



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-11-20

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.08000 Max : 13.09	2943 ENE	2693 SW	2996 S	2997 NNW	Min : 51.44 Max : 97.34	Min : 37.50 Max : 89.00	Min : 30.02 Max : 30.27

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	16.8	54.4	12.0	17.4	0.000	0.001
2943	27.4	160.0	10.8	27.8	-0.103	0.030
2996	39.3	429.5	13.3	80.5	0.002	0.023
2997	26.1	201.2	11.1	49.4	0.001	0.018



Figure 1 : Monitoring Locations

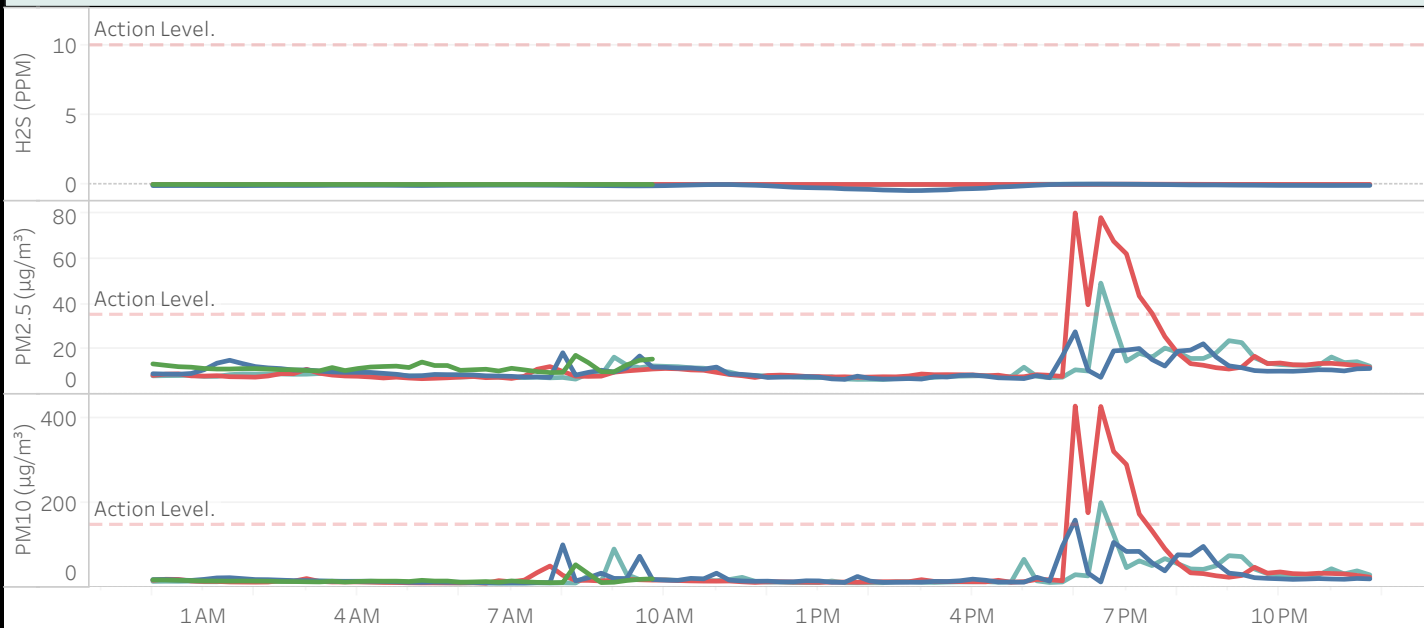


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

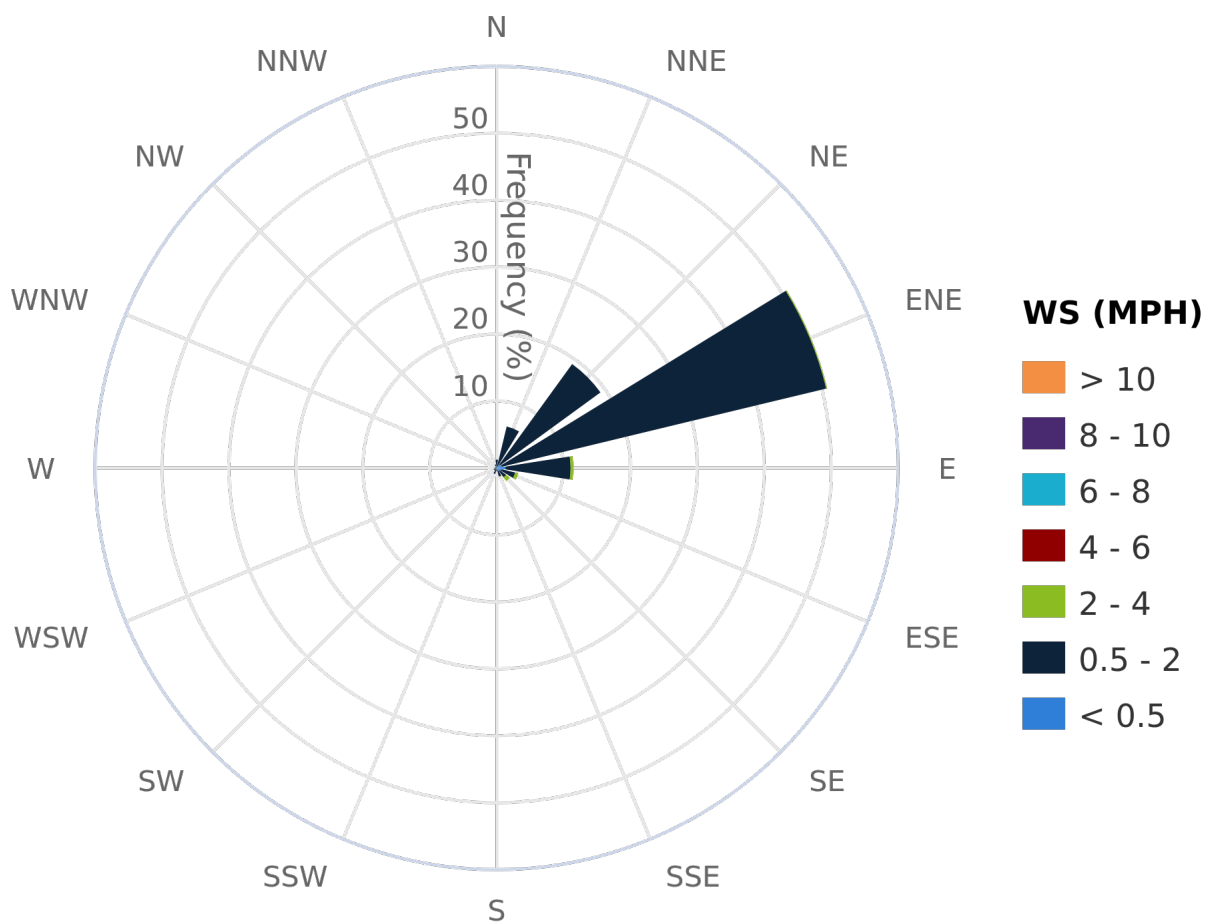


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

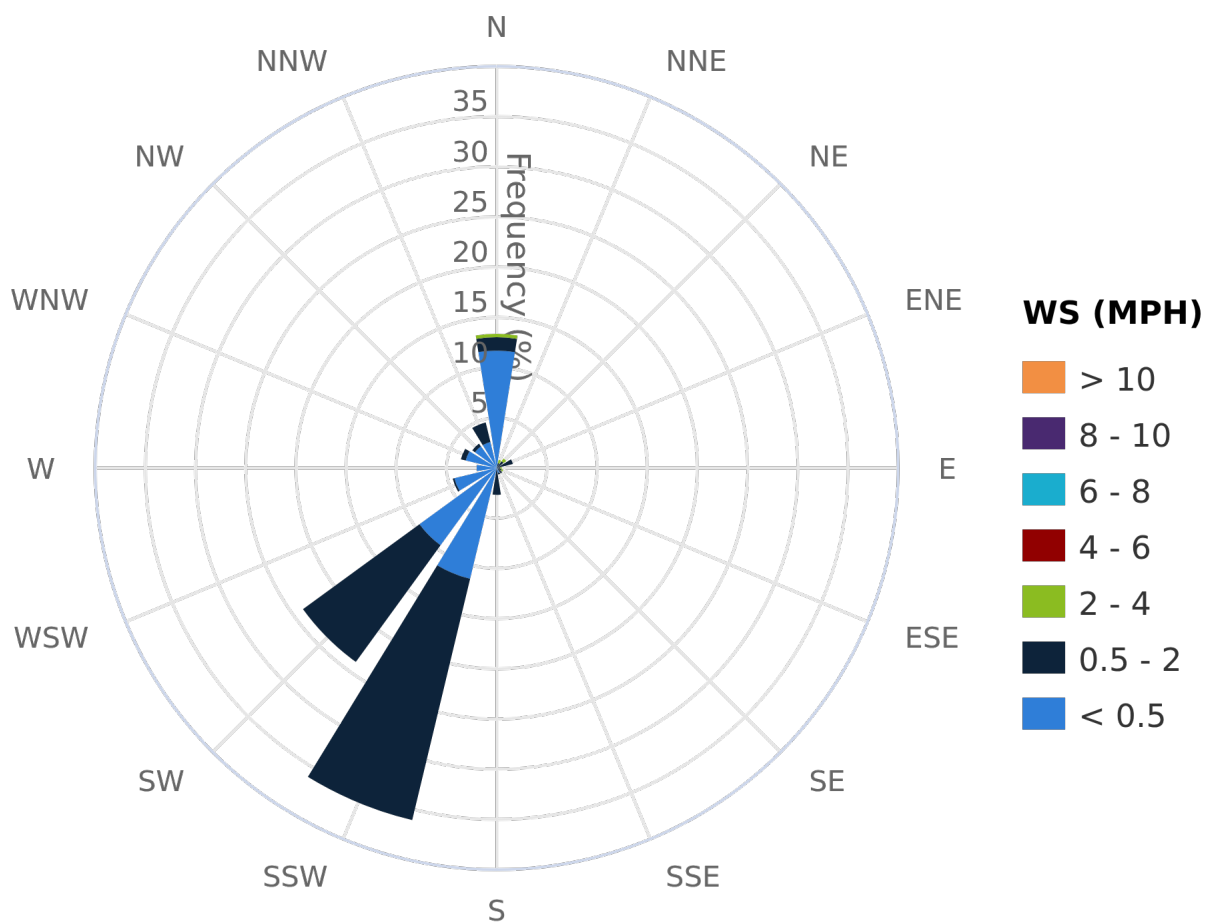


Figure 3 : Wind Rose Chart (WS in MPH)



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Florence C&D Landfill – Air Monitoring

