



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-08-30

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1570 Max : 12.21	2943 ESE	2995 NNE	2996 W	2997 NNW	Min : 73.58 Max : 93.38	Min : 58.20 Max : 94.50	Min : 29.86 Max : 30.04

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	26.0	76.3	11.0	43.2	0.009	0.100
2995	19.8	67.3	9.5	45.3	0.014	0.081
2996	22.5	79.7	12.1	53.9	0.004	0.066
2997	29.0	106.6	13.0	76.9	0.010	0.049

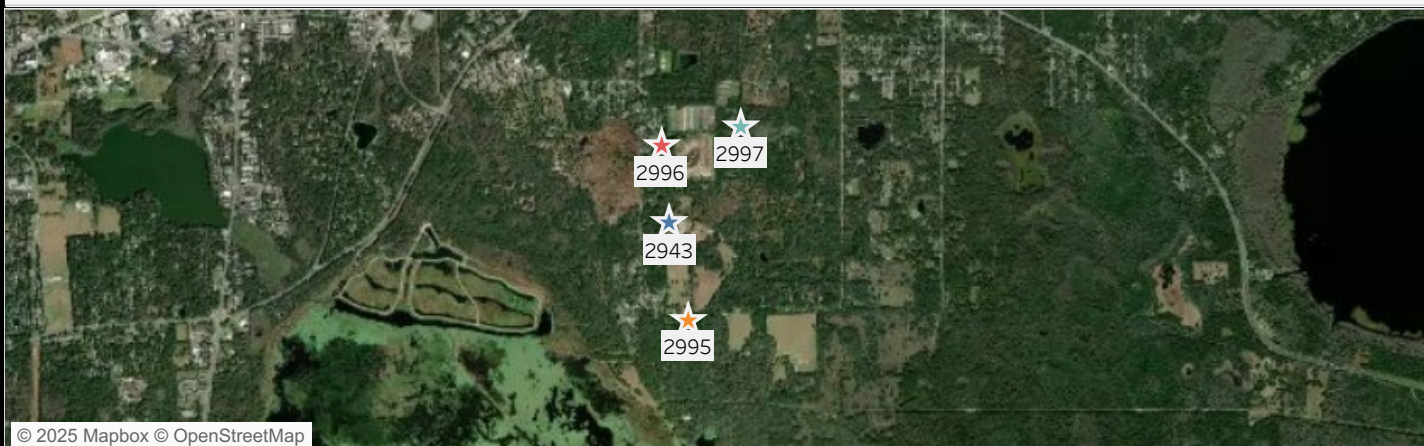


Figure 1 : Monitoring Locations

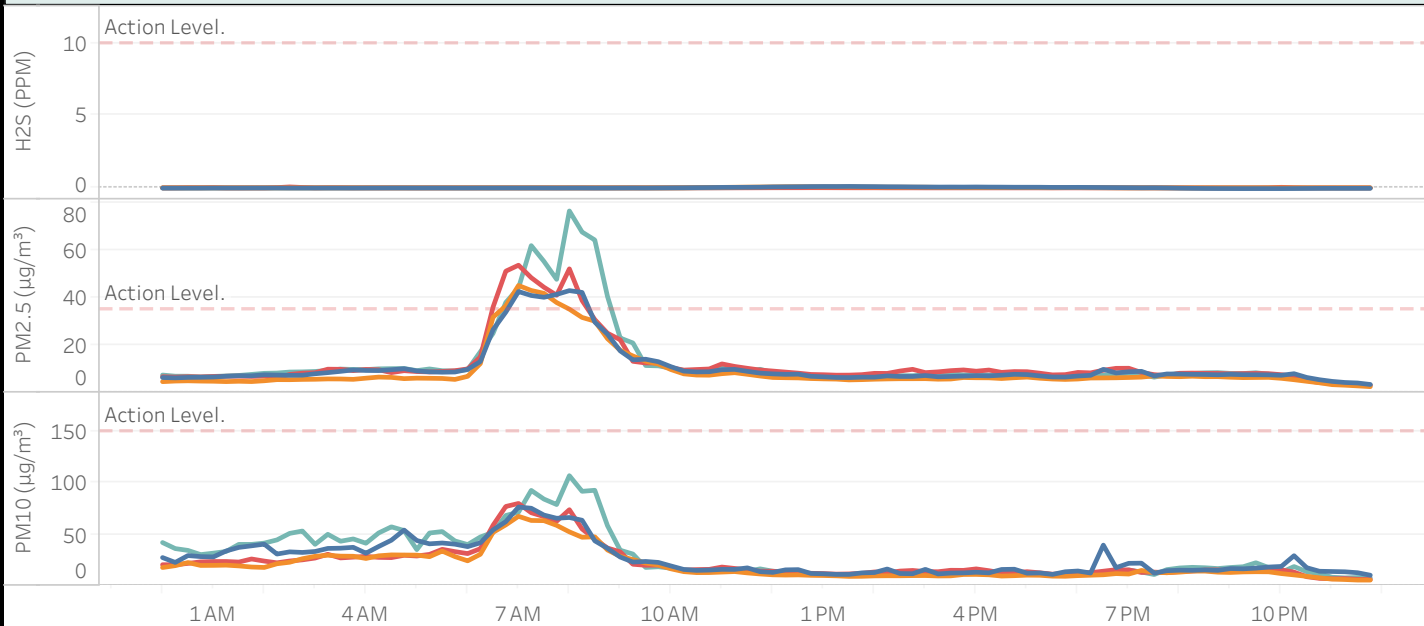


Figure 2 : 15 Minutes Average Concentrations

