

WATER QUALITY AND TREATMENT DIVISION
TABLE 1 - MICROBIOLOGICAL AND CYANOTOXIN ANALYSES FY2025 (Jul 2024 - Jun 2025)

	2025	2024	2023	2022	2021	2020
Total Coliform Bacteria						
<i>Raw Water (MPN per 100 mL): Miller Plant</i>						
Average	3,475	2,268	1,460	2,795	1,394	3369
Maximum Monthly Average	7,851	8,943	3,545	6,500	3,336	10,117
Maximum Day	14,616	39,726	7,746	17,328	11,855	33,205
Minimum Monthly Average	719	128	161	360	294	428
Minimum Day	167	64	67	10	69	50
<i>Distribution Finished Water (presence/absence)**</i>						
Number of Positive Samples (annual % positive)	1 (0.03%)	0 (0.0%)	3 (0.1%)	5 (0.2%)	1 (0.03%)	0 (0.0%)
Number of Samples	3,070	3,042	3,053	3,142	3107	3,124
E. coli Bacteria						
<i>Raw Water (MPN per 100 mL): Miller Plant</i>						
Average	89	86	41	110	68	175
Maximum Monthly Average	419	258	152	355	148	849
Maximum Day	828	1,672	403	727	435	3,070
Minimum Monthly Average	<1	1	1	<1	<1	<1
Minimum Day	<1	*	<1	<1	<1	<1
Giardia Cysts						
Number per 100 LITERS						
<i>Raw Water: Miller Plant</i>						
Number of Positive Samples	2	2	2	4	5	8
Average of Detections	91	12	25	30	168	36
Minimum Detection	*	*	5	7	20	3
Maximum Detection	360	40	44	68	420	128
Number of Samples	4	4	4	8	12	12
<i>Finished Water: Miller Plant</i>						
Number of Positive Samples	0	0	0	0	0	0
Number of Samples	4	4	4	6	12	12
Cryptosporidium Oocysts						
Number per 100 LITERS						
<i>Raw Water: Miller Plant</i>						
Number of Positive Samples	0	1	1	0	1	3
Average of Detections	*	1.3	9	0	13	20
Minimum Detection	*	*	0	0	13	3
Maximum Detection	*	5	9	0	13	52
Number of Samples	4	4	4	8	12	12
<i>Finished Water: Miller Plant</i>						
Number of Positive Samples	0	0	0	0	0	0
Number of Samples	4	4	4	6	12	12

* Below Detection Limit

**The OEPA Revised Total Coliform Rule requires an assessment of a Distribution system when more than 5.0 percent of the total number of samples collected from the system during a month are total coliform-positive. The monthly percentage of samples collected from the combined Miller/Bolton Distribution System that were total coliform positive was below this requirement.

MPN - most probable number

WATER QUALITY AND TREATMENT DIVISION

TABLE 1 (cont) - MICROBIOLOGICAL AND CYANOTOXIN ANALYSES FY2025 (Jul 2024 - Jun 2025)

	2025	2024	2023	2022	2021	2020
Cyanotoxin - Microcystin µg per LITER						
<i>Raw Water: Miller Plant</i>						
Number of Positive Samples	0	0	0	0	0	1
Average of Detections	*	*	*	*	*	0.4
Minimum Detection	*	*	*	*	*	0.4
Maximum Detection	*	*	*	*	*	0.4
Number of Samples	26	28	26	29	26	37
<i>Finished Water: Miller Plant</i>						
Number of Positive Samples	0	Included Finished water starting in FY2025				
Average of Detections	*					
Minimum Detection	*					
Maximum Detection	*					
Number of Samples	26					
Microcystin Gene Copies (GC) GC per µL						
<i>Raw Water: Miller Plant</i>						
Number of Positive Samples	1	0	0	0	0	1
Average of Detections	0.06	*	*	*	*	0.52
Minimum Detection	*	*	*	*	*	0.52
Maximum Detection	0.72	*	*	*	*	0.52
Number of Samples	13	13	13	14	14	13
Cylindrospermopsin GC GC per µL						
<i>Raw Water: Miller Plant</i>						
Number of Positive Samples	0	0	0	0	0	0
Number of Samples	13	13	13	14	14	13
Saxitoxin GC GC per µL						
<i>Raw Water: Miller Plant</i>						
Number of Positive Samples	0	1	0	0	0	0
Average of Detections	*	*	*	*	*	*
Minimum Detection	*	*	*	*	*	*
Maximum Detection	*	*	*	*	*	*
Number of Samples	13	13	13	14	14	13
Total Cyanobacteria GC GC per µL						
<i>Raw Water: Miller Plant</i>						
Number of Positive Samples	13	13	13	14	14	13
Average of Detections	87	63	105	197	170	341
Minimum Detection	2	4.2	0.3	26	23	20
Maximum Detection	351	253	461	673	391	1100
Number of Samples	13	13	13	14	14	13

* Below Detection Limit