

Entering Distribution from Water Plant	RANDOM Field sampling daily		1- Random Bacterial sample weekly	Raw Water cubic meters produced		Water hardness March & September mg/l No Guideline (One grain of hardness equals 17.1 mg/l)	IRON mg/l Guideline:0.3	MANGANESE mg/l Guideline: 0.05	SODIUM mg/l Guideline:200
Grab Free Chlorine mg/L 0.20 - 4.00 mg/l	Free Chlorine 0.10 - 4.00 mg/L	NTU maximum 5.00	total coliform and fecal coliform						
Jan-15									
				5448.00	Total for month	N/A	N/A	N/A	N/A
0.88	0.37	0.12		76.00	min daily				
1.11	1.01	0.33		291.00	max daily				
1.01	0.80	0.23	absent	175.74	average daily				
Feb-15									
				5690.00	Total	N/A	N/A	N/A	N/A
0.80	0.61	0.11		102.00	min				
1.13	1.05	0.23		347.00	max				
0.95	0.82	0.17	absent	203.21	average				
Mar-15									
				5656.00	Total	183	<0.03	<0.01	17
0.92	0.50	0.10		148.00	min				
1.11	0.99	0.19		254.00	max				
1.00	0.86	0.15	absent	182.45	average				
Apr-15									
				8618.00	Total	N/A	N/A	N/A	N/A
0.93	0.61	0.23		114.00	min				
1.28	1.11	0.45		486.00	max				
1.05	0.91	0.31	absent	287.27	average				
May-15									
				14027.00	Total	N/A	N/A	N/A	N/A
0.97	0.77	0.15		303.00	min				
1.27	1.08	0.50		676.00	max				
1.09	0.92	0.28	absent	452.50	average				
Jun-15									
				17918.3	Total	N/A	N/A	N/A	N/A
0.71	0.58	0.13		365.0	min				
1.14	1.05	0.26		928.0	max				
0.98	0.82	0.18	absent	597.3	average				
Jul-15									
				16458.0	Total	N/A	N/A	N/A	N/A
0.78	0.60	0.09		345.0	min				
1.14	1.01	0.16		836.0	max				
0.97	0.81	0.14	absent	530.9	average				
Aug-15									
				14559.0	Total	N/A	N/A	N/A	N/A
0.89	0.68	0.12		291.0	min				
1.11	0.97	0.17		861.0	max				
0.99	0.87	0.14	absent	469.6	average				

Notes:

Raw water is for all locations combined.

Free chlorine is the residual left in the water after at least 20 minutes of contact time. We are required to maintain this at a minimum of 0.30 mg/l by environment.

Ntu is the particles left in the water. The plant must be below 0.30 Ntu and the distribution system must be below 5.00 Ntu.

Water harness tests are conducted 1 summer 1 winter.

We do 1 Bacti per week as per our requirements. As this is a free lab test conducted by the government through the Provincial Lab in Calgary we are limited to how many we can send in. It is population and pipeline sized based. We do take an extra sample periodically as we are allowed.