



Schedule 1 - Microbiological Parameters

| Analysis | Unit | MECP MAC Standard | MECP Aesthetic Objective | MECP Operational Guideline | Detection Limit | Action 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 | 1 | 1 | 1 | 1 | 2 | 7 | 1 | 19 |
| Chlorine - Free | mg/L | 0.05 - 4.0 | | 0.2 | 0.01 | 1.12 | 1.04 | 1.10 | 1.21 | 1.16 | 1.07 | 1.07 | | | |
| Chlorine - Total | mg/L | | | | 0.01 | 1.25 | 1.21 | 1.22 | 1.33 | 1.29 | 1.23 | 1.25 | 1.30 | 1.08 | 1.23 |
| Chlorine - Combined | mg/L | 0.25 - 3.0 | | 1.0 | 0.01 | | | | | | | | 1.23* | 1.02* | 1.16* |

Table 4 - Chemical / Physical Parameters

| | | | | | | | | | | | | | | | |
|-------------------------------|------------|--|------|-----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Alkalinity | mg/L | | | 30 - 500 | 2.0 | 259 | 93.0 | 296 | 265 | 243 | 94.5 | 92.2 | 89.6 | 92.0 | 87.4 |
| Ammonia Nitrogen | mg/L | | | | 0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | 0.21 | 0.20 | 0.21 |
| Calcium | mg/L | | | | 0.05/0.5 | 90.2 | 37.4 | 85.5 | 92.6 | 73.9 | 39.1 | 37.4 | 35.1 | 36.3 | 35.4 |
| Chloride | mg/L | | 250 | | 0.05/1.0 | 88.7 | 29.8 | 226 | 105 | 83.2 | 31.9 | 30.0 | 32.7 | 31.9 | 32.1 |
| Colour | TCU | | 5 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Conductivity | µS/cm | | | | 0.5 | 737 | 328 | 1310 | 871 | 750 | 337 | 337 | 338 | 344 | 339 |
| Dissolved Organic Carbon | mg/L | | 5 | | 0.20 | 1.6 | 1.6 | 0.83 | 0.72 | 0.94 | 1.5 | 1.5 | 1.2 | 1.3 | 1.2 |
| pH | | | | 6.5 - 8.5 | 1.00 | 7.35 | 7.75 | 7.51 | 7.53 | 7.57 | 7.91 | 7.71 | 7.59 | 7.76 | 7.62 |
| Sulphate | mg/L | | 500 | | 0.10/10 | 24.5 | 24.7 | 23.0 | 38.4 | 36.3 | 24.6 | 25.3 | 23.7 | 23.9 | 23.7 |
| TKN (Total Kjeldahl Nitrogen) | mg/L | | | | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.4 | 0.4 | 0.4 |
| Total Dissolved Solids | mg/L | | 500 | | 25 | 461 | 187 | 699 | 506 | 438 | 190 | 189 | 177 | 198 | 180 |
| Total Hardness | mg/L | | | 80 - 100 | 1.5 | 312 | 124 | 326 | 334 | 299 | 126 | 124 | 125 | 128 | 123 |
| (for Dishwashers) | grains/gal | | | | | 21.9 | 8.7 | 22.9 | 23.4 | 21.0 | 8.8 | 8.7 | 8.8 | 9.0 | 8.6 |
| Aluminum | mg/L | | | 0.1 | 0.001 | 0.002 | 0.063 | 0.001 | 0.001 | 0.004 | 0.051 | 0.072 | 0.027 | 0.029 | 0.019 |
| 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 | 0.054 | 0.004 | 0.009 | 0.005 | 0.008 | 0.006 | 0.008 | 0.002 | <0.001 | 0.002 |
| Iron | mg/L | | 0.3 | | 0.001 | 0.014 | 0.003 | 0.007 | 0.003 | 0.002 | 0.007 | 0.008 | 0.055 | 0.050 | 0.089 |
| Manganese | mg/L | | 0.05 | | 0.0005 | 0.0014 | 0.0005 | 0.0005 | 0.0005 | <0.0005 | 0.0008 | 0.0010 | 0.0018 | 0.0018 | 0.0029 |
| Molybdenum | mg/L | | | | 0.0005 | 0.0006 | 0.0013 | <0.0005 | 0.0005 | 0.0011 | 0.0012 | 0.0013 | 0.0012 | 0.0011 | 0.0010 |
| Nickel | mg/L | | | | 0.0005 | 0.0007 | 0.0009 | 0.0014 | 0.0006 | 0.0006 | 0.0006 | 0.0008 | 0.0011 | <0.0005 | <0.0005 |
| Zinc | mg/L | | 5 | | 0.0005 | 0.0091 | 0.0013 | 0.0044 | 0.0014 | 0.0014 | 0.0019 | 0.0018 | 0.0006 | <0.0005 | <0.0005 |

