



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-10-28

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1000 Max : 19.86	2943 ESE	2693 E	2996 SW	2997 NNW	Min : 33.80 Max : 71.60	Min : 50.00 Max : 97.60	Min : 29.76 Max : 30.53

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	8.5	49.4				
2943	11.1	88.2	3.7	14.1	0.009	0.034
2996	7.6	45.6	3.5	15.0	0.001	0.006
2997	2.6	4.6	1.5	2.5	0.010	0.042



Figure 1 : Monitoring Locations

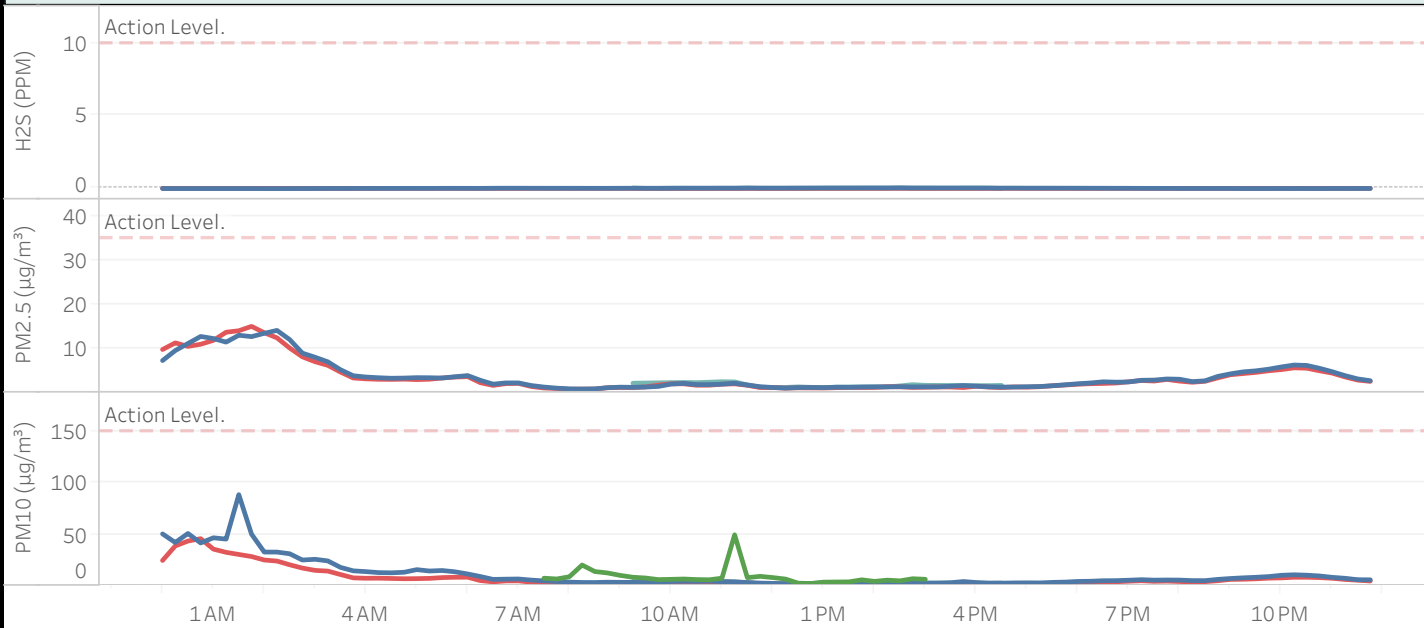


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

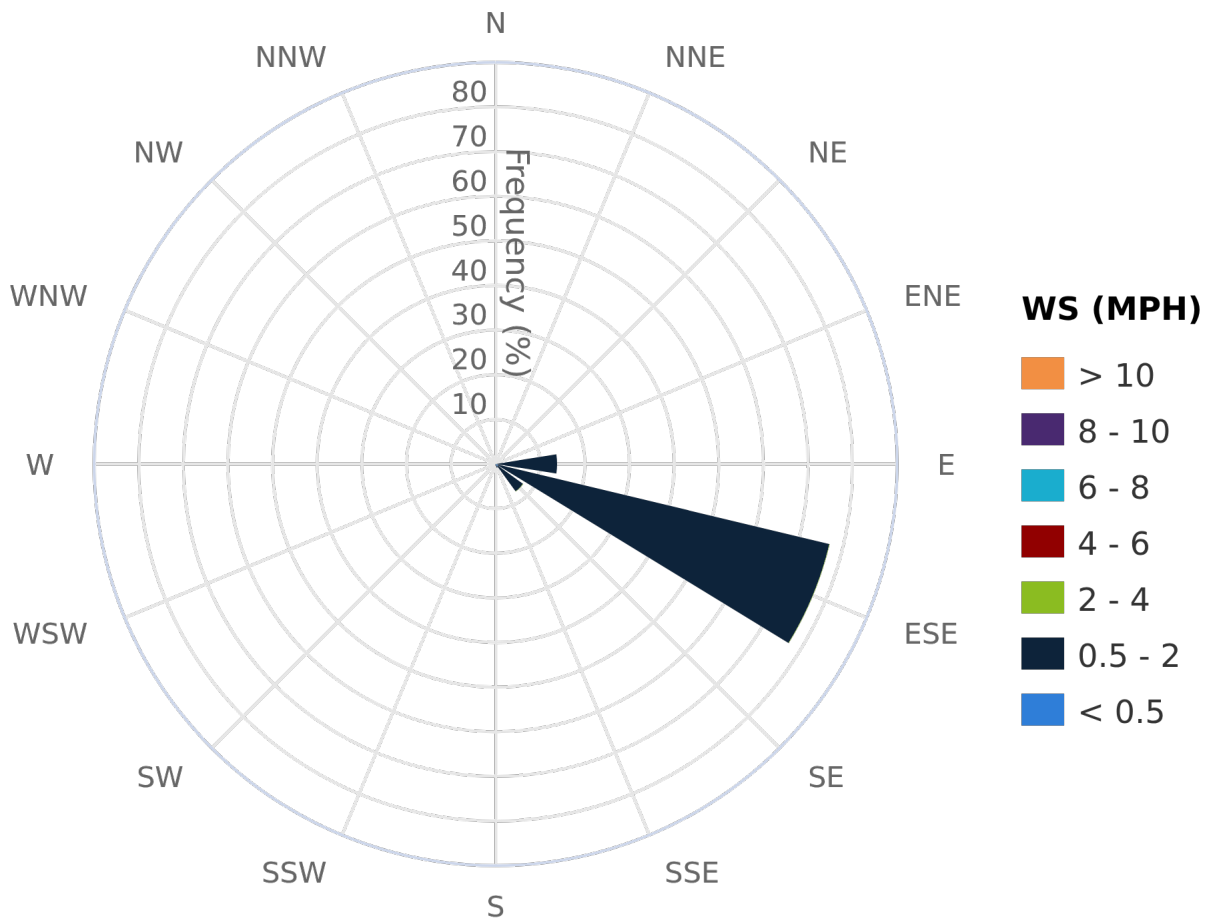


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

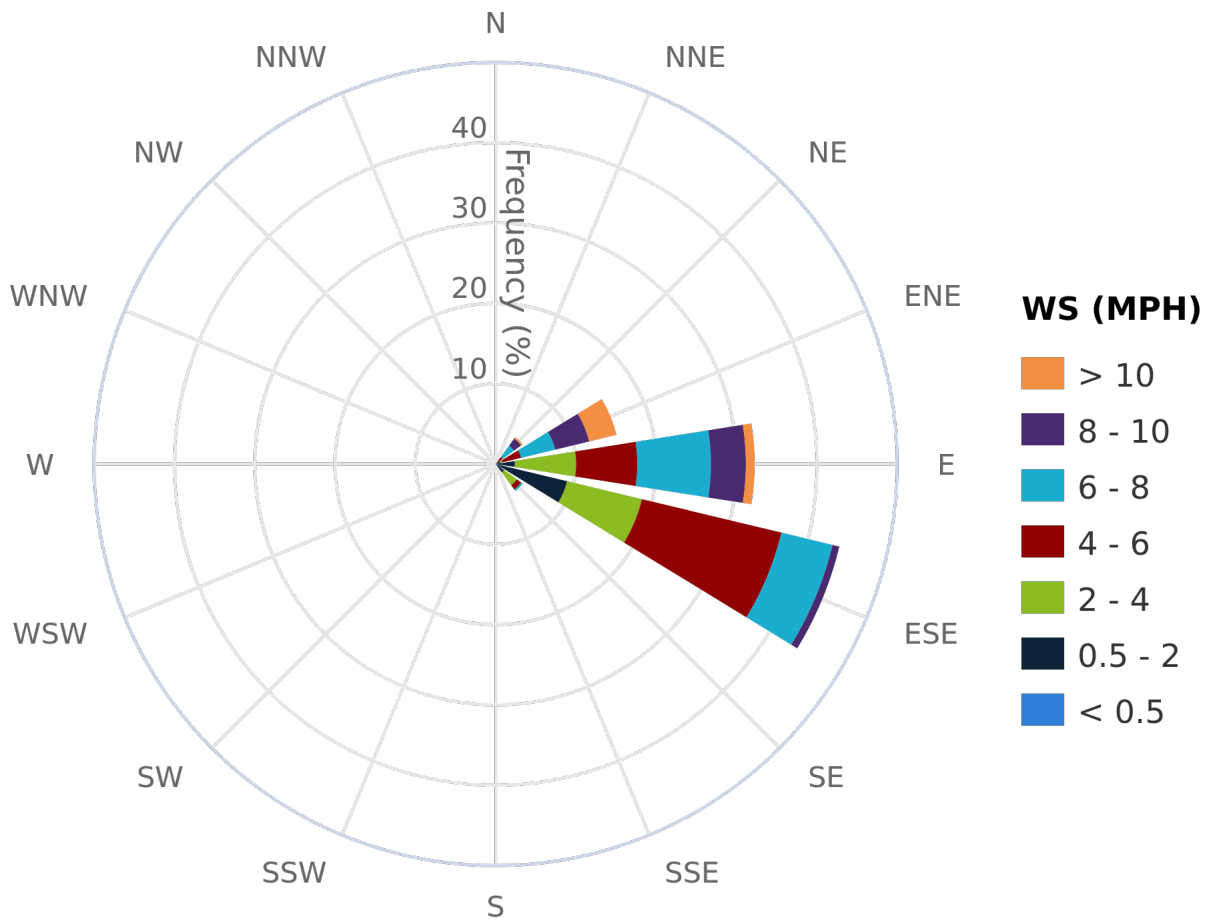


