



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-11-24

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1100 Max : 14.81	2943 ENE	2693 NNW	2996 ESE	2997 WSW	Min : 54.50 Max : 91.94	Min : 43.40 Max : 91.30	Min : 30.04 Max : 30.28

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	23.9	29.2	20.0	25.0	0.000	0.001
2943	26.7	259.0	11.3	47.0	-0.034	0.026
2996	18.5	86.4	10.7	26.9	0.000	0.003
2997	17.0	65.7	10.4	23.1	0.001	0.021



Figure 1 : Monitoring Locations

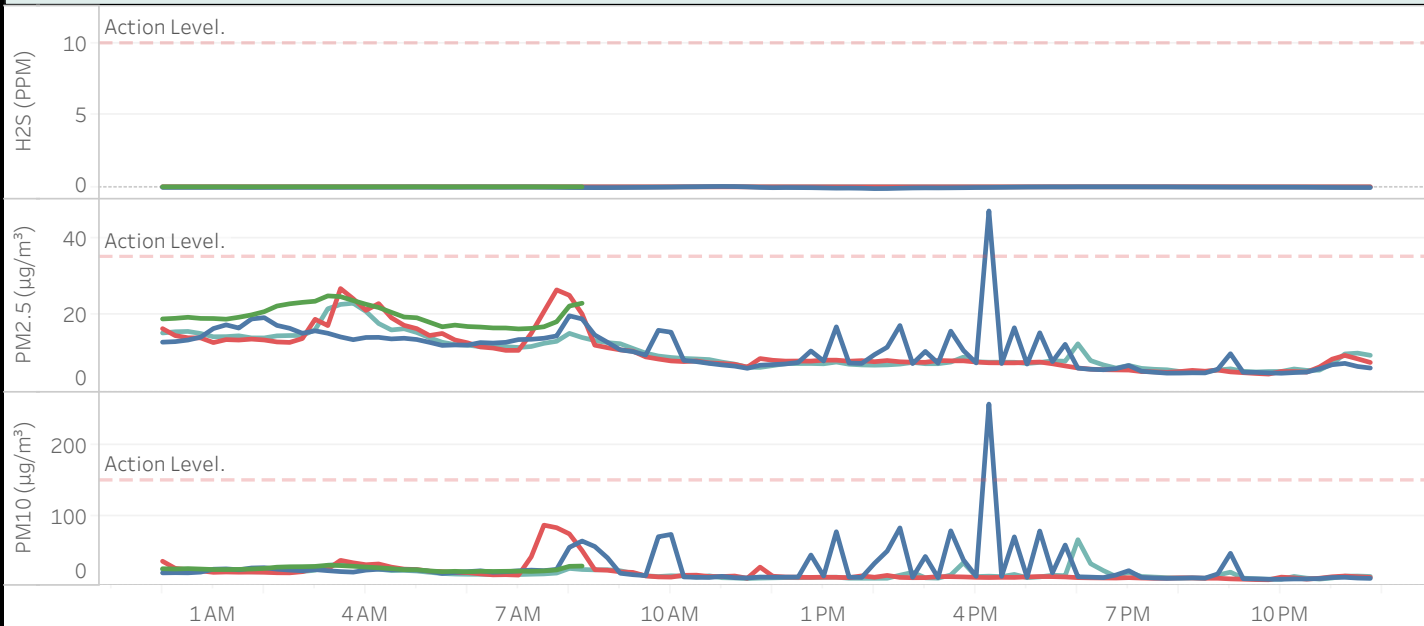


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

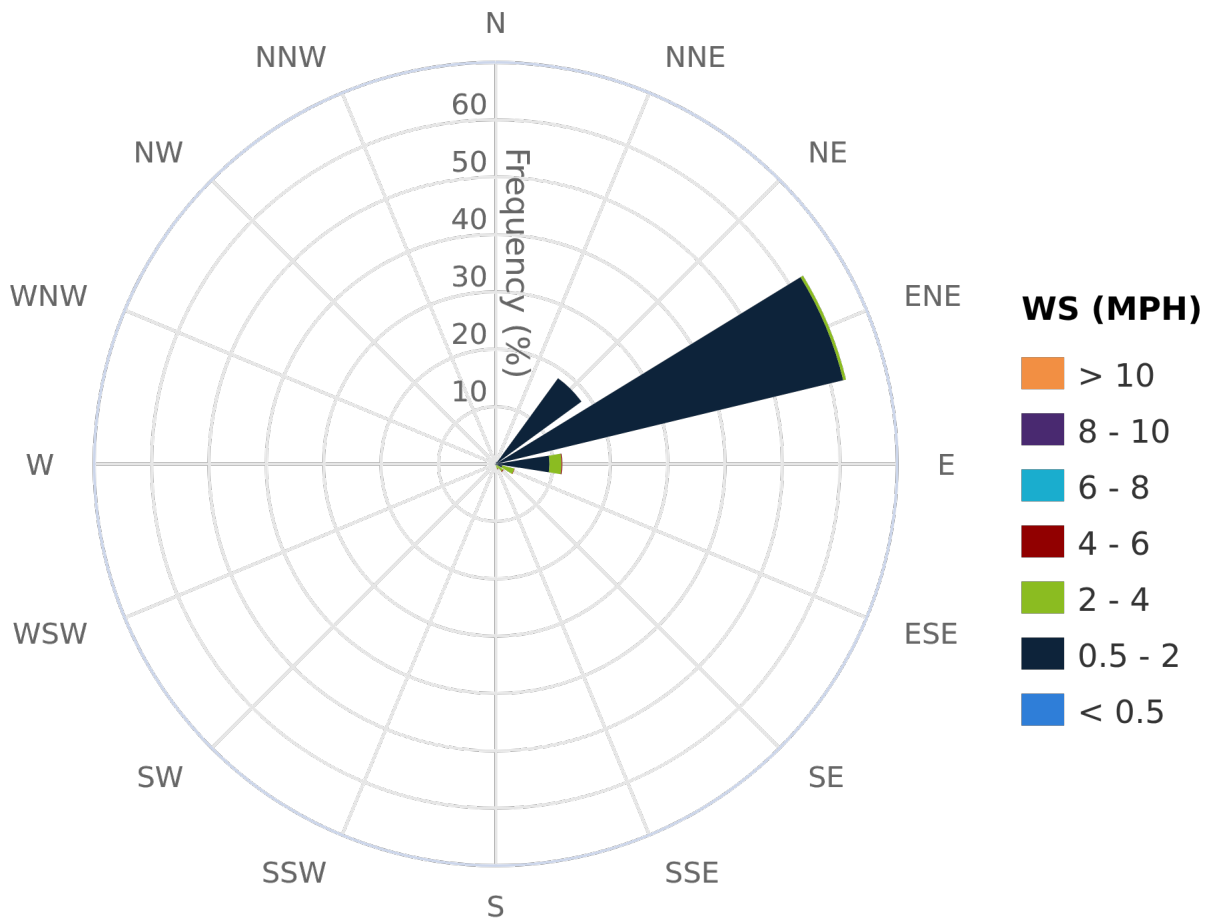


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

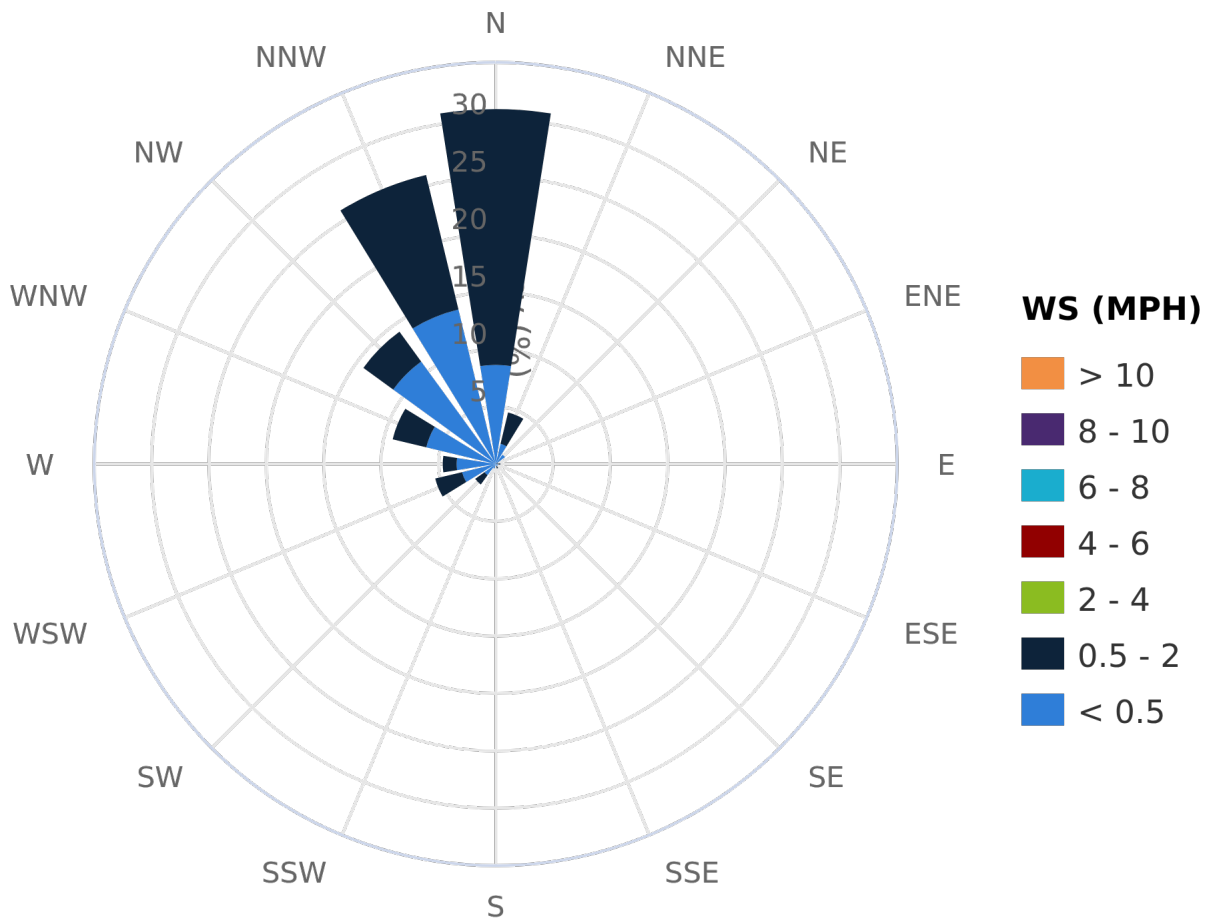


