



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-11-23

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1000 Max : 22.10	2943 ENE	2693 None	2996 W	2997 NW	Min : 61.70 Max : 92.66	Min : 45.20 Max : 92.20	Min : 29.98 Max : 30.16

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)
2943	23.0	213.1	11.5	31.8	-0.043	0.038
2996	18.9	76.8	11.7	23.1	0.000	0.000
2997	17.5	52.9	11.2	17.4	0.001	0.022



Figure 1 : Monitoring Locations

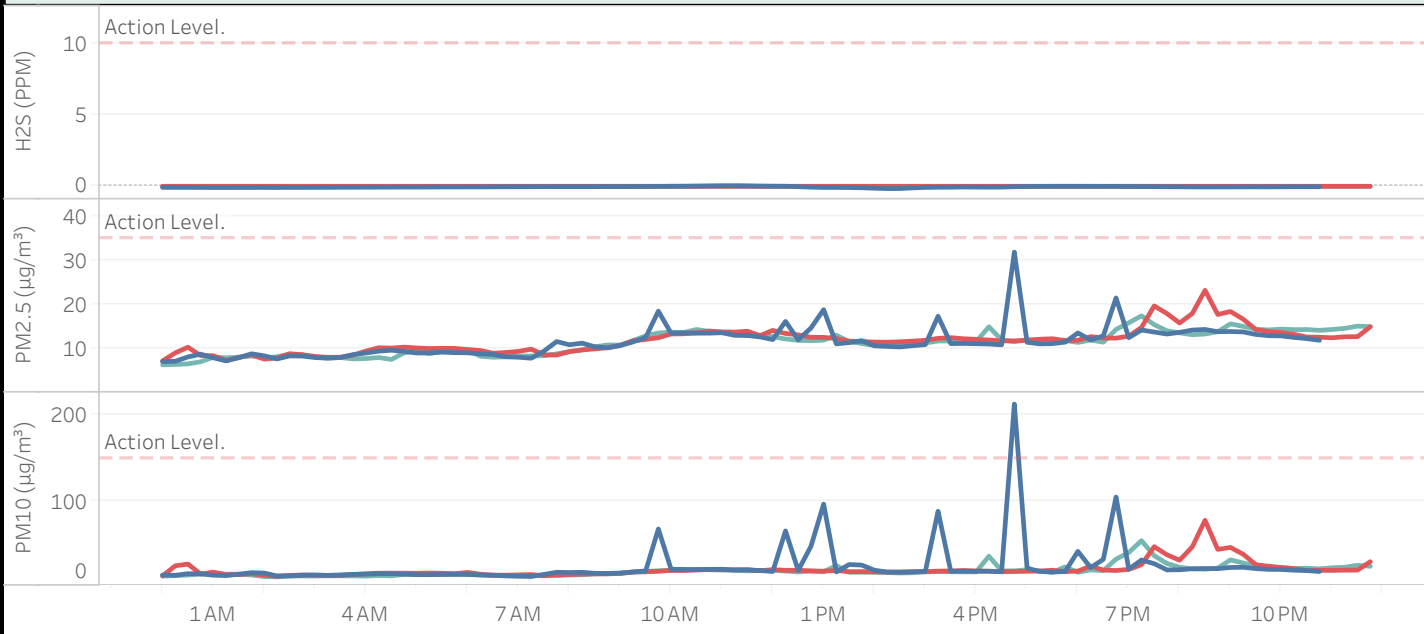


Figure 2 : 15 Minutes Average Concentrations

2943

2996

2997



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Wind Rose Chart 2943

