

## 2010 ANNUAL ANALYSIS OF CEDAR & TOLT WATER SUPPLIES

Distribution Water Quality *(unless otherwise noted)*  
 Samples Collected: June 8, 2010 *(unless otherwise noted)*

Cedar Distribution = South of the ship canal & lower elevations North of ship canal.

Tolt Distribution = Higher elevations North of the ship canal.

Water Quality Parameter	State Dept. of Health Maximum Contaminant Level	CEDAR	TOLT	Minimum Reporting Level
Primary Standards *	MCL			
Antimony	6 µg/L	ND	ND	0.5
Arsenic	10 µg/L	ND	ND	0.5
Asbestos \$	7 million fibers/L (>10um long)	ND (2009)	ND (2009)	0.2
Barium	2000 µg/L	2.1	2.0	0.2
Beryllium	4 µg/L	ND	ND	0.2
Bromate #	10 µg/L	ND (6/02/10)	ND(6/03/10)	5.0
Cadmium	5 µg/L	ND	ND	0.2
Chromium	100 µg/