Date : 2025-11-20

Wind Rose Chart 2996

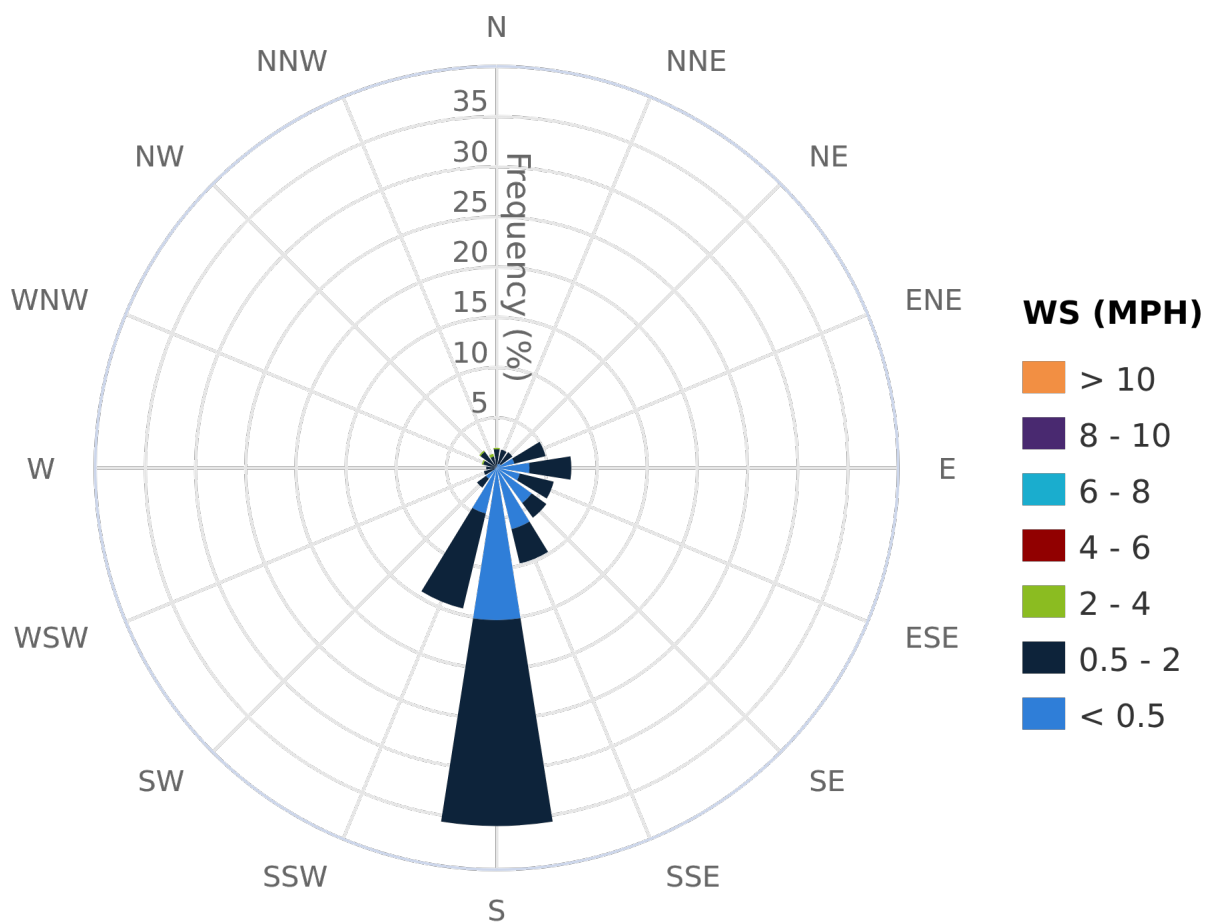


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