2943 2995 2996 2997



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Wind Rose Chart 2943

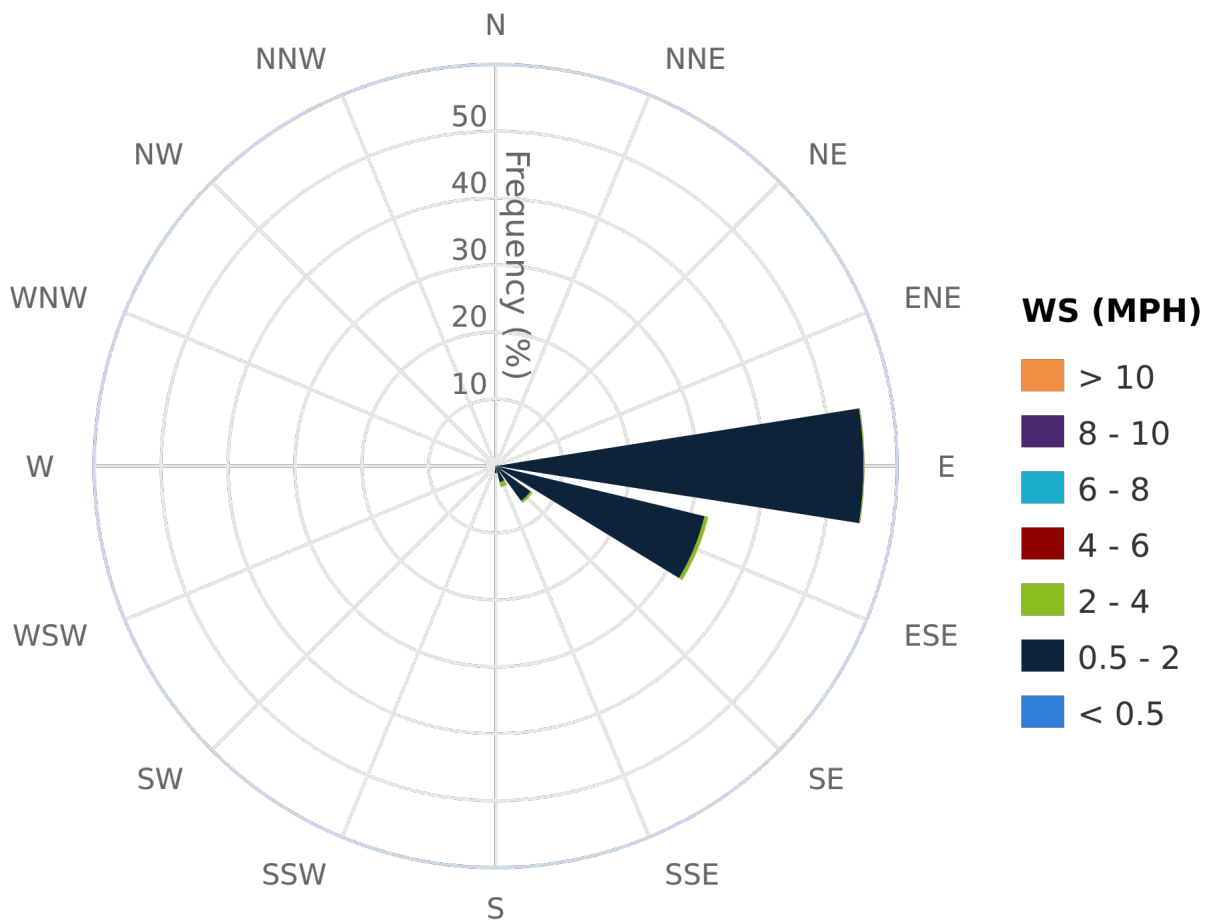


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2995

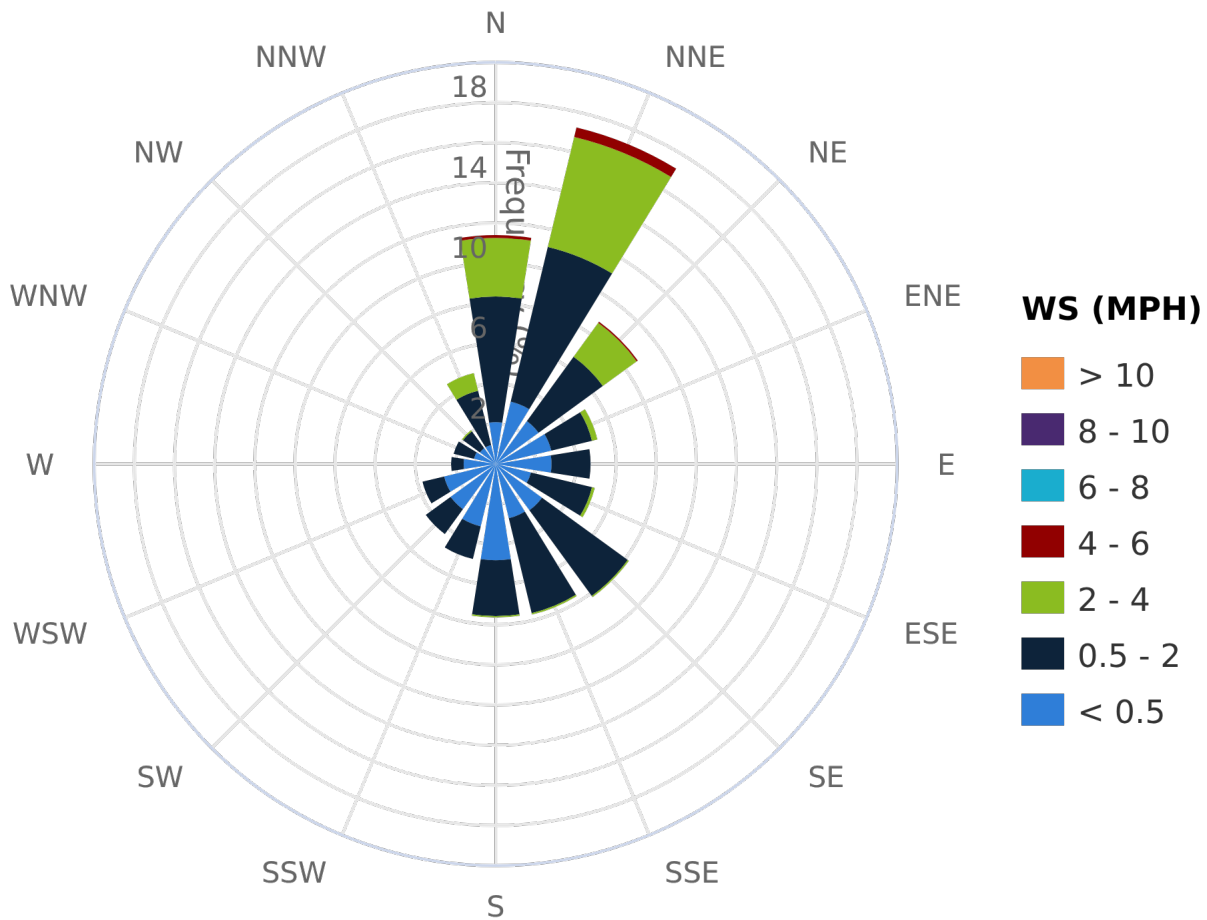


Figure 3 : Wind Rose Chart (WS in MPH)