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

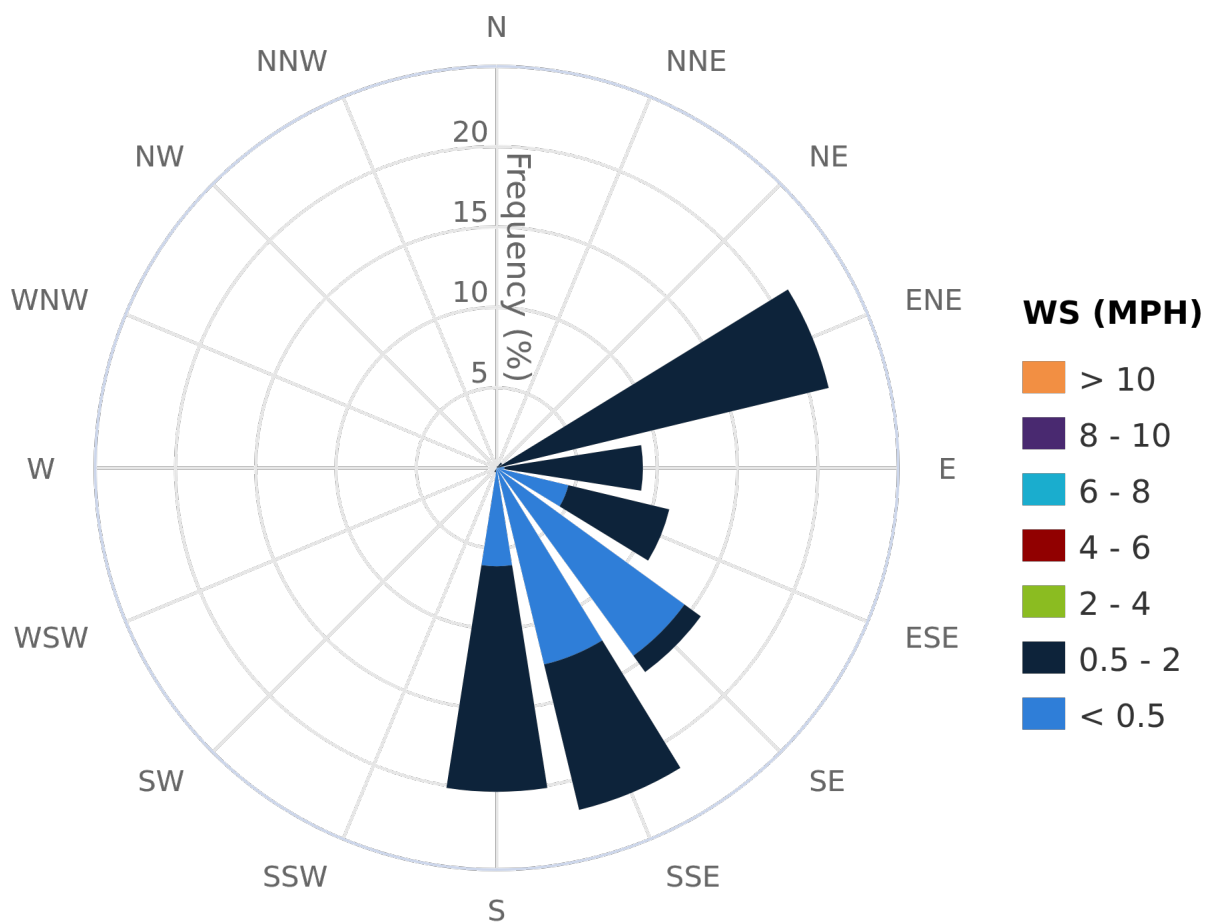


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

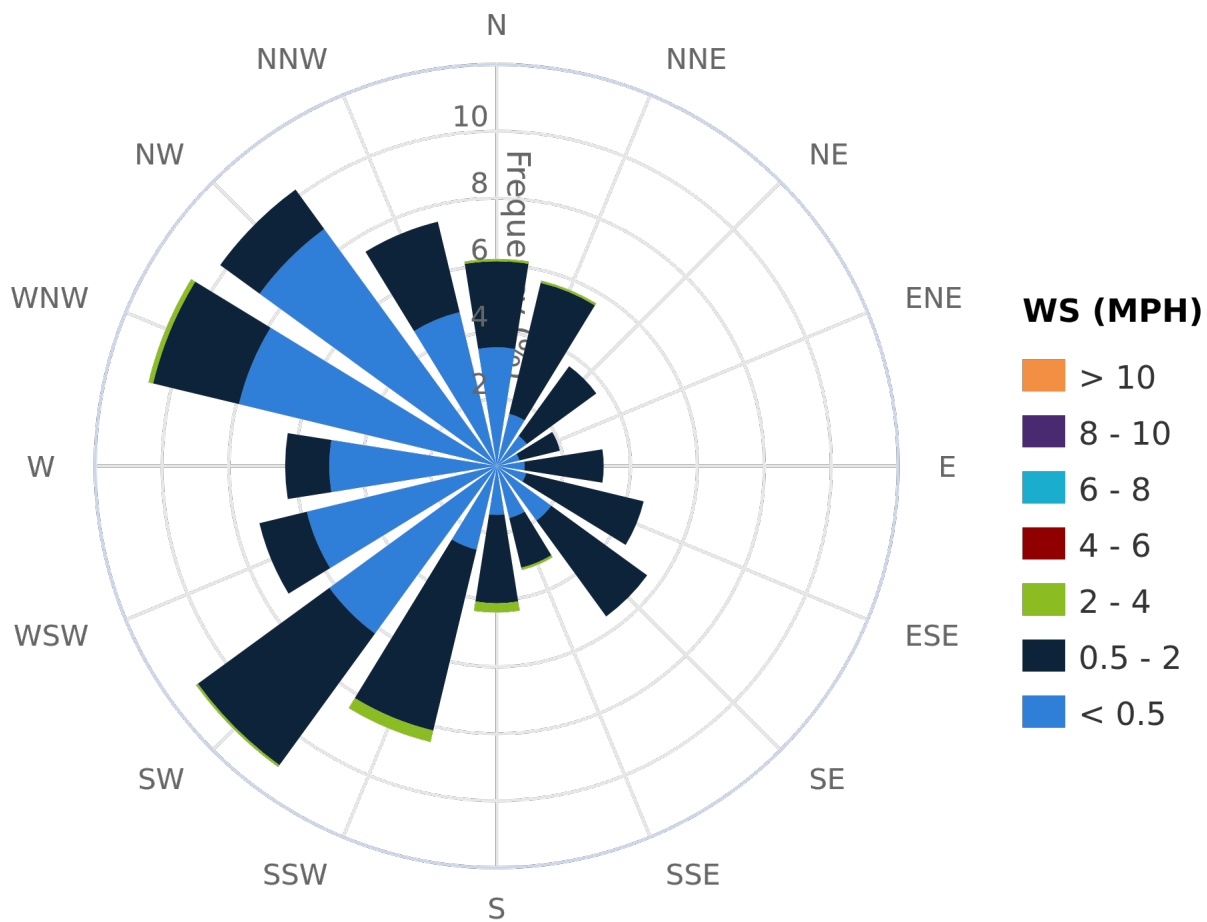


Figure 3 : Wind Rose Chart (WS in MPH)