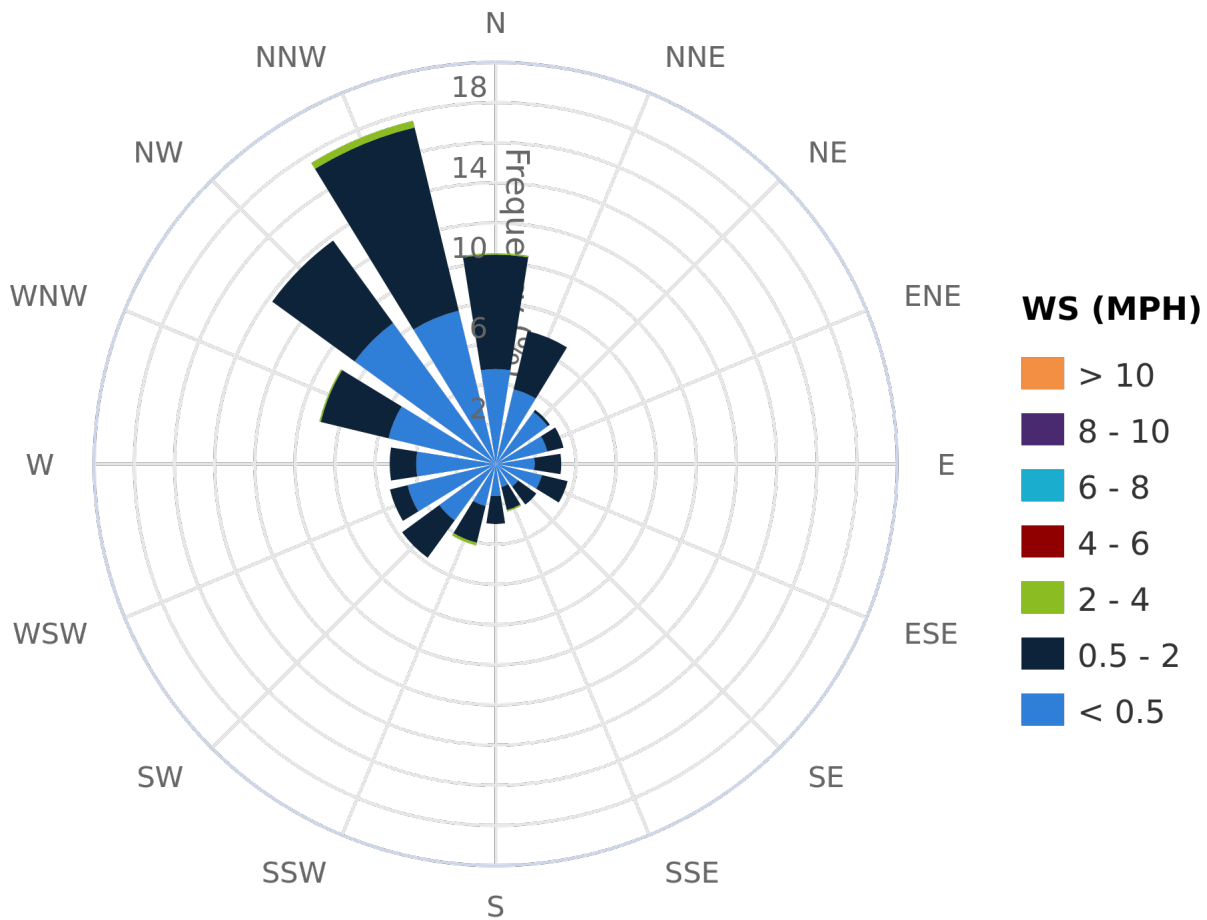


Figure 3 : Wind Rose Chart (WS in MPH)