Schedule 13 - Chemical Parameters

| | | | | | | | | | | | | | | | |
|------------------------------------|------|------------------|------------------|------------------------|-----------|-------|--------------------|-------|-------|-------|--------------------|--------------------|------|------|-------|
| Fluoride | mg/L | 1.5 | | 0.5 - 0.8 ³ | 0.03/0.02 | 0.73 | 0.66 | 0.07 | 0.71 | 0.12 | 0.64 | 0.63 | 0.57 | 0.57 | 0.57 |
| Nitrate Nitrogen | mg/L | 10 | | | 0.01/0.04 | 0.67 | 0.41 | 1.05 | 1.82 | 0.33 | 0.40 | 0.39 | 0.41 | 0.42 | 0.42 |
| Nitrite Nitrogen | mg/L | 1 | | | 0.02/0.01 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.2 | 0.02 | <0.02 |
| Sodium | mg/L | 20 ⁴ | 200 ⁵ | | 0.05/1.0 | 41.5 | 16.2 | 152 | 52.3 | 43.2 | 17.0 | 16.2 | 15.8 | 15.3 | 15.0 |
| Turbidity | NTU | 1 ⁶ | 5 ⁷ | | 0.05 | 0.09 | 0.09 | 0.12 | 0.10 | 0.11 | 0.10 | 0.11 | 0.28 | 0.31 | 0.41 |
| Bromodichloromethane ⁹ | µg/L | | | | 0.10 | 10.7 | 7.1 | 4.5 | 4.1 | 6.5 | 10.3 | 8.0 | 5.7 | 5.6 | 5.2 |
| Bromoform ⁹ | µg/L | | | | 0.20 | 0.4 | 0.6 | 0.9 | 3.0 | 6.5 | 0.8 | 0.6 | 0.3 | 0.3 | 0.2 |
| Chloroform ⁹ | µg/L | | | | 0.10 | 23.7 | 11.7 | 5.1 | 1.7 | 2.6 | 18.6 | 12.3 | 7.2 | 7.4 | 6.8 |
| Dibromochloromethane ⁹ | µg/L | | | | 0.20 | 3.8 | 4.4 | 4.2 | 6.6 | 11.7 | 6.1 | 4.9 | 2.7 | 2.7 | 2.5 |
| Total THMs | µg/L | 100 ⁸ | | | 0.20 | 39.4 | 28.1 ¹⁰ | 15.4 | 17.3 | 28.5 | 28.1 ¹⁰ | 28.1 ¹⁰ | 15.3 | 15.4 | 14.1 |
| 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 | | | | 12.0 | 6.3 | <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 | | 5.1 | | | | 6.9 | 5.1 | <5.0 | <5.0 | <5.0 |
| Total HAAs | µg/L | 80 | | | 5.0 | | 8.9 ¹⁰ | | | | 8.9 ¹⁰ | 8.9 ¹⁰ | <5.0 | <5.0 | <5.0 |

Schedule 23 - Inorganic Parameters

| | | | | | | | | | | | | | | | |
|----------|------|-------|--|--|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 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:

- This is an internal Halton Region guideline and is not reportable to the Ministry of the Environment, Conservation and Parks (MECP) if adverse.
- 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.
- This guideline applies only when Fluoride is added. Campbellville and well based Milton do not have Fluoride added to the water supply.
- 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.
- At 200 mg/L, MECP Aesthetic Objective.
- This standard applies to treated water entering the distribution system.
- This objective applies to water in the distribution system.
- This standard applies to a running annual average for all distribution sites, as per MECP calculation.
- This result is based on an annual average.
- 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