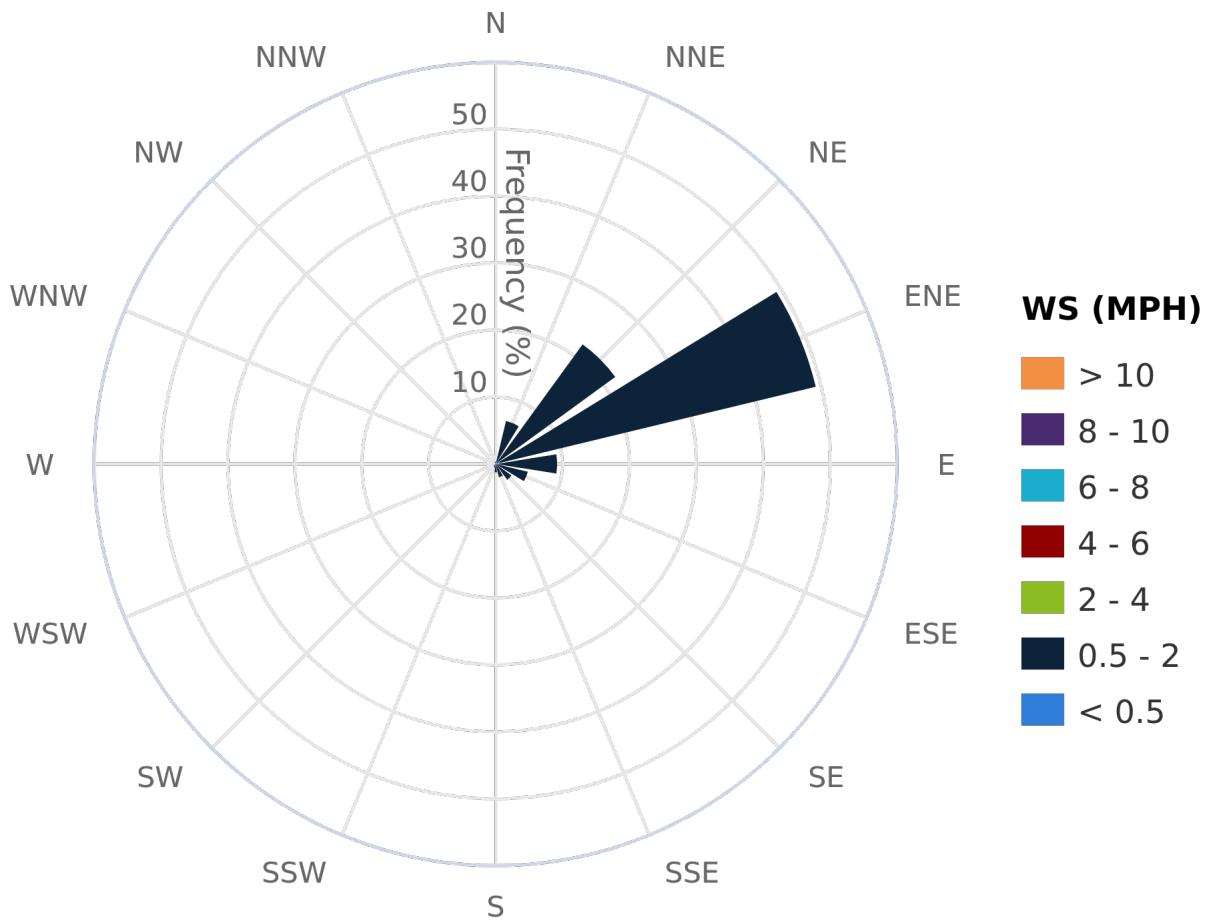


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

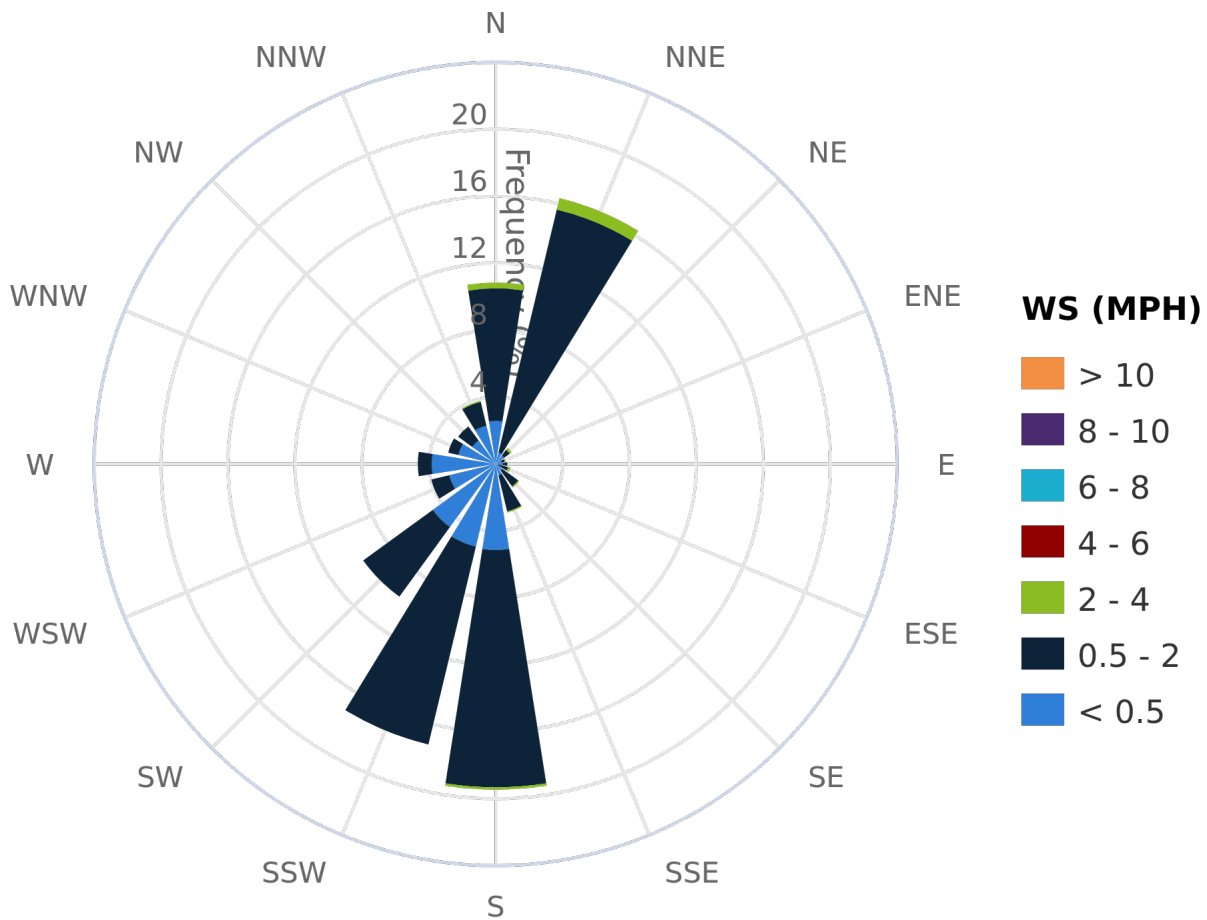


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