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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	19.2	18.8	15.1	17.9	9.3	13.6	8.5	8.3	-0.083	0.000	0.005	0.000
00:15:00	19.5	18.4	15.4	20.1	9.1	13.0	9.1	8.4	-0.081	0.000	0.005	0.000
00:30:00	18.2	17.7	15.2	19.8	9.0	12.4	9.2	8.5	-0.079	0.000	0.002	0.000
00:45:00	17.4	17.0	15.6	16.0	9.4	12.2	8.3	8.5	-0.078	0.000	0.000	0.000
01:00:00	19.9	16.1	14.3	15.1	11.0	11.6	8.2	8.1	-0.081	0.000	0.000	0.000
01:15:00	23.3	16.0	14.2	15.0	13.9	11.3	8.4	8.1	-0.082	0.000	0.000	0.000
01:30:00	23.8	15.7	15.7	13.7	15.2	11.3	7.9	8.9	-0.084	0.000	0.000	0.000
01:45:00	21.6	16.0	16.2	13.5	13.8	11.5	7.9	9.2	-0.083	0.000	0.000	0.000
02:00:00	19.4	15.8	16.2	13.2	12.4	11.5	7.8	9.1	-0.078	0.000	0.000	0.000
02:15:00	19.1	15.5	16.0	13.6	11.8	11.3	8.3	9.2	-0.075	0.001	0.000	0.000
02:30:00	18.0	14.7	15.8	16.9	11.5	11.0	9.3	9.2	-0.073	0.000	0.000	0.000
02:45:00	16.9	14.7	15.2	15.7	10.9	11.0	9.3	9.0	-0.073	0.000	0.000	0.000
03:00:00	16.9	14.2	15.2	21.7	11.0	10.7	11.2	9.1	-0.072	0.000	0.000	0.000
03:15:00	16.1	13.8	15.9	15.1	10.5	10.5	9.5	9.3	-0.069	0.000	0.000	0.000
03:30:00	15.6	15.4	15.5	13.7	10.1	12.0	8.7	9.4	-0.062	0.001	0.000	0.000
03:45:00	15.3	13.5	14.9	13.8	9.9	10.7	8.3	9.4	-0.060	0.000	0.000	0.000
04:00:00	15.4	15.0	14.4	13.8	9.9	11.6	8.1	9.2	-0.059	-0.001	0.000	0.000
04:15:00	15.5	15.8	13.7	13.4	9.8	12.2	7.8	9.0	-0.060	0.000	0.000	0.000
04:30:00	14.9	15.6	13.5	12.6	9.4	12.5	7.4	9.0	-0.059	0.000	0.000	0.000
04:45:00	14.2	15.7	12.8	12.5	9.0	12.6	7.7	8.8	-0.064	0.000	0.000	0.000
05:00:00	13.0	14.8	12.7	11.7	8.3	12.0	7.4	8.3	-0.072	0.000	0.000	0.000
05:15:00	12.9	17.6	12.5	11.5	8.4	14.4	7.1	8.2	-0.076	0.000	0.000	0.000
05:30:00	13.5	15.9	12.0	11.6	8.9	12.9	7.2	8.0	-0.068	0.000	0.000	0.000
05:45:00	13.1	15.9	11.7	11.5	8.9	12.9	7.5	7.9	-0.062	0.000	0.000	0.000
06:00:00	13.1	13.2	11.4	11.6	8.8	10.8	7.8	7.8	-0.059	0.000	0.000	0.000
06:15:00	12.4	13.8	11.6	11.8	8.7	11.0	8.0	8.0	-0.056	0.001	0.000	0.000
06:30:00	11.7	14.7	11.4	10.9	8.3	11.3	7.5	8.0	-0.051	0.001	0.000	0.000
06:45:00	11.5	13.0	10.9	16.9	8.3	10.5	7.7	7.7	-0.049	0.000	0.000	0.000
07:00:00	11.7	16.2	10.9	14.1	8.1	11.7	7.2	7.5	-0.049	0.000	0.000	0.000