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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	18.4	24.3	23.2	35.0	13.1	19.1	16.6	15.4	-0.037	0.000	0.000	0.000
00:15:00	18.7	23.9	22.8	24.8	13.2	19.2	14.8	15.7	-0.037	0.000	0.000	0.000
00:30:00	18.5	24.5	22.9	22.8	13.6	19.5	14.2	15.8	-0.037	0.001	0.000	0.000
00:45:00	19.5	23.8	22.7	21.2	14.4	19.2	14.2	15.3	-0.037	0.000	0.000	0.000
01:00:00	23.6	23.2	21.5	19.2	16.6	19.2	13.0	14.5	-0.034	0.000	0.000	0.000
01:15:00	24.1	23.1	21.6	19.6	17.5	19.0	13.7	14.5	-0.033	0.000	0.000	0.000
01:30:00	22.8	23.4	20.6	19.3	16.7	19.5	13.6	14.7	-0.039	0.000	0.000	0.000
01:45:00	25.3	23.9	19.9	19.5	19.1	20.1	13.9	14.2	-0.039	0.000	0.000	0.000
02:00:00	25.8	24.7	19.9	19.2	19.4	21.0	13.6	14.2	-0.036	0.000	0.000	0.000
02:15:00	23.7	26.5	19.7	18.5	17.4	22.4	13.1	14.7	-0.034	0.000	0.000	0.000
02:30:00	22.4	27.1	19.7	18.4	16.7	23.0	13.0	14.8	-0.032	0.000	0.000	0.000
02:45:00	21.4	27.2	20.4	20.1	15.4	23.4	14.0	14.8	-0.029	0.000	0.000	0.000
03:00:00	23.0	27.6	22.1	25.2	16.0	23.7	19.0	16.3	-0.030	0.000	0.000	0.000
03:15:00	21.5	29.2	29.2	23.8	15.4	25.0	17.4	21.7	-0.031	0.001	0.000	0.000
03:30:00	20.2	28.8	31.0	36.2	14.4	24.8	26.9	22.8	-0.030	0.000	0.000	0.000
03:45:00	19.4	27.8	30.8	32.7	13.7	23.8	24.3	23.1	-0.028	0.001	0.000	0.000
04:00:00	22.3	26.7	27.4	30.0	14.3	22.9	21.3	21.0	-0.028	0.000	0.000	0.000
04:15:00	23.5	25.7	23.7	31.0	14.3	22.0	23.0	17.9	-0.025	0.000	0.000	0.000
04:30:00	22.9	24.3	21.6	26.6	13.9	20.8	19.4	16.2	-0.024	0.000	0.000	0.000
04:45:00	22.8	22.9	21.9	23.7	14.1	19.6	17.4	16.5	-0.022	-0.001	0.000	0.000
05:00:00	22.4	22.8	21.0	23.2	13.7	19.4	16.6	15.6	-0.020	0.001	0.000	0.000
05:15:00	20.7	21.2	19.2	20.7	13.0	18.2	14.8	14.2	-0.022	0.001	0.000	0.000
05:30:00	17.5	20.1	17.5	20.2	12.2	17.0	15.3	13.0	-0.027	0.000	0.000	0.000
05:45:00	19.0	20.6	16.7	18.7	12.3	17.5	13.6	12.4	-0.024	0.000	0.000	0.000
06:00:00	20.1	20.0	16.4	18.8	12.3	17.1	12.9	12.3	-0.021	0.000	0.000	0.000
06:15:00	21.3	20.7	16.3	17.0	13.0	17.0	11.8	11.9	-0.019	0.000	0.000	0.000
06:30:00	19.3	20.4	15.9	15.5	12.8	16.7	11.5	11.9	-0.024	0.000	0.000	0.000