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

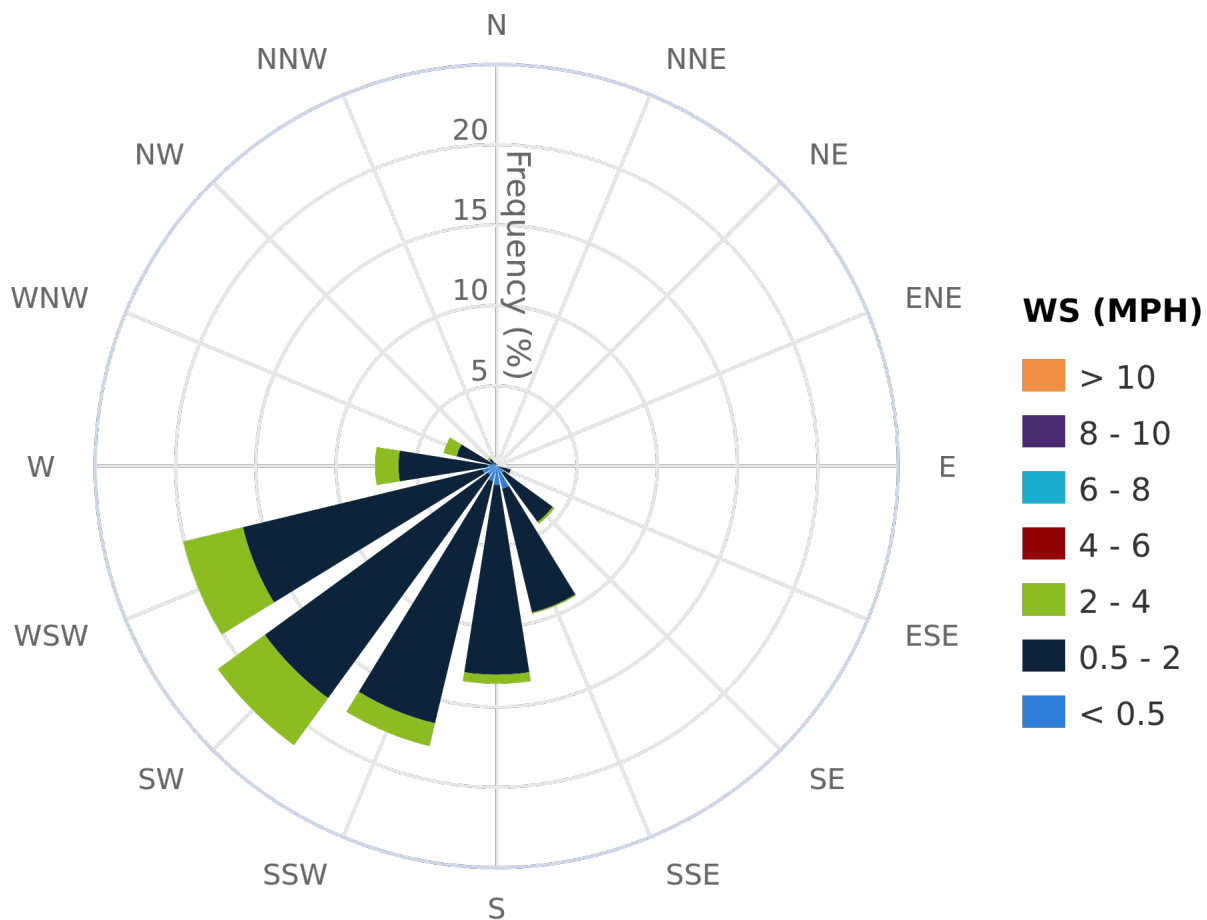


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

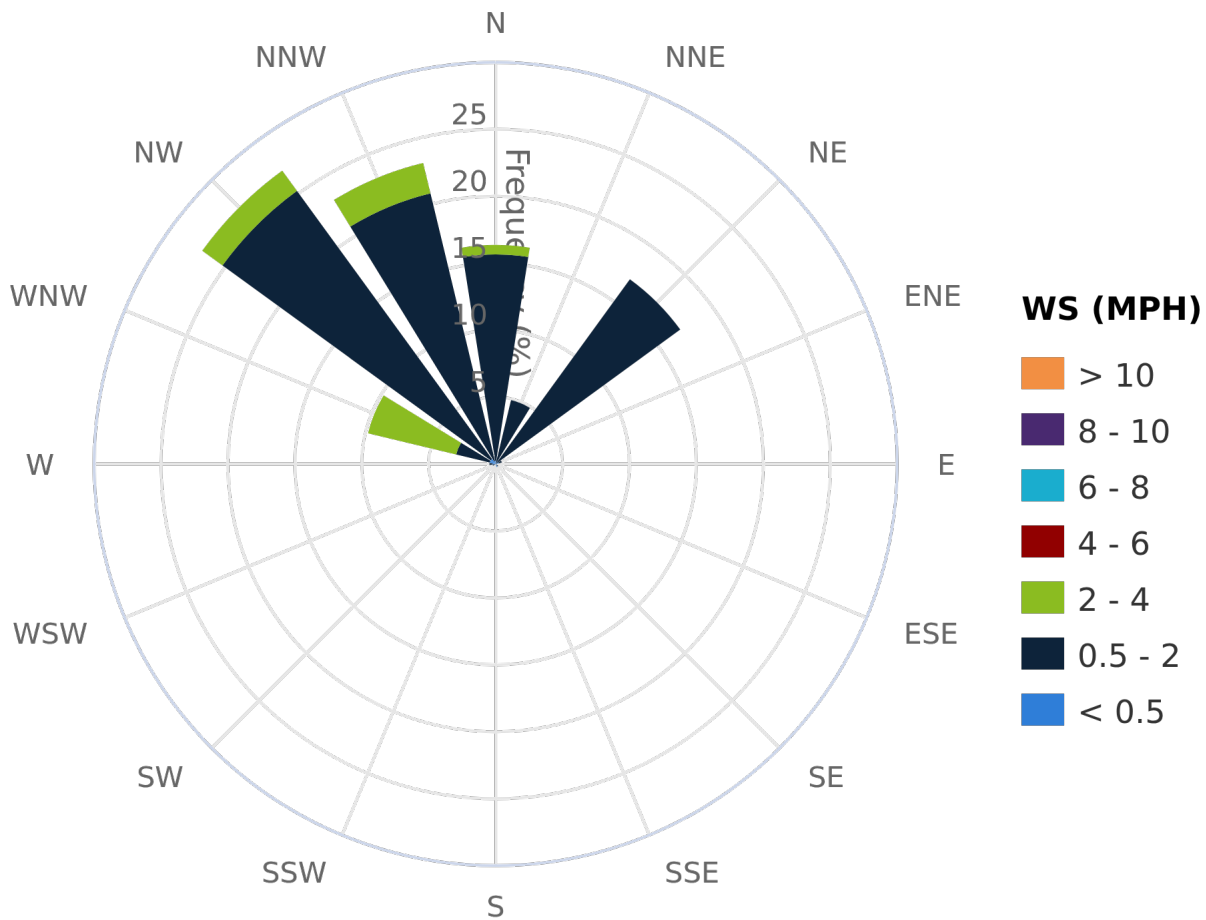


Figure 3 : Wind Rose Chart (WS in MPH)