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Date : 2025-08-30

Wind Rose Chart 2996

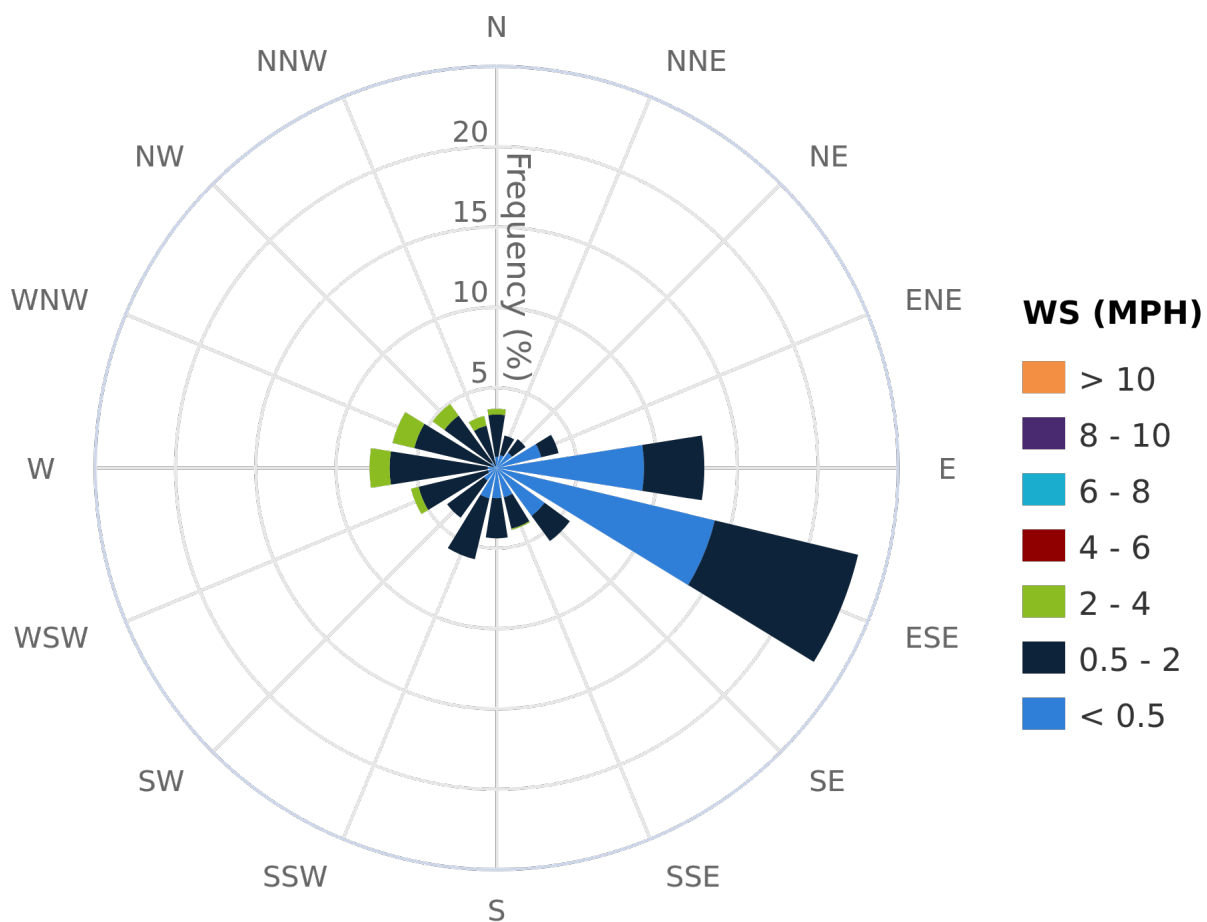


Figure 3 : Wind Rose Chart (WS in MPH)