06:45:00	20.0	20.6	16.2	15.8	13.0	16.7	10.9	11.9	-0.023	0.000	0.000	0.000
07:00:00	21.3	20.9	16.0	15.2	13.7	16.5	10.9	11.7	-0.020	0.000	0.000	0.000
07:15:00	22.3	20.5	16.5	41.3	13.8	16.6	15.3	11.9	-0.021	0.000	0.000	0.000
07:30:00	21.6	21.2	16.9	86.4	14.1	17.0	21.0	12.8	-0.026	0.000	0.000	0.000
07:45:00	23.3	22.6	18.1	82.8	14.7	18.4	26.6	13.3	-0.034	0.000	0.000	0.000
08:00:00	54.8	27.7	24.7	74.0	19.9	22.4	25.2	15.3	-0.046	0.000	0.000	0.000
08:15:00	63.8	28.1	23.2	50.2	19.1	23.1	20.3	14.3	-0.052	0.000	0.000	0.000
08:30:00	55.9		22.7	22.9	14.9		12.3	13.5	-0.056		0.000	0.000
08:45:00	39.8		22.9	22.1	13.0		11.6	12.9	-0.055		0.000	0.000
09:00:00	17.8		21.4	19.9	11.1		11.1	12.7	-0.050		0.000	0.000
09:15:00	15.8		17.7	19.0	10.6		10.7	11.4	-0.043		0.000	0.000
09:30:00	14.5		14.2	14.0	9.7		9.3	10.2	-0.037		0.000	0.000
09:45:00	69.9		13.2	12.6	16.1		8.7	9.5	-0.028		0.000	0.000
10:00:00	73.2		14.2	12.4	15.6		8.2	9.1	-0.018		0.000	0.000
10:15:00	12.6		13.9	14.9	8.3		8.0	8.8	-0.001		0.000	0.000
10:30:00	12.0		12.2	15.1	8.0		8.2	8.7	0.008		0.000	0.000
10:45:00	11.8		14.2	13.2	7.6		7.7	8.6	0.019		0.000	0.008
11:00:00	13.4		11.5	13.2	7.2		7.5	7.9	0.026		0.000	0.014
11:15:00	11.5		11.1	13.9	6.9		7.3	7.4	0.018		0.000	0.021
11:30:00	11.1		10.4	10.7	6.3		6.6	6.6	-0.005		0.000	0.009
11:45:00	12.4		10.9	26.6	7.1		8.8	6.5	-0.040		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	12.2		11.3	13.6	7.3		8.4	7.0	-0.059		0.000	0.000
12:15:00	12.3		11.7	12.5	7.4		8.2	7.5	-0.049		0.000	0.000
12:30:00	12.5		11.5	12.2	7.8		8.2	7.5	-0.054		0.000	0.000
12:45:00	43.8		11.8	11.9	10.8		8.2	7.5	-0.060		0.000	0.000
13:00:00	13.9		11.9	12.3	8.2		8.4	7.5	-0.076		0.000	0.000
13:15:00	77.0		12.2	12.0	17.0		8.4	7.9	-0.091		0.000	0.000
13:30:00	12.2		10.8	11.6	7.7		8.1	7.4	-0.086		0.000	0.000
13:45:00	12.0		10.7	14.1	7.6		8.3	7.2	-0.098		0.000	0.000
14:00:00	32.0		10.7	12.2	9.8		8.0	7.1	-0.122		0.000	0.000
14:15:00	49.5		10.8	14.8	11.7		8.3	7.2	-0.117		0.000	0.000
14:30:00	82.5		15.0	11.9	17.4		8.0	7.4	-0.096		0.000	0.000
14:45:00	12.0		19.1	11.5	7.5		7.9	7.8	-0.078		0.000	0.000
15:00:00	41.8		11.4	11.6	10.7		7.9	7.5	-0.072		0.000	0.000