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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	50.2			24.5	7.2		9.7		-0.010		0.000	
00:15:00	41.9			38.6	9.5		11.3		-0.010		0.000	
00:30:00	50.7			43.3	11.1		10.4		-0.012		0.000	
00:45:00	41.5			45.6	12.7		10.9		-0.011		0.000	
01:00:00	46.5			35.5	12.2		11.8		-0.011		0.000	
01:15:00	45.2			32.4	11.4		13.7		-0.011		0.000	
01:30:00	88.2			30.3	13.0		14.0		-0.011		0.000	
01:45:00	50.0			28.3	12.7		15.0		-0.011		0.000	
02:00:00	32.7			24.9	13.4		13.5		-0.013		0.000	
02:15:00	32.6			23.9	14.1		12.4		-0.013		0.000	
02:30:00	31.0			20.3	12.0		10.1		-0.012		0.000	
02:45:00	24.9			17.1	8.9		8.1		-0.008		0.000	
03:00:00	25.6			14.9	8.0		7.0		-0.006		0.000	
03:15:00	24.1			14.2	7.0		6.2		-0.004		0.000	
03:30:00	17.8			10.9	5.2		4.6		-0.003		0.000	
03:45:00	14.5			7.7	3.8		3.3		-0.003		0.000	
04:00:00	13.7			7.3	3.5		3.1		-0.001		0.000	
04:15:00	12.7			7.4	3.4		3.0		0.000		0.000	
04:30:00	12.5			7.1	3.3		3.0		0.001		0.000	
04:45:00	13.1			6.8	3.3		3.0		0.004		0.000	
05:00:00	15.6			6.9	3.4		2.9		0.003		0.000	
05:15:00	14.3			7.2	3.4		3.0		0.002		0.000	
05:30:00	14.8			7.9	3.3		3.3		0.006		0.000	
05:45:00	13.5			8.2	3.6		3.5		0.007		0.000	
06:00:00	11.4			8.3	3.9		3.6		0.005		0.000	
06:15:00	9.0			5.0	2.8		2.2		0.004		0.000	
06:30:00	6.2			3.8	1.9		1.6		0.011		0.000	
06:45:00	6.4			4.7	2.2		2.0		0.013		0.000	
07:00:00	6.6			4.7	2.2		2.1		0.013		0.000	
07:15:00	5.5			3.5	1.6		1.4		0.011		0.001	
07:30:00	4.7	7.3		2.7	1.3		1.0		0.010		0.000	
07:45:00	4.2	6.6		2.3	1.0		0.9		0.010		0.000	
08:00:00	3.6	8.7		2.0	0.9		0.7		0.010		0.000	
08:15:00	3.2	20.1		2.0	0.8		0.8		0.008		0.000	
08:30:00	3.2	13.8		1.9	0.9		0.8		0.008		0.000	
08:45:00	3.5	12.4		2.4	1.1		1.1		0.007		0.000	
09:00:00	3.4	10.1		2.5	1.2		1.2		0.011		0.000	
09:15:00	3.3	8.2	4.4	2.4	1.2		1.1	2.1	0.010		0.000	0.034
09:30:00	3.2	7.5		2.7	1.3		1.3		0.012		0.001	0.000
09:45:00	3.1	6.0		3.0	1.4		1.7		0.011		0.000	
10:00:00	4.1	6.2		3.6	1.9		2.0		0.015		0.000	
10:15:00	4.3	6.6	4.3	3.5	2.1		2.0	2.3	0.016		0.001	0.014
10:30:00	4.3	6.0	4.6	3.6	1.8		1.7	2.3	0.020		0.003	0.000
10:45:00	4.4	5.8		3.6	1.8		1.7		0.018		0.001	
11:00:00	4.0	7.3	4.3	3.4	1.9		1.9	2.5	0.019		0.002	0.012
11:15:00	3.8	49.4	3.8	3.4	2.1		2.0	2.4	0.020		0.001	0.007
11:30:00	3.2	7.8	2.8	2.9	1.7		1.7	1.8	0.023		0.002	0.029
11:45:00	2.6	9.1	2.1	2.0	1.4		1.2	1.2	0.026		0.001	0.003