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Date : 2025-08-30

Wind Rose Chart 2997

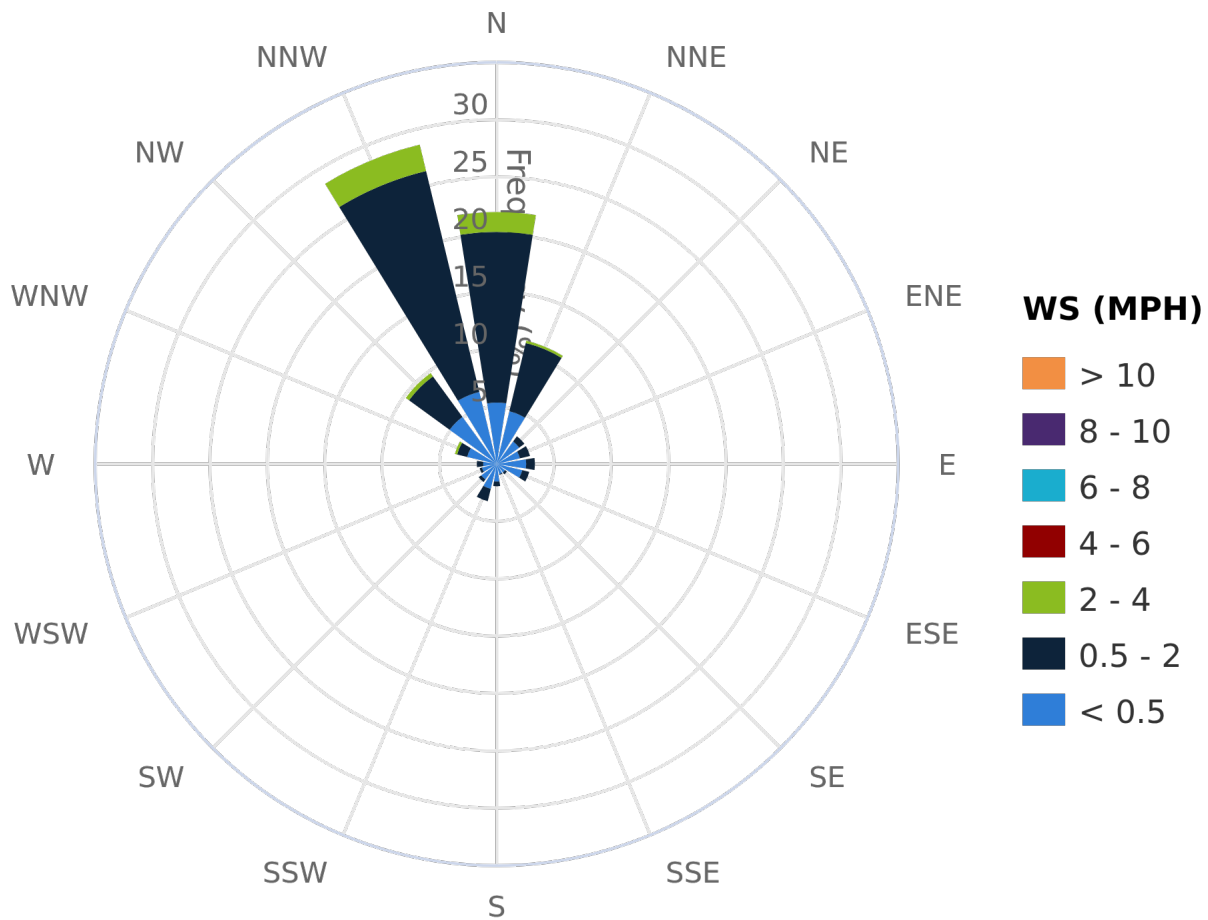


Figure 3 : Wind Rose Chart (WS in MPH)



