



Fairwinds Distribution Water Analysis Results

Location: 3500 Fairwinds Drive

Canadian Drinking Water Guidelines Package
 *2001 Sample Collected at 3541 Shelby Lane
 #Second 2010 Sample Collected at 3429 Redden Road



MAC=Maximum Acceptable Concentration IMAC=Interim Maximum Acceptable Concentration AO=Aesthetic Objective
 CDWG=Canadian Drinking Water Guidelines BCAWQG=British Columbia Approved Water Quality Guidelines

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Parameters	Water Quality Guidelines				14-Apr 2000	28-Jun 2001*	6-Mar 2002	23-Apr 2003	2004	20-Apr 2005	17-May 2006	22-May 2007	27-May 2008	13-May 2009	18-May 2010	18-May 2010#
	Units	CDWG	BCAWQG													
Color	CU	15	<=15	AO	15	12	13	10	24	20	28	19	24	55	19	7
Conductivity	uS		700	MAC	291	352	327	355	376	380	386	352	380	394	354	360
TDS	mg/L	500	<=500	AO	211	193	193	187	210	200	260	200	250	258	234	224
Hardness (CaCO3)	mg/L	80-100	<=500	AO	88	109.8	108	110.4	110	110	110	120	100	120	120	120
pH	pH units	6.5-8.5	6.5-8.5	AO	7.35	7.63	7.53	7.58	7.8	7.7	7.7	7.4	7.86	7.8	7.7	7.7
Turbidity	NTU's	5	1	MAC	1.1	0.15	0.4	0.38	0.9	1	0.9	<0.5	1.2	1.5	0.9	<0.5
Alkalinity	mg/L				151	138	138	142	140	150	150	150	140	140	140	140
Chloride	mg/L	250	<=250	AO	12.5	21.9	21.52	17.16	25.6	27.9	29.4	20.6	28.7	35.6	20.1	20.7
Fluoride	mg/L	1.5	1.5	MAC	0.12	0.17	0.19	0.12	<1.0	<1.0	0.2	<1.0	<1.0	<1.0	<1.0	<1.0
Sulfate	mg/L	500	<=500	AO	0.5	1.26	0.91	1.36	16.8	<2	2.6	2.9	3.4	4.5	4.6	4.5
Nitrate	mg/L	10	10	MAC	0.33	0.053	0.03	0.17	<0.1	<0.1	0.02	<0.1	<0.1	0.1	<0.1	<0.1
Nitrite	mg/L	1			0.068	0.309	0.03	<0.01	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1
T-Aluminum	mg/L		0.2	MAC		0.015	<0.009	0.006	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	0.01	0.008
T-Antimony	mg/L		0.006	MAC		<0.006	<0.006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002
T-Arsenic	mg/L	0.025	0.025	IMAC	0.001	<0.01	<0.01	0.0009	0.0015	0.001	0.0014	0.0009	<0.001	0.0013	0.001	0.0008
T-Barium	mg/L	1.0	1	MAC	0.005	0.0049	0.0079	0.006	0.007	0.007	0.007	0.007	0.006	0.007	0.007	0.005
T-Boron	mg/L	5.0	5	MAC	0.1	0.071	0.074	0.081	0.085	0.07	0.07	0.075	0.06	0.071	0.071	0.063
T-Cadmium	mg/L	0.005				<0.0006	<0.0006	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0003	<0.00001	<0.00001	<0.00001
T-Calcium	mg/L					27.3	27.4	26.9	28.1	28.1	26.9	29.5	25	31.2	29.2	28.9
T-Chromium	mg/L	0.05	0.05	MAC		<0.009	<0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.003	<0.0004	0.0005	<0.0004
T-Copper	mg/L	1.0	<=1	MAC		0.002	0.003	0.005	0.006	0.006	0.004	0.003	<0.005	0.002	0.004	0.003
T-Iron	mg/L	0.3	<=0.3	AO	0.170	0.107	0.686	0.300	0.500	0.500	0.500	0.600	0.510	0.470	0.556	0.093
T-Lead	mg/L	0.01	0.01	MAC		<0.002	0.003	0.0004	0.0003	0.0005	0.0001	0.0001	<0.0005	0.0001	0.0001	0.0001
T-Lithium	mg/L													<0.001	<0.001	<0.001
T-Magnesium	mg/L		<=700	AO	9.24	10.1	9.61	10.5	10.4	10.6	9.5	10.8	9.5	10.9	10.5	10.4
T-Manganese	mg/L	0.05	<=0.05	AO	0.1100	0.0796	0.2590	0.1010	0.1860	0.1900	0.1820	0.2240	0.2200	0.2280	0.2090	0.044
T-Mercury	mg/L	0.001	0.001	MAC		<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01
T-Nickel	mg/L													<0.001	<0.001	<0.001
T-Phosphorus	mg/L													0.776	0.777	0.635
T-Potassium	mg/L					2.4	2.6	2.5	2.6	2	2.6	2.5	2.4	2.7	2.6	2.5
T-Selenium	mg/L	0.01	0.01	MAC		0.013	<0.002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.003	<0.0006	<0.0006	<0.0006
T-Silver	mg/L													<0.00001	<0.00001	<0.00001
T-Sodium	mg/L	200	<=200	AO		29.8	31	28.6	36	36	34.8	31.6	35	40.7	31.6	31.8
T-Uranium	mg/L	0.1	0.1	MAC		<0.06	<0.02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0004	<0.0004	<0.0004
T-Zinc	mg/L	5	<5	AO	0.009	0.0037	0.0046	0.007	0.007	0.006	0.006	0.01	0.007	0.006	0.003	0.004
Total Coliform	cfu/100ml	<1	<1	cfu/100ml	<1	<1	n/a	n/a	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0
Fecal Coliform	cfu/100ml	<1	<1	cfu/100ml	<1	<1	n/a	n/a	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0
E.coli	cfu/100ml	<1	<1	cfu/100ml										<1.0	<1.0	<1.0
Tannins & Lignins					n/a	n/a	0.15	n/a	n/a	n/a	n/a					
Trihalomethanes	mg/l	0.1		MAC	n/a	n/a	n/a	n/a	n/a	n/a	0.044					