



Schedule 1 - Microbiological Parameters

Analysis	Unit	MECP MAC Standard	MECP Aesthetic Objective	MECP Operational Guideline	Detection Limit	Acton Distribution	Burlington Distribution	Campbellville Distribution	Georgetown Distribution	Milton Distribution Well Based	Milton Distribution Lake Based	Oakville Distribution	Bridgeview Distribution	North Aldershot Distribution	Snake Road Distribution
Presence/Absence - E. coli	P/A/100mL	Absent			NA	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Presence/Absence - Total Coliform	P/A/100mL	Absent			NA	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Heterotrophic Plate Count	CFU/1 mL			500 ²	0	0	1	0	1	0	0	1	0	1	1
Chlorine - Free	mg/L	0.05 - 4.0		0.2	0.01	0.78	1.02	1.16	1.19	1.21	1.05	1.03			
Chlorine - Total	mg/L				0.01	0.89	1.20	1.27	1.30	1.33	1.21	1.19	1.36	0.93	1.06
Chlorine - Combined	mg/L	0.25 - 3.0		1.0	0.01								1.30 *	0.88 *	1.01 *

Table 4 - Chemical / Physical Parameters

Parameter	Unit	MECP MAC Standard	MECP Aesthetic Objective	MECP Operational Guideline	Detection Limit	Acton Distribution	Burlington Distribution	Campbellville Distribution	Georgetown Distribution	Milton Distribution Well Based	Milton Distribution Lake Based	Oakville Distribution	Bridgeview Distribution	North Aldershot Distribution	Snake Road Distribution
Alkalinity	mg/L			30 - 500	2.0	262	92.3	307	265	246	93.9	91.5	90.0	89.0	88.2
Ammonia Nitrogen	mg/L				0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.43	0.22	0.32
Calcium	mg/L				0.05/0.5	85.6	36.1	88.0	93.4	74.4	38.0	36.3	37.9	38.2	38.2
Chloride	mg/L		250		0.05/1.0	64.9	28.5	239	110	90.7	30.8	29.3	30.3	29.9	30.2
Colour	TCU		5		1	1	1	1	1	1	1	1	1	1	1
Conductivity	µS/cm				0.5	684	323	1330	868	777	335	329	329	338	332
Dissolved Organic Carbon	mg/L		5		0.20	1.4	1.6	0.81	0.69	0.80	1.5	1.5	1.4	1.5	1.4
pH				6.5 - 8.5	1.00	7.40	7.58	7.50	7.55	7.57	7.97	7.74	7.57	7.80	7.62
Sulphate	mg/L		500		0.10/10	23.0	23.7	26.3	38.5	39.1	23.9	23.9	22.8	22.3	22.9
TKN (Total Kjeldahl Nitrogen)	mg/L				0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.6	0.4	0.5
Total Dissolved Solids	mg/L		500		25	421	181	750	514	457	198	183	192	209	211
Total Hardness	mg/L			80 - 100	1.5	312	124	338	340	306	125	124	124	124	126
(for Dishwashers)	grains/gal					21.9	8.7	23.7	23.9	21.5	8.8	8.7	8.7	8.7	8.8
Aluminum	mg/L			0.1	0.001	0.001	0.064	0.001	0.002	0.003	0.078	0.075	0.025	0.037	0.095
Cobalt	mg/L				0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Copper	mg/L		1		0.001	0.048	0.003	0.007	0.008	0.008	0.004	0.003	0.001	<0.001	0.001
Iron	mg/L		0.3		0.001	0.021	0.003	0.009	0.003	0.005	0.005	0.004	0.028	0.026	0.153
Manganese	mg/L		0.05		0.0005	0.0026	0.0005	0.0005	0.0005	0.0006	0.0007	0.0005	0.0014	0.0019	0.0029
Molybdenum	mg/L				0.0005	0.0007	0.0013	<0.0005	0.0005	0.0010	0.0012	0.0013	0.0013	0.0014	0.0011
Nickel	mg/L				0.0005	0.0009	0.0007	0.0010	0.0006	0.0006	0.0006	0.0008	0.0006	0.0005	0.0006
Zinc	mg/L		5		0.0005	0.0211	0.0011	0.0038	0.0017	0.0015	0.0018	0.0012	<0.0005	<0.0005	<0.0005