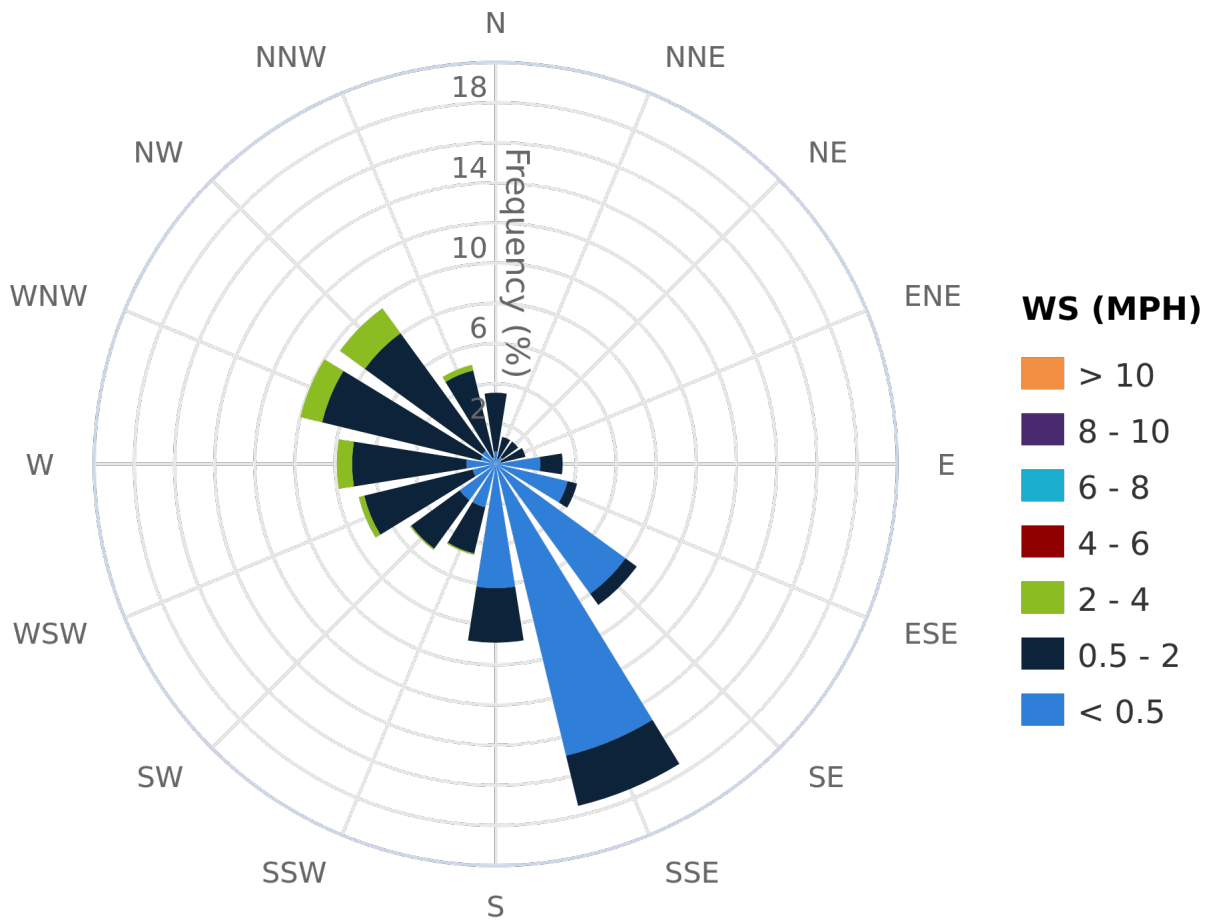


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

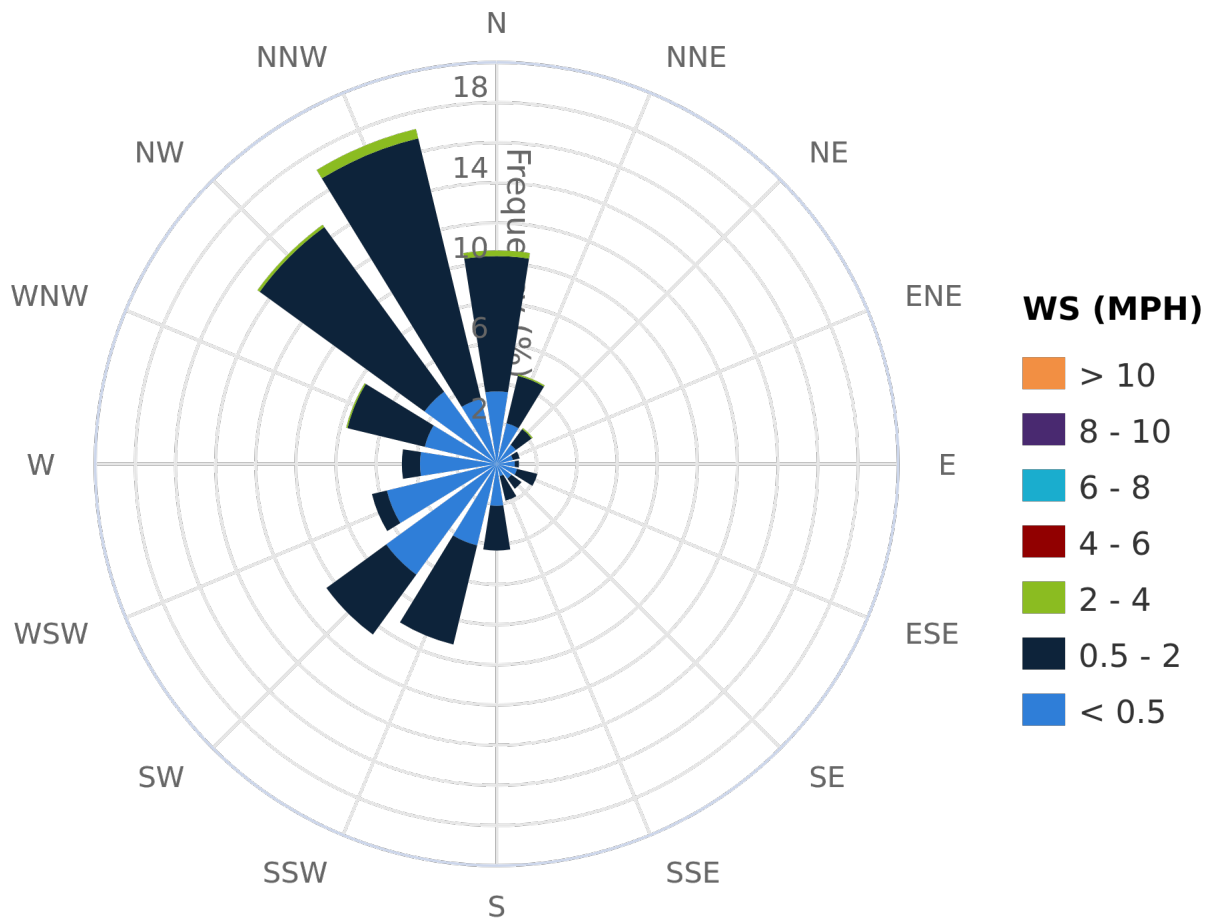


Figure 3 : Wind Rose Chart (WS in MPH)