07:15:00	11.5	14.2	11.0	18.1	7.8	11.0	8.2	7.5	-0.048	0.000	0.000	0.000
07:30:00	12.1	12.8	11.6	35.9	7.8	10.2	11.3	7.7	-0.051	0.001	0.000	0.000
07:45:00	12.1	12.0	11.1	51.4	7.6	9.8	12.4	7.4	-0.053	0.001	0.000	0.000
08:00:00	101.5	12.4	11.7	29.4	18.6	9.8	10.3	7.6	-0.060	0.000	0.000	0.000
08:15:00	16.4	54.4	11.3	17.4	8.6	17.4	8.2	6.9	-0.068	0.000	0.000	0.000
08:30:00	23.7	33.1	28.6	17.5	9.9	14.2	8.1	9.3	-0.076	0.001	0.000	0.000
08:45:00	34.5	12.2	14.6	16.0	10.8	10.2	8.2	8.6	-0.082	0.000	0.000	0.000
09:00:00	22.1	13.1	91.6	18.6	10.0	10.1	9.9	16.6	-0.090	0.001	0.000	0.000
09:15:00	21.9	17.3	31.4	20.0	11.9	13.2	10.5	13.1	-0.100	0.001	0.000	0.000
09:30:00	74.5	19.9	19.4	18.8	17.1	15.2	10.9	11.9	-0.102	0.001	0.000	0.000
09:45:00	19.7	21.1	19.1	18.1	12.2	15.7	11.4	12.7	-0.097	0.001	0.000	0.000
10:00:00	18.0		19.2	18.2	12.1		11.6	12.5	-0.084		0.000	0.000
10:15:00	17.7		17.2	17.0	11.8		11.4	12.4	-0.063		0.000	0.000
10:30:00	22.2		17.3	16.2	11.8		11.0	11.9	-0.041		0.000	0.000
10:45:00	21.1		17.3	15.8	11.3		10.8	11.7	-0.018		0.000	0.000
11:00:00	34.5		16.8	15.7	12.2		9.9	10.5	-0.004		0.000	0.000
11:15:00	18.1		19.5	16.0	9.2		8.9	10.0	-0.005		0.000	0.002
11:30:00	16.1		24.7	14.1	9.0		8.4	8.7	-0.034		0.000	0.000
11:45:00	15.3		15.4	12.6	8.5		7.6	8.5	-0.057		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	15.6		13.3	14.0	7.6		8.5	8.3	-0.093		0.000	0.000
12:15:00	14.0		13.4	14.1	7.8		8.7	8.3	-0.144		0.000	0.000
12:30:00	14.2		12.3	13.5	7.8		8.5	7.9	-0.199		0.000	0.000
12:45:00	16.5		12.2	13.2	8.0		8.1	7.5	-0.226		0.000	0.000
13:00:00	16.3		12.1	13.0	7.8		8.0	7.5	-0.245		0.000	0.000
13:15:00	12.9		16.0	13.3	7.0		7.8	7.9	-0.261		0.000	0.000
13:30:00	12.8		11.9	13.6	6.8		7.9	6.9	-0.313		0.000	0.000
13:45:00	26.7		11.7	13.0	8.2		7.7	6.8	-0.334		0.000	0.000
14:00:00	15.7		11.9	13.7	7.2		7.8	6.8	-0.355		0.000	0.000
14:15:00	12.8		11.9	14.3	6.9		7.9	6.7	-0.397		0.000	0.000
14:30:00	12.8		14.1	14.4	6.9		7.9	7.1	-0.417		0.000	0.000
14:45:00	13.0		14.5	14.2	7.1		8.2	7.2	-0.440		0.000	0.000
15:00:00	13.2		13.2	19.1	6.9		9.1	7.3	-0.434		0.000	0.000
15:15:00	15.1		12.5	15.0	7.9		8.8	7.6	-0.408		0.000	0.000
15:30:00	14.8		13.4	14.5	7.8		8.9	8.2	-0.385		0.000	0.000
15:45:00	16.6		13.9	14.5	8.5		8.8	8.2	-0.321		0.000	0.000