Schedule 13 - Chemical Parameters

Parameter	Unit	MECP MAC Standard	MECP Aesthetic Objective	MECP Operational Guideline	Detection Limit	Acton Distribution	Burlington Distribution	Campbellville Distribution	Georgetown Distribution	Milton Distribution Well Based	Milton Distribution Lake Based	Oakville Distribution	Bridgeview Distribution	North Aldershot Distribution	Snake Road Distribution
Fluoride	mg/L	1.5		0.5 - 0.8 ³	0.03/0.02	0.72	0.54	0.08	0.72	0.11	0.61	0.60	0.62	0.64	0.62
Nitrate Nitrogen	mg/L	10			0.01/0.04	1.26	0.39	1.50	1.88	0.23	0.38	0.41	0.35	0.38	0.39
Nitrite Nitrogen	mg/L	1			0.02/0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.02	0.01
Sodium	mg/L	20 ⁴	200 ⁵		0.05/1.0	29.7	15.1	155	53.8	46.9	16.3	15.5	14.8	14.3	14.7
Turbidity	NTU	1 ⁶	5 ⁷		0.05	0.12	0.11	0.12	0.11	0.13	0.13	0.14	0.23	0.83	0.44
Bromodichloromethane ⁹	µg/L				0.10	7.6	7.8	4.0	3.9	6.5	10.9	7.6	7.4	7.6	7.2
Bromoform ⁹	µg/L				0.20	0.4	0.5	0.9	3.2	7.3	0.7	0.5	0.3	0.3	0.3
Chloroform ⁹	µg/L				0.10	16.6	14.7	4.0	1.5	2.2	21.9	13.0	9.6	10.1	9.4
Dibromochloromethane ⁹	µg/L				0.20	3.2	4.2	3.8	6.4	12.0	5.6	4.2	3.1	3.2	3.0
Total THMs	µg/L	100 ⁸			0.20	29.7	30.0 ¹⁰	13.3	16.8	29.5	30.0 ¹⁰	30.0 ¹⁰	18.9	19.7	18.6
Dibromoacetic Acid ⁹	µg/L				5.0		<5.0				<5.0	<5.0	<5.0	<5.0	<5.0
Dichloroacetic Acid ⁹	µg/L				5.0		6.1				11.0	7.1	<5.0	<5.0	<5.0
Monobromoacetic Acid ⁹	µg/L				5.0		<5.0				<5.0	<5.0	<5.0	<5.0	<5.0
Monochloroacetic Acid ⁹	µg/L				5.0		<5.0				<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroacetic Acid ⁹	µg/L				5.0		5.3				6.0	5.4	<5.0	<5.0	<5.0
Total HAAs	µg/L	80			5.0		9.3 ¹⁰				9.3 ¹⁰	9.3 ¹⁰	<5.0	<5.0	<5.0

Schedule 23 - Inorganic Parameters

Parameter	Unit	MECP MAC Standard	MECP Aesthetic Objective	MECP Operational Guideline	Detection Limit	Acton Distribution	Burlington Distribution	Campbellville Distribution	Georgetown Distribution	Milton Distribution Well Based	Milton Distribution Lake Based	Oakville Distribution	Bridgeview Distribution	North Aldershot Distribution	Snake Road Distribution
Cadmium	mg/L	0.005			0.0005	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Chromium	mg/L	0.05			0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	<0.001	<0.001	<0.001

NOTES:

- ¹ This is an internal Halton Region guideline and is not reportable to the Ministry of the Environment, Conservation and Parks (MECP) if adverse.
- ² This is an internal Halton Region guideline and is not reportable to the MECP if adverse. Increases in HPC concentrations above baseline levels are considered undesirable.
- ³ This guideline applies only when Fluoride is added. Campbellville and Well Based Milton do not have Fluoride added to the water supply.
- ⁴ Defined as adverse under Reg. 170/03. At 20 mg/L, the Medical Officer of Health is to be notified, who in turn notifies local physicians so that patients on sodium restricted diets can be informed.
- ⁵ At 200 mg/L, MECP Aesthetic Objective.
- ⁶ This standard applies to treated water entering the distribution system.
- ⁷ This objective applies to water in the distribution system.
- ⁸ This standard applies to a running annual average for all distribution sites, as per MECP calculation.
- ⁹ This result is based on an annual average.
- ¹⁰ This is a running average for the South Halton Water Distribution System (Oakville, Burlington, Milton Lake Based) as per MECP calculation.

* This system operates under chloramination.

MAC = Maximum Acceptable Concentration

Schedule 23 and 24 from the Ontario Drinking Water Quality Standards Reg. 169/03 and 170/03 have been analyzed for all treated waters entering the distribution system,

where required, and were found to be below the MAC health standard or aesthetic objective required.

To convert mg/L to grains/gallon: mg/L x 0.07016 = grains/imperial gallon