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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	12.7		11.4	11.5	7.0		7.2	6.3	-0.077		0.000	0.000
00:15:00	12.3		11.9	23.4	7.1		9.0	6.4	-0.076		0.000	0.000
00:30:00	14.2		12.6	25.4	8.1		10.3	6.5	-0.077		0.000	0.000
00:45:00	13.9		13.8	13.8	8.7		8.4	7.0	-0.082		0.000	0.000
01:00:00	12.4		15.0	16.0	7.9		8.3	8.0	-0.085		0.000	0.000
01:15:00	12.0		13.6	12.9	7.2		7.3	7.9	-0.087		0.000	0.000
01:30:00	13.6		13.6	13.1	7.9		7.9	8.0	-0.084		0.000	0.000
01:45:00	15.4		12.6	14.2	8.8		8.6	8.3	-0.084		0.000	0.000
02:00:00	14.9		10.7	12.4	8.3		7.6	7.9	-0.083		0.000	0.000
02:15:00	11.5		10.4	11.2	7.6		7.8	8.1	-0.085		0.000	0.000
02:30:00	11.7		11.3	12.2	8.3		8.8	8.7	-0.081		0.000	0.000
02:45:00	12.4		11.5	12.7	8.3		8.6	8.5	-0.079		0.000	0.000
03:00:00	12.7		11.4	12.3	7.9		8.2	8.0	-0.076		0.000	0.000
03:15:00	12.2		11.7	12.2	7.8		8.0	7.8	-0.073		0.000	0.000
03:30:00	12.7		11.6	12.2	7.9		8.0	7.9	-0.068		0.000	0.000
03:45:00	13.4		11.5	13.3	8.6		8.5	7.6	-0.066		0.000	0.000
04:00:00	13.6		11.3	14.1	9.0		9.4	7.7	-0.062		0.000	0.000
04:15:00	14.1		12.0	14.8	9.4		10.1	7.9	-0.060		0.000	0.000
04:30:00	14.3		11.6	14.8	9.6		10.1	7.5	-0.059		0.000	0.000
04:45:00	13.6		13.2	14.8	9.3		10.3	9.0	-0.053		0.000	0.000
05:00:00	13.0		14.0	14.6	8.9		10.1	9.4	-0.053		0.000	0.000
05:15:00	13.1		13.2	14.9	9.0		10.0	8.8	-0.051		0.000	0.000
05:30:00	13.2		13.3	14.7	9.1		10.0	9.4	-0.046		0.000	0.000
05:45:00	13.3		13.5	14.3	9.0		10.0	9.6	-0.046		0.000	0.000
06:00:00	13.3		13.6	15.7	9.0		9.7	9.6	-0.043		0.000	0.000
06:15:00	12.7		12.5	13.5	8.7		9.5	8.2	-0.043		0.000	0.000
06:30:00	12.5		11.9	12.4	8.6		8.9	8.0	-0.039		0.000	0.000
06:45:00	11.7		11.7	12.4	8.1		9.1	8.1	-0.034		0.000	0.000
07:00:00	11.2		11.8	12.8	8.0		9.3	8.3	-0.034		0.000	0.000
07:15:00	10.9		12.2	13.1	7.8		9.8	8.3	-0.030		0.000	0.000
07:30:00	13.3		12.4	11.7	9.4		8.6	8.3	-0.025		0.000	0.000
07:45:00	15.8		12.1	12.7	11.5		8.5	8.8	-0.027		0.000	0.000
08:00:00	15.5		12.7	13.1	10.8		9.3	9.3	-0.028		0.000	0.000
08:15:00	15.8		12.9	13.6	11.2		9.6	9.7	-0.029		0.000	0.000
08:30:00	14.6		14.0	13.9	10.4		9.9	10.4	-0.027		0.000	0.000
08:45:00	14.5		14.1	14.0	10.1		10.2	10.8	-0.022		0.000	0.000
09:00:00	15.0		14.3	14.6	10.7		10.6	10.8	-0.023		0.000	0.000
09:15:00	16.2		16.2	16.0	11.5		11.7	11.7	-0.017		0.000	0.000
09:30:00	17.4		16.9	16.3	12.5		12.0	12.8	-0.011		0.000	0.000
09:45:00	66.6		17.6	17.0	18.4		12.4	13.5	-0.006		0.000	0.000
10:00:00	19.4		17.9	18.1	13.4		13.3	13.7	0.004		0.000	0.000
10:15:00	19.2		18.1	17.9	13.5		13.3	13.6	0.007		0.000	0.001
10:30:00	19.0		19.1	18.5	13.4		13.5	14.3	0.015		0.000	0.007
10:45:00	19.2		18.8	19.2	13.4		13.9	13.8	0.027		0.000	0.010
11:00:00	19.4		18.4	18.9	13.5		13.7	13.6	0.036		0.000	0.016
11:15:00	18.4		18.1	18.9	12.9		13.7	13.3	0.038		0.000	0.022
11:30:00	18.7		17.5	18.9	12.9		13.9	12.9	0.028		0.000	0.019
11:45:00	17.9		17.8	17.6	12.6		12.9	12.9	0.015		0.000	0.006