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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	2.3	7.9	1.9	1.8	1.2		1.2	1.1	0.024		0.003	0.000
12:15:00	2.0	6.5	2.2	1.7	1.0		1.0	1.2	0.025		0.003	0.000
12:30:00	2.1	2.5	2.3	1.8	1.2		1.1	1.3	0.029		0.003	0.000
12:45:00	2.2	2.2	2.1	2.0	1.2		1.1	1.2	0.030		0.004	0.002
13:00:00	2.7	3.5	2.0	1.9	1.1		1.0	1.1	0.032		0.004	0.006
13:15:00	2.2	3.7	2.4	1.9	1.2		1.1	1.3	0.033		0.005	0.009
13:30:00	2.3	3.8	2.1	1.8	1.2		1.2	1.3	0.033		0.005	0.010
13:45:00	2.3	5.8	2.1	1.9	1.3		1.2	1.3	0.033		0.006	0.014
14:00:00	2.3	4.2	2.2	2.0	1.3		1.2	1.3	0.033		0.004	0.017
14:15:00	2.3	5.4	2.2	2.1	1.3		1.3	1.3	0.032		0.005	0.016
14:30:00	2.5	4.8	2.3	2.0	1.3		1.3	1.5	0.033		0.004	0.042
14:45:00	2.6	6.8	2.9	1.8	1.3		1.2	1.8	0.034		0.005	0.006
15:00:00	2.4	6.3	2.9	2.0	1.3		1.2	1.7	0.033		0.005	0.010
15:15:00	2.5			2.0	1.3		1.3		0.029		0.003	
15:30:00	3.0			2.0	1.5		1.3		0.028		0.003	
15:45:00	4.1			2.1	1.6		1.2		0.029		0.003	
16:00:00	3.2			2.1	1.5		1.4		0.028		0.002	
16:15:00	2.6		2.4	1.9	1.3		1.2	1.6	0.025		0.003	0.022
16:30:00	2.6		2.7	1.7	1.3		1.1	1.6	0.021		0.004	0.000
16:45:00	2.8			2.0	1.3		1.3		0.024		0.002	
17:00:00	2.9			2.2	1.3		1.2		0.019		0.001	
17:15:00	2.8			2.2	1.4		1.3		0.019		0.001	
17:30:00	3.3			2.3	1.6		1.6		0.018		0.000	
17:45:00	3.6			2.6	1.8		1.7		0.017		0.000	
18:00:00	4.2			3.2	2.0		1.9		0.016		0.000	
18:15:00	4.4			3.6	2.2		2.0		0.013		0.000	
18:30:00	4.9			3.8	2.5		2.1		0.011		0.000	
18:45:00	5.0			3.9	2.4		2.2		0.009		0.000	
19:00:00	5.4			4.4	2.4		2.5		0.009		0.000	
19:15:00	5.9			4.8	2.8		2.7		0.004		0.000	
19:30:00	5.5			4.3	2.8		2.6		0.002		0.000	
19:45:00	5.6			4.5	3.1		3.0		0.001		0.000	
20:00:00	5.5			4.1	3.0		2.6		-0.003		0.000	
20:15:00	5.0			3.7	2.5		2.3		-0.004		0.000	
20:30:00	5.0			4.0	2.7		2.6		-0.003		0.000	
20:45:00	6.2			4.9	3.7		3.3		-0.004		0.000	
21:00:00	7.1			6.2	4.3		4.0		-0.003		0.000	
21:15:00	7.7			6.3	4.7		4.3		-0.007		0.000	
21:30:00	8.2			6.7	4.9		4.6		-0.008		0.000	
21:45:00	8.9			7.4	5.3		4.9		-0.006		0.000	
22:00:00	10.1			7.6	5.8		5.2		-0.005		0.000	
22:15:00	10.6			8.2	6.2		5.6		-0.007		0.000	
22:30:00	10.2			8.2	6.1		5.5		-0.007		0.000	
22:45:00	9.5			7.9	5.5		4.9		-0.008		0.000	
23:00:00	8.2			7.3	4.7		4.4		-0.005		0.000	
23:15:00	7.3			6.1	3.9		3.6		-0.006		0.000	
23:30:00	5.9			5.4	3.1		2.8		-0.005		0.000	
23:45:00	5.8			4.6	2.7		2.5		-0.003		0.000	



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Table 4 : Summary of Exceedances (greater than Action Level) - *None*