16:00:00	20.4		13.9	14.3	8.6		8.8	8.3	-0.300		0.000	0.000
16:15:00	17.8		14.4	13.9	8.2		8.3	8.4	-0.267		0.000	0.000
16:30:00	13.6		13.1	17.7	7.5		8.6	8.0	-0.183		0.000	0.000
16:45:00	13.4		13.5	13.0	7.3		7.7	8.0	-0.151		0.000	0.001
17:00:00	13.1		67.3	14.5	7.1		7.9	12.2	-0.102		0.000	0.009
17:15:00	24.9		16.4	19.7	8.5		8.8	8.1	-0.052		0.000	0.017
17:30:00	15.9		12.4	18.9	7.5		8.6	7.5	-0.010		0.000	0.018
17:45:00	98.1		13.6	16.6	17.1		8.1	7.7	0.012		0.000	0.018
18:00:00	160.0		30.9	429.5	27.8		80.5	11.0	0.025		0.000	0.015
18:15:00	34.7		28.1	177.3	10.8		39.8	10.5	0.029		0.009	0.013
18:30:00	13.7		201.2	428.6	7.7		78.4	49.4	0.030		0.015	0.008
18:45:00	107.3		125.7	322.2	19.4		68.0	31.8	0.026		0.018	0.006
19:00:00	85.7		47.5	291.4	19.7		62.4	14.8	0.021		0.021	0.001
19:15:00	86.0		63.7	174.3	20.4		43.7	18.3	0.012		0.023	0.000
19:30:00	59.0		52.4	134.6	15.5		36.0	16.6	0.000		0.020	0.000
19:45:00	40.0		69.0	92.4	12.7		25.7	20.6	-0.009		0.017	0.000
20:00:00	78.0		57.0	58.2	19.3		18.5	18.8	-0.022		0.015	0.000
20:15:00	76.8		44.5	35.4	19.7		13.7	16.0	-0.032		0.014	0.000
20:30:00	97.8		43.6	33.4	22.5		13.0	16.0	-0.035		0.011	0.000
20:45:00	58.5		51.9	28.3	16.7		11.9	18.5	-0.035		0.009	0.000
21:00:00	34.6		75.9	24.9	12.8		11.3	23.9	-0.044		0.006	0.000
21:15:00	31.3		73.7	29.0	11.9		12.2	23.1	-0.050		0.004	0.000
21:30:00	23.8		44.3	48.5	10.7		17.0	16.3	-0.053		0.005	0.000
21:45:00	22.2		33.4	34.5	10.4		13.7	13.9	-0.061		0.003	0.000
22:00:00	21.1		30.0	37.4	10.4		14.0	13.3	-0.068		0.001	0.000
22:15:00	19.8		30.8	33.4	10.4		13.2	13.1	-0.069		0.001	0.000
22:30:00	20.6		31.7	32.5	10.6		13.1	13.0	-0.070		0.000	0.000
22:45:00	21.7		30.1	34.4	11.0		13.8	12.9	-0.072		0.000	0.000
23:00:00	20.8		45.0	33.8	10.9		13.9	16.7	-0.074		0.000	0.000
23:15:00	20.1		32.8	32.7	10.5		13.4	14.2	-0.072		0.000	0.000
23:30:00	22.0		40.0	29.1	11.4		12.9	14.6	-0.070		0.000	0.000
23:45:00	21.0		30.4	25.1	11.6		12.0	12.6	-0.068		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)
18:00:00	160.0		429.5				80.5					
18:15:00			177.3				39.8					
18:30:00			428.6	201.2			78.4	49.4				
18:45:00			322.2				68.0					
19:00:00			291.4				62.4					
19:15:00			174.3				43.7					
19:30:00							36.0					