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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	16.7		18.2	19.0	12.0		14.1	12.7	0.008		0.000	0.001
12:15:00	64.4		17.2	18.1	16.1		13.4	12.1	0.003		0.000	0.000
12:30:00	18.0		16.2	18.2	11.9		13.1	11.8	-0.026		0.000	0.000
12:45:00	46.2		17.2	17.5	14.6		12.5	11.7	-0.060		0.000	0.000
13:00:00	95.8		16.4	17.1	18.8		12.5	11.9	-0.078		0.000	0.000
13:15:00	16.2		23.7	17.9	11.0		12.2	13.0	-0.081		0.000	0.000
13:30:00	24.9		16.0	16.4	11.3		11.6	11.5	-0.087		0.000	0.000
13:45:00	24.2		15.8	16.6	11.7		11.6	11.1	-0.102		0.000	0.000
14:00:00	18.2		15.9	16.3	10.6		11.4	10.7	-0.133		0.000	0.000
14:15:00	16.1		15.5	16.1	10.4		11.4	10.7	-0.160		0.000	0.000
14:30:00	15.8		15.0	16.2	10.3		11.5	10.7	-0.153		0.000	0.000
14:45:00	16.2		15.2	16.5	10.6		11.6	10.8	-0.111		0.000	0.000
15:00:00	17.0		16.3	16.6	10.9		11.8	11.2	-0.078		0.000	0.000
15:15:00	87.4		16.7	17.2	17.3		12.3	11.7	-0.067		0.000	0.000
15:30:00	17.0		16.5	17.4	11.1		12.4	11.7	-0.062		0.000	0.000
15:45:00	17.0		16.3	18.0	11.1		12.2	11.6	-0.048		0.000	0.000
16:00:00	17.0		16.4	17.4	11.1		12.0	11.5	-0.055		0.000	0.000
16:15:00	17.1		34.7	17.1	11.0		11.9	14.9	-0.061		0.000	0.000
16:30:00	16.3		17.5	16.6	10.8		11.7	11.9	-0.055		0.000	0.000
16:45:00	213.1		17.5	16.7	31.8		11.7	11.5	-0.030		0.000	0.000
17:00:00	20.7		18.8	17.0	11.4		11.9	11.9	-0.014		0.000	0.000
17:15:00	16.7		17.4	17.3	11.0		12.1	11.8	-0.005		0.000	0.000
17:30:00	16.1		15.7	18.2	11.1		12.2	11.4	0.000		0.000	0.000
17:45:00	16.7		22.2	16.6	11.4		11.8	11.8	0.001		0.000	0.001
18:00:00	40.4		15.8	17.2	13.5		11.8	11.3	0.000		0.000	0.001
18:15:00	21.3		18.6	23.1	11.9		12.7	11.9	-0.001		0.000	0.000
18:30:00	31.0		17.8	18.4	12.8		12.3	11.4	-0.004		0.000	0.000
18:45:00	104.1		31.2	17.9	21.4		12.3	14.3	-0.007		0.000	0.000
19:00:00	19.5		39.0	19.2	12.4		12.8	15.8	-0.012		0.000	0.000
19:15:00	30.2		52.9	24.7	14.2		14.7	17.4	-0.021		0.000	0.000
19:30:00	25.9		35.3	45.9	13.7		19.6	15.4	-0.027		0.000	0.000
19:45:00	18.6		26.2	36.4	13.2		17.9	14.0	-0.031		0.000	0.000
20:00:00	18.8		21.7	30.0	13.6		15.7	13.5	-0.036		0.000	0.000
20:15:00	19.9		19.9	45.7	14.1		17.9	13.1	-0.043		0.000	0.000
20:30:00	20.2		19.4	76.8	14.3		23.1	13.2	-0.047		0.000	0.000
20:45:00	20.1		20.7	42.7	13.8		17.7	13.8	-0.044		0.000	0.000
21:00:00	21.5		30.4	45.0	13.8		18.3	15.5	-0.044		0.000	0.000
21:15:00	21.7		26.7	37.0	13.7		16.6	15.0	-0.041		0.000	0.000
21:30:00	20.1		23.2	24.7	13.1		14.2	14.3	-0.039		0.000	0.000
21:45:00	19.2		22.2	22.9	12.9		13.8	14.2	-0.041		0.000	0.000
22:00:00	19.1		21.4	21.4	12.8		13.6	14.4	-0.037		0.000	0.000
22:15:00	18.2		20.3	20.1	12.5		13.2	14.2	-0.031		0.000	0.000
22:30:00	17.9		20.7	17.9	12.2		12.6	14.3	-0.033		0.000	0.000
22:45:00	16.7		19.9	18.1	11.8		12.5	14.1	-0.032		0.000	0.000
23:00:00			21.2	18.0			12.4	14.3			0.000	0.000
23:15:00			21.7	18.3			12.6	14.5			0.000	0.000
23:30:00			24.1	18.4			12.6	15.0			0.000	0.000
23:45:00			22.9	28.2			14.9	14.9			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)
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16:45:00 213.1