

CDWG=Canadian Drinking Water Guidelines
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration
AO= Aesthetic Objective.

Red font indicates non-compliance with Canadian Drinking Water Guidelines

	Units	CDWG		April 20 2005	May 17 2006	May 22 2007	May 27 2008	May 13 2009	May 18 2010	May 18 2011	May 23 2012	June 5 2013	May 13 2014	May 19 2015	May 10 2016	May 8 2017
Miscellaneous Inorganics																
Fluoride	mg/L	1.5	MAC	<1.0	0.1	<1.0	<1.0	<1.0	<1.0	<1.0	0.08	0.08	0.1	0.093	0.087	0.096
Alkalinity (total as CaCO)	mg/L			140	150	130	130	130	130	130	<20	130	130	123	133	134
Anions																
Dissolved Sulphate	mg/L	500	AO	6.8	9.1	8.4	7.3	8.3	8.3	8.5	8.7	8.6	8.2	8.09	7.98	8.52
Dissolved Chloride	mg/L	250	AO	4.4	6.6	10.7	14.9	23.4	32.2	39.6	48.2	79	54.5	62	65	70
Nitrite	mg/L	1	MAC	<0.1	<0.01	<0.1	<0.1	0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.0050	<0.0050	<0.0050
Miscellaneous																
Apparent Colour	Colour Unit			<5	<5	14	<5	8	19	<5	3	7	<5	<5	10	10
Nutrients																
Total Ammonia	mg/L										0.04	0.02	<0.02	0.018	0.0097	0.085
Physical Properties																
Conductivity	µS/cm			283	286	300	318	340	385	395	60	416	440	464	483	480
pH	pH	7.0:10.5	AO	8.1	8.3	8.2	8.24	8.2	8.2	8.2	8.3	8.1	8.2	8.17	8.19	8.23
TDS	mg/L	500	AO	150	167	164	186	222	224	226	252	258	254	242	264	316
Turbidity	NTU			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	0.19	0.2	0.16
Microbiological Parameters																
E.coli	MPN/100mL	<1	MAC		<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Coliforms	MPN/100mL	<1	MAC	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Calculated Parameters																
Total Hardness (CaCO)	mg/L			130	130	140	130	160	150	140	170	180	170	171	173	221
Nitrate	mg/L	10	MAC	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.020	<0.020	<0.020
Elements																
Total Mercury	mg/L	0.001	MAC	<0.0002	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Metals																
Total Aluminum	mg/L	0.1	OG	<0.005	<0.005	<0.005	<0.05	<0.005	0.01	<0.005	<0.005	<0.005	<0.025	<0.003	<0.003	<0.003
Total Antimony	mg/L	0.006	MAC	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.002	0.0017	0.0017	0.004	0.0017	0.0016	0.0016	0.0018	0.0018	0.00171	0.00159	0.00163	0.00192
Total Barium	mg/L	1	MAC	0.018	0.018	0.019	0.02	0.021	0.022	0.025	0.024	0.028	0.0264	0.0278	0.03	0.0349
Total Beryllium	mg/L										<0.00004	<0.00004	<0.00025	<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L										<0.001	<0.0010	<0.0005	<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.033	0.033	0.038	<0.02	0.04	0.042	0.065	0.048	0.052	0.051	<0.05	0.052	0.064
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.0003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.00001	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.0005	<0.0005	<0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0005	<0.001	<0.001	<0.001
Total Cobalt	mg/L										0.00005	0.00003	<0.0005	<0.0005	<0.0005	<0.0002
Total Copper	mg/L	1	AO	0.006	0.001	0.005	<0.005	0.004	0.005	0.003	0.005	0.005	0.0043	0.0015	0.00237	0.00616
Total Iron	mg/L	0.3	AO	<0.1	<0.1	<0.1	<0.05	<0.01	<0.01	0.02	<0.01	0.027	0.031	0.024	0.0148	0.0167
Total Lead	mg/L	0.01	MAC	0.0005	<0.0001	0.0002	<0.0005	0.0001	0.0002	0.0002	<0.0001	0.0018	0.0006	0.0004	<0.0002	<0.0002
Total Manganese	mg/L	0.05	AO	0.01	0.014	0.014	0.018	0.0222	0.0208	0.015	0.015	0.0109	0.011	0.0169	0.0174	0.0084
Total Molybdenum	mg/L										0.0009	0.0012	0.00093	<0.001	<0.001	0.0012
Total Nickel	mg/L							<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.001	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	<0.0002	<0.0002	<0.0002	0.003	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0001	<0.0001	<0.0001
Total Silicon	mg/L										6.45	6.85	6.77	6.86	7.4	9.3
Total Silver	mg/L							<0.00001	<0.00001	<0.00001	<0.00001	0.00002	<0.00025	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L										0.34	0.345	0.302	0.316	0.359	0.396
Total Thallium	mg/L										<0.00001	<0.00001	<0.00005	<0.00005	<0.00005	<0.00001
Total Tin	mg/L										<0.0001	0.0003	<0.0005	<0.005	<0.005	0.005
Total Titanium	mg/L										0.003	<0.0010	<0.0025	<0.005	<0.005	0.005
Total Uranium	mg/L	0.02	MAC	<0.0005	<0.0005	<0.0005	<0.002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.00033	0.00034	0.00035	0.00039
Total Vanadium	mg/L										0.0003	0.0003	<0.0005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	0.006	0.003	0.011	<0.005	0.01	0.009	0.004	0.001	0.003	0.0246	<0.005	<0.005	<0.005
Total Zirconium	mg/L													<0.0005	<0.0005	<0.0001
Total Calcium	mg/L			32	32.4	34.4	31.2	40	38.7	35.6	42.8	44.3	42.2	44.8	43	56.5
Total Magnesium	mg/L			11.6	11	12.2	11.4	13.8	13.9	13.6	15.5	15.8	14.9	14.3	15.9	19.4
Total Potassium	mg/L			0.8	1	1.1	1	1.4	1.2	1.3	13	1.54	1.2	1.31	1.45	1.78
Total Sodium	mg/L	200	AO	11	11.4	12.7	13.8	14.7	16.1	17.2	17.8	21.8	22.1	20.9	23.6	29.6
Total Sulphur	mg/L													<3.0	3.2	3.5