

TOWNSHIP OF HURON-KINLOSS

DRINKING WATER - AESTHETIC AND HEALTH-RELATED CHEMICAL RESULTS

Chemical testing of all treated drinking water in Huron-Kinloss was conducted as outlined in Ontario Regulation 170/03 - Schedule 13, and the Ministry of the Environment, Conservation and Parks (MECP) *Technical Support Document for Ontario Drinking Water Standards, Objectives and Guidelines, June 2006*. All testing was performed by SGS Environmental Services Laboratories in accordance with all regulatory requirements.

HEALTH-RELATED PARAMETERS

Water Supply	Arsenic (µg/L)	Barium (µg/L)	Fluoride (mg/L)	Sodium (mg/L)
Point Clark	5.4*	25.5	2.05	25.3
Blairs Grove	3.1	4.4	1.70	100
Murdoch Glen	1.6	26.7	2.09	63.2
Huronville South	0.4	26.8	2.05	54.3
Ripley Pumphouse	5.1*	79.4	1.99	32.1
Ripley Elevated Tank	0.9	126	1.97	30.0
Lucknow Well 4	5.2*	304	1.69	11.1
Lucknow Well 5	5.8*	321	1.59	12.8
Whitechurch	0.3	971*	1.09	17.9
MAC	10	1000	1.5	20
HALF-MAC	5	500	N/A	N/A

*Tested quarterly (every 3 months) as per O. Reg. 170/03 - Sch 13-5 - Increased Frequency

AESTHETIC PARAMETERS

Water Supply	Total Dissolved Solids (mg/L)	Sulphate (mg/L)	Hardness		Iron (µg/L)
			(mg/L as CaCO ₃)	(Grains/Gallon)	
Point Clark	534	170	308	18.0	311
Blairs Grove	1350	620	765	44.6	581
Murdoch Glen	511	170	246	14.4	102
Huronville South	494	170	237	13.8	150
Ripley Pumphouse	377	83	212	12.4	197
Ripley Elevated Tank	294	64	220	12.8	Not tested
Lucknow Well 4	280	31	206	12.0	132
Lucknow Well 5	274	31	209	12.2	264
Whitechurch	354	23	292	17.0	744
AO/OG	500	500	80 - 100	4.67 - 5.84	300

MAC: Maximum Allowable Concentration
 HALF-MAC: Half-Maximum Allowable Concentration
 AO/OG: Aesthetic Objective/Operational Guideline

Sample dates: Lakeshore: Arsenic (quarterly at PC); Barium: Jun 28, 2021; Fluoride: Sep 6, 2022; Sodium: Jul 27, 2021
 Ripley Pumphouse: Arsenic (quarterly); Barium: Jun 21, 2021; Fluoride: Sep 6, 2022; Sodium: Jul 27, 2021
 Ripley Elevated Tank: Arsenic and Barium: Jan 8, 2020; Fluoride: Sep 6, 2022; Sodium: Jul 27, 2021
 Lucknow: Arsenic (quarterly) and Barium: Jun 22, 2021; Fluoride: Sep 6, 2022; Sodium: Jul 27, 2021
 Whitechurch: Arsenic: Sep 12, 2022; Barium (quarterly); Sodium: Jan 8, 2018; Fluoride: Nov 18, 2019