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 2995 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2995 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2995 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00	27.3	17.7	41.9	20.4	6.4	4.6	6.7	7.4	-0.018	0.000	0.000	0.000
00:15:00	22.6	19.5	36.0	20.4	6.3	4.9	6.6	7.0	-0.018	0.000	0.003	0.000
00:30:00	29.2	22.5	34.2	21.7	6.4	5.0	6.7	7.0	-0.019	0.000	0.013	0.000
00:45:00	28.2	19.7	30.2	23.2	6.5	4.9	6.6	6.7	-0.017	0.000	0.010	0.000
01:00:00	27.9	19.8	31.6	23.5	6.6	4.8	6.8	6.9	-0.013	0.000	0.018	0.000
01:15:00	33.7	20.0	33.2	23.5	6.9	4.7	6.9	7.1	-0.012	0.000	0.000	0.000
01:30:00	37.1	19.2	40.1	23.0	7.2	4.8	7.0	7.3	-0.012	0.000	0.000	0.000
01:45:00	38.7	18.2	40.1	25.9	7.1	4.7	6.9	7.7	-0.010	0.000	0.000	0.000
02:00:00	40.3	17.7	41.3	23.9	7.5	5.0	7.0	8.2	-0.009	0.000	0.000	0.000
02:15:00	30.7	21.3	44.4	22.2	7.4	5.5	6.2	8.3	-0.010	0.000	0.020	0.000
02:30:00	32.8	22.8	50.7	24.0	7.3	5.5	7.7	8.7	-0.014	0.000	0.066	0.000
02:45:00	32.3	26.2	53.0	25.1	7.4	5.6	8.2	8.8	-0.014	0.000	0.029	0.000
03:00:00	33.2	28.5	40.1	26.8	8.0	5.7	8.4	9.0	-0.013	0.000	0.002	0.000
03:15:00	36.2	29.6	49.8	30.5	8.5	5.8	9.9	9.4	-0.012	0.000	0.012	0.000
03:30:00	36.4	28.7	43.1	27.0	9.0	5.8	9.9	10.0	-0.013	0.000	0.011	0.000
03:45:00	37.2	28.6	45.4	27.7	9.6	5.6	9.3	9.8	-0.013	0.000	0.003	0.000
04:00:00	31.6	26.4	41.2	28.5	9.4	6.1	9.8	9.8	-0.011	0.000	0.003	0.000
04:15:00	38.0	29.0	51.1	27.5	9.3	6.6	9.7	10.1	-0.009	0.000	0.002	0.000
04:30:00	44.1	29.9	57.1	27.3	9.7	6.5	8.5	10.2	-0.007	0.000	0.002	0.000
04:45:00	54.0	29.8	53.5	29.5	10.1	5.9	9.3	10.2	-0.007	0.000	0.001	0.000
05:00:00	43.8	29.7	35.0	28.8	9.2	6.1	8.9	9.3	-0.009	0.000	0.000	0.000
05:15:00	40.6	28.2	51.1	30.4	8.8	6.1	8.8	10.0	-0.008	0.000	0.000	0.000
05:30:00	41.4	33.6	52.5	35.3	8.6	6.0	9.0	9.3	-0.008	0.000	0.000	0.000
05:45:00	40.3	28.3	43.4	33.1	8.7	5.6	9.3	9.1	-0.010	0.000	0.002	0.000
06:00:00	37.9	24.1	39.9	31.2	9.8	6.9	10.0	9.7	-0.011	0.000	0.000	0.000
06:15:00	41.6	30.5	47.3	35.9	13.2	12.3	15.1	17.3	-0.009	0.000	0.000	0.000
06:30:00	54.1	51.7	51.7	58.6	26.7	31.9	36.2	25.1	-0.010	0.000	0.000	0.000
06:45:00	62.1	59.0	68.1	76.8	34.1	36.7	51.4	38.2	-0.008	0.000	0.000	0.000
07:00:00	76.3	67.3	71.3	79.7	42.8	45.3	53.9	44.3	-0.009	0.000	0.000	0.000
07:15:00	75.1	63.2	92.3	70.7	41.1	43.2	48.6	62.2	-0.008	0.000	0.000	0.000
07:30:00	68.5	63.1	84.0	67.0	40.3	42.0	44.6	55.5	-0.010	0.000	0.000	0.000
07:45:00	65.4	58.5	78.7	62.5	41.5	38.1	41.2	47.9	-0.012	0.000	0.000	0.000
08:00:00	66.1	52.2	106.6	73.7	43.2	35.3	52.4	76.9	-0.010	0.000	0.000	0.000
08:15:00	63.5	47.0	91.5	55.0	42.4	31.8	39.0	67.9	-0.010	0.000	0.000	0.000
08:30:00	43.5	47.4	92.5	45.2	29.9	30.2	30.9	64.6	-0.013	0.000	0.000	0.000
08:45:00	36.3	34.7	58.2	36.5	24.7	22.8	25.1	40.7	-0.012	0.000	0.000	0.000
09:00:00	27.8	28.5	34.4	32.8	17.7	17.9	22.4	23.1	-0.009	0.000	0.000	0.000
09:15:00	23.0	25.4	30.7	20.8	13.9	15.5	13.2	21.0	-0.007	0.000	0.000	0.000
09:30:00	23.5	22.0	17.7	19.9	14.1	13.3	12.6	11.5	-0.009	0.000	0.000	0.000
09:45:00	22.6	20.1	18.4	20.0	13.1	12.1	12.6	11.3	-0.004	0.001	0.000	0.000
10:00:00	19.2	16.4	17.0	17.1	11.0	9.7	10.6	10.3	0.002	0.003	0.000	0.000
10:15:00	15.8	13.7	15.4	15.1	9.1	8.0	9.5	9.4	0.007	0.006	0.000	0.000
10:30:00	14.9	12.7	14.9	15.7	8.8	7.4	9.8	9.5	0.017	0.015	0.000	0.000
10:45:00	15.2	12.8	15.1	15.9	8.8	7.4	10.0	9.5	0.024	0.030	0.000	0.004
11:00:00	15.9	13.3	16.3	18.1	9.7	8.0	12.2	10.4	0.033	0.035	0.002	0.007
11:15:00	15.8	13.7	15.6	16.8	9.8	8.4	11.1	10.2	0.036	0.045	0.003	0.012
11:30:00	17.3	12.5	14.0	15.4	9.0	7.8	10.3	9.0	0.040	0.054	0.003	0.018
11:45:00	13.7	11.4	16.4	14.1	8.3	7.0	9.6	9.9	0.047	0.062	0.006	0.025



