0.000
22:30:00	25.8		5.5	7.1	5.4		2.2	2.4	-0.084		0.018	0.000
22:45:00	21.0		6.2	5.6	4.5		2.0	2.8	-0.087		0.018	0.000
23:00:00	12.4		5.7	4.9	3.3		1.9	2.6	-0.087		0.015	0.000
23:15:00	6.5		5.2	5.5	2.6		1.9	2.5	-0.097		0.013	0.000
23:30:00	5.3		4.9	5.3	2.2		2.0	2.5	-0.100		0.012	0.000
23:45:00	5.4		4.5	8.1	2.4		2.4	2.1	-0.098		0.009	0.000

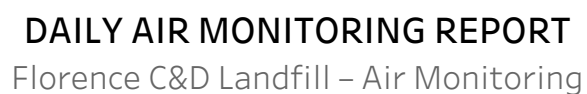


Table 4 : Summary of Exceedances (greater than Action Level) -

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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