Englishman River Distribution Water Analysis
1969 Kaye Road

CDWG=Canadian Drinking Water Guidelines
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration
AO= Asthetic 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						
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						
Alkalinity (total as $CaCO_3$)	mg/L			140	150	130	130	130	130	130	<20	130						
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						
Dissolved Chloride	mg/L	250	AO	4.4	6.6	10.7	14.9	23.4	32.2	39.6	48.2	79						
Nitrite	mg/L	1	MAC	<0.1	<0.01	<0.1	<0.1	0.1	<0.1	<0.1	<0.05	<0.05						
Miscellaneous																		
Apparent Colour	Colour Unit			<5	<5	14	<5	8	19	<5	3	7						
Nutrients																		
Total Ammonia	mg/L										0.04	0.02						
Physical Properties																		
Conductivity	µS/cm			283	286	300	318	340	385	395	60	416						
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						
TDS	mg/L	500	AO	150	167	164	186	222	224	226	252	258						
Turbidity	NTU			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5						
Microbiological Parameters																		
E.coli	MPN/100mL	<1	MAC		<1	<1	<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						
Calculated Parameters																		
Total Hardness ($CaCO_3$)	mg/L			130	130	140	130	160	150	140	170	180						
Nitrate	mg/L	10	MAC	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05						
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						
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						
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						
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						
Total Barium	mg/L	1	MAC	0.018	0.018	0.019	0.02	0.021	0.022	0.025	0.024	0.028						
Total Beryllium	mg/L										<0.00004	<0.00004						
Total Bismuth	mg/L										<0.001	<0.0010						
Total Boron	mg/L	5	MAC	0.033	0.033	0.038	<0.02	0.04	0.042	0.065	0.048	0.052						
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						
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						
Total Cobalt	mg/L										0.00005	0.00003						
Total Copper	mg/L	1	AO	0.006	0.001	0.005	<0.005	0.004	0.005	0.003	0.005	0.005						
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						
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						
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						
Total Molybdenum	mg/L										0.0009	0.0012						
Total Nickel	mg/L							<0.001	<0.001	<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						
Total Silicon	mg/L										6.45	6.85						
Total Silver	mg/L							<0.00001	<0.00001	<0.00001	<0.00001	0.00002						
Total Strontium	mg/L										0.34	0.345						
Total Thallium	mg/L										<0.00001	<0.00001						
Total Tin	mg/L										<0.0001	0.0003						
Total Titanium	mg/L										0.003	<0.0010						
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						
Total Vanadium	mg/L										0.0003	0.0003						
Total Zinc	mg/L	5	AO	0.006	0.003	0.011	<0.005	0.01	0.009	0.004	0.001	0.003						
Total Zirconium	mg/L																	
Total Calcium	mg/L			32	32.4	34.4	31.2	40	38.7	35.6	42.8	44.3						
Total Magnesium	mg/L			11.6	11	12.2	11.4	13.8	13.9	13.6	15.5	15.8						
Total Potassium	mg/L			0.8	1	1.1	1	1.4	1.2	1.3	13	1.54						
Total Sodium	mg/L	200	AO	11	11.4	12.7	13.8	14.7	16.1	17.2	17.8	21.8						
Total Sulphur	mg/L																	