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	Avg. 2943 - PM10 (µg/m³)	Avg. 2995 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2995 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2995 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
12:00:00	13.0	10.6	14.1	14.1	7.9	6.4	9.1	8.5	0.066	0.069	0.008	0.028
12:15:00	15.4	10.4	12.9	13.6	7.7	6.3	8.7	7.9	0.074	0.077	0.009	0.040
12:30:00	15.6	10.5	12.3	12.9	7.8	6.2	8.3	7.5	0.080	0.081	0.010	0.038
12:45:00	11.9	10.1	11.5	12.1	6.9	6.0	7.7	7.0	0.090	0.076	0.012	0.042
13:00:00	11.6	9.9	11.2	11.8	6.7	5.8	7.6	6.9	0.095	0.072	0.011	0.042
13:15:00	11.0	9.6	10.7	11.3	6.4	5.7	7.4	6.6	0.093	0.071	0.009	0.049
13:30:00	11.0	9.1	10.4	11.5	6.4	5.4	7.4	6.5	0.100	0.069	0.006	0.047
13:45:00	12.5	9.2	10.9	12.0	6.6	5.5	7.6	6.7	0.091	0.060	0.005	0.049
14:00:00	12.8	9.6	11.2	13.4	6.6	5.7	8.2	7.1	0.086	0.056	0.006	0.044
14:15:00	16.2	9.7	11.4	12.6	7.1	5.8	8.1	7.1	0.077	0.050	0.002	0.040
14:30:00	11.9	9.7	11.4	14.2	6.8	5.9	9.1	7.2	0.075	0.049	0.001	0.038
14:45:00	11.7	9.8	11.6	14.8	6.8	5.9	9.9	7.2	0.066	0.048	0.002	0.037
15:00:00	15.9	9.9	12.5	13.7	7.2	5.9	8.5	7.5	0.061	0.047	0.000	0.035
15:15:00	11.5	9.5	11.9	13.6	6.7	5.7	8.8	7.3	0.056	0.037	0.000	0.037
15:30:00	12.3	9.6	14.5	15.0	6.8	5.8	9.3	8.1	0.059	0.032	0.000	0.029
15:45:00	12.5	10.9	12.5	14.9	7.0	6.4	9.6	7.5	0.056	0.027	0.000	0.030
16:00:00	13.1	11.0	13.3	16.4	7.2	6.3	9.1	7.8	0.062	0.026	0.000	0.027
16:15:00	12.5	10.6	12.6	14.6	7.1	6.3	9.6	7.4	0.055	0.023	0.000	0.026
16:30:00	15.8	9.4	11.2	12.5	7.4	6.0	8.6	7.5	0.052	0.024	0.000	0.024
16:45:00	16.0	9.8	11.8	12.6	7.8	6.3	8.9	8.0	0.046	0.026	0.000	0.026
17:00:00	12.2	10.3	12.3	13.6	7.6	6.6	8.9	8.0	0.045	0.021	0.000	0.018
17:15:00	12.4	10.2	11.8	12.6	7.1	6.1	8.2	7.4	0.044	0.016	0.000	0.018
17:30:00	11.0	9.3	10.9	11.2	6.6	5.8	7.5	7.0	0.034	0.011	0.000	0.020
17:45:00	13.6	9.2	11.9	11.8	6.6	5.6	7.6	7.2	0.033	0.017	0.000	0.022
18:00:00	14.3	9.8	12.4	13.2	7.0	5.8	8.6	7.3	0.037	0.017	0.000	0.015
18:15:00	12.3	10.2	12.3	12.7	7.3	6.2	8.4	7.5	0.031	0.012	0.000	0.015
