

Westerne Heights Distribution Water Analysis

CDWG=Canadian Drinking Water Guidelines

MAC=Maximum Acceptable Concentration

OG= Operational Guidance Value

AO= Asthetic Objective.

Orange font indicates non-compliance with the Aesthetic Objective in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

	Units	CDWG		May 8 2017	May 7 2018	May 13 2019	May 25 2020	May 6 2021	May 19 2022	May 25 2023	May 9 2024	May 27 2025
Miscellaneous Inorganics												
Fluoride	mg/L	1.5	MAC	0.03	0.031	0.026	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Alkalinity (total as CaCO)	mg/L			42.7	39.9	45.1	42	44	40	41	42	42
Anions												
Dissolved Sulphate	mg/L	500	AO	1.91	2.7	3.2	1.9	1.7	2.2	1.7	1.6	2.7
Dissolved Chloride	mg/L	250	AO	2.6	2.8	3.3	2.7	2.9	3.4	2.6	3.5	2
Nitrite	mg/L	1	MAC	<0.0050	<0.0050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Miscellaneous												
Apparent Colour	Colour Unit			10	5	<2	10	10	<5	<5	<2	2.2
Nutrients												
Total Ammonia	mg/L			0.095	0.35	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Physical Properties												
Conductivity	µS/cm			93.3	93	95.2	93	94	90	97	98	96
pH	pH	7.0:10.5	AO	7.8	7.74	7.41	7.65	7.57	7.31	7.19	7.24	7.52
TDS	mg/L	500	AO	62	56	68	58	68	56	54	64	52
Turbidity	NTU			0.13	0.18	0.2	0.23	0.64	0.29	0.13	0.16	0.19
Microbiological Parameters												
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	0	0	0	0	0	0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	0	0	0	0	0	0	0
Calculated Parameters												
Total Hardness (CaCO)	mg/L			45.1	38.9	40.5	39.5	39.9	37.4	40.3	38.6	40.1
Nitrate	mg/L	10	MAC	0.113	0.116	0.105	0.1	0.101	0.119	0.139	0.136	0.119
Elements												
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.000002	0.0000029	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Total Metals												
Total Aluminum	mg/L	0.1	OG	<0.003	<0.003	<0.003	<0.003	0.0059	<0.003	<0.003	<0.003	<0.0030
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00050
Total Arsenic	mg/L	0.01	MAC	<0.0001	<0.0001	<0.0001	0.00011	0.00021	<0.0001	0.0001	<0.0001	<0.00010
Total Barium	mg/L	1	MAC	0.0015	0.0012	0.0013	0.0013	0.0015	0.0015	0.0014	0.0012	0.0012
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
Total Boron	mg/L	5	MAC	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.050
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000010
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
Total Cobalt	mg/L			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020
Total Copper	mg/L	1	AO	0.00863	0.00424	0.00348	0.00459	0.00685	0.00411	0.00389	0.00589	0.00505
Total Iron	mg/L	0.3	AO	0.0867	0.0879	0.0993	0.184	0.584	0.109	0.0867	0.0739	0.0916
Total Lead	mg/L	0.01	MAC	0.00134	<0.0002	<0.0002	<0.0002	0.00024	<0.0002	<0.0002	0.00045	0.00064
Total Manganese	mg/L	0.02 0.12	AO MAC	0.0035	0.0028	0.0031	0.0038	0.0049	0.0029	0.0027	0.004	0.0035