15:15:00	11.5		10.9	13.0	7.6		8.3	7.5	-0.075		0.000	0.000
15:30:00	78.3		15.3	13.0	15.9		8.2	7.9	-0.069		0.000	0.000
15:45:00	36.7		32.9	12.6	10.9		8.2	9.2	-0.061		0.000	0.000
16:00:00	13.5		13.1	12.0	7.7		7.9	8.0	-0.050		0.000	0.000
16:15:00	259.0		13.7	11.7	47.0		7.7	7.9	-0.045		0.000	0.000
16:30:00	13.4		13.0	12.0	7.5		7.7	7.9	-0.036		0.000	0.000
16:45:00	69.7		16.1	11.9	16.8		7.7	7.9	-0.025		0.000	0.000
17:00:00	12.2		11.5	12.6	7.4		7.8	7.5	-0.014		0.000	0.000
17:15:00	78.1		12.7	13.1	15.5		7.9	7.8	-0.011		0.000	0.003
17:30:00	18.5		15.0	13.0	8.0		7.5	8.2	-0.006		0.000	0.003
17:45:00	58.1		14.4	12.6	12.5		6.9	8.1	-0.006		0.000	0.003
18:00:00	12.8		65.7	11.6	6.3		6.4	12.6	-0.001		0.000	0.004
18:15:00	12.3		31.5	11.3	6.0		6.1	8.3	0.000		0.000	0.002
18:30:00	11.7		21.7	11.1	5.9		5.9	7.2	0.001		0.000	0.000
18:45:00	15.4		13.2	11.0	6.2		5.9	6.4	0.002		0.000	0.000
19:00:00	21.5		19.3	11.6	7.0		5.8	7.0	0.002		0.000	0.000
19:15:00	11.9		13.3	11.0	5.5		5.5	6.3	0.000		0.001	0.000
19:30:00	11.0		12.4	10.7	5.3		5.4	6.0	-0.003		0.002	0.000
19:45:00	10.5		11.6	10.8	5.0		5.3	5.9	-0.004		0.003	0.000
20:00:00	10.8		11.0	11.3	5.1		5.4	5.5	-0.010		0.003	0.000
20:15:00	11.3		11.1	11.2	5.1		5.8	5.5	-0.013		0.003	0.000
20:30:00	10.9		10.7	10.7	5.1		5.5	5.4	-0.017		0.003	0.000
20:45:00	16.8		15.2	10.7	6.1		5.8	5.8	-0.019		0.002	0.000
21:00:00	46.3		19.4	9.8	10.1		5.4	6.2	-0.023		0.002	0.000
21:15:00	10.1		10.9	9.4	5.3		5.2	5.5	-0.024		0.001	0.000
21:30:00	9.9		10.0	8.8	5.3		5.0	5.4	-0.026		0.000	0.000
21:45:00	9.3		9.3	8.6	5.1		4.8	5.5	-0.028		0.000	0.000
22:00:00	9.3		9.3	12.3	5.0		5.5	5.5	-0.028		0.000	0.000
22:15:00	9.7		13.3	11.3	5.2		5.5	6.1	-0.030		0.000	0.000
22:30:00	9.7		10.8	9.5	5.3		5.3	5.8	-0.033		0.000	0.000
22:45:00	10.4		9.5	10.7	6.2		6.6	5.8	-0.040		0.000	0.000
23:00:00	11.8		11.1	12.8	7.2		8.7	7.5	-0.044		0.000	0.000
23:15:00	12.1		13.7	13.9	7.6		9.6	10.0	-0.048		0.000	0.000
23:30:00	11.0		13.9	12.9	6.8		8.7	10.2	-0.050		0.000	0.000
23:45:00	10.5		13.3	11.9	6.4		7.8	9.7	-0.051		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)
16:15:00	259.0				47.0							