18:30:00	39.4	10.6	12.9	14.1	9.9	6.2	9.5	7.5	0.026	0.010	0.000	0.010
18:45:00	17.6	11.8	13.5	15.6	8.3	6.3	10.3	7.6	0.019	0.005	0.000	0.006
19:00:00	21.7	11.3	15.3	15.4	8.8	6.4	10.3	8.2	0.013	0.000	0.000	0.005
19:15:00	21.9	14.8	13.3	12.9	9.0	6.6	8.5	7.7	0.005	0.000	0.000	0.008
19:30:00	12.2	12.9	10.9	13.3	7.1	7.1	7.6	6.5	0.006	0.000	0.000	0.010
19:45:00	14.6	12.6	15.6	12.6	7.9	6.8	7.2	7.6	-0.004	0.000	0.000	0.008
20:00:00	15.1	13.2	17.2	13.8	7.9	6.7	8.2	8.1	-0.021	0.000	0.003	0.001
20:15:00	15.0	14.2	17.9	14.3	7.7	6.9	8.3	8.1	-0.031	0.000	0.000	0.000
20:30:00	15.3	14.2	17.5	15.2	7.7	6.7	8.2	8.4	-0.040	0.000	0.000	0.000
20:45:00	14.9	13.2	16.7	15.4	7.6	6.8	8.1	8.5	-0.044	0.000	0.000	0.000
21:00:00	16.7	12.9	17.7	14.4	7.7	6.5	7.9	8.2	-0.047	0.000	0.000	0.000
21:15:00	16.4	13.4	18.4	15.2	7.6	6.4	8.0	8.1	-0.049	0.000	0.000	0.000
21:30:00	17.1	13.6	22.3	16.0	7.6	6.4	8.1	8.4	-0.049	0.000	0.000	0.000
21:45:00	18.1	13.5	17.6	16.6	7.5	6.5	8.0	7.8	-0.049	0.000	0.006	0.000
22:00:00	18.7	11.8	13.0	15.4	7.3	6.1	7.6	6.6	-0.049	0.000	0.040	0.000
22:15:00	29.1	10.5	18.6	13.2	8.0	5.5	7.0	7.0	-0.045	0.000	0.012	0.000
22:30:00	17.5	9.1	13.7	8.8	6.4	4.8	5.1	6.0	-0.039	0.000	0.000	0.000
22:45:00	14.1	7.7	11.7	7.2	5.5	4.2	4.2	4.9	-0.034	0.000	0.000	0.000
23:00:00	13.8	6.5	8.3	6.8	4.8	3.4	4.1	4.1	-0.032	0.000	0.000	0.000
23:15:00	13.5	6.0	7.7	7.0	4.3	3.1	3.9	3.8	-0.033	0.000	0.000	0.000
23:30:00	12.6	5.5	8.0	6.3	4.1	2.9	3.5	3.5	-0.033	0.000	0.000	0.000
23:45:00	10.2	5.5	7.5	6.0	3.5	2.5	3.1	3.2	-0.031	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. 2995 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2995 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2995 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
06:30:00							36.2					
06:45:00						36.7	51.4	38.2				
07:00:00					42.8	45.3	53.9	44.3				
07:15:00					41.1	43.2	48.6	62.2				
07:30:00					40.3	42.0	44.6	55.5				
07:45:00					41.5	38.1	41.2	47.9				
08:00:00					43.2	35.3	52.4	76.9				
08:15:00					42.4		39.0	67.9				
08:30:00								64.6				
08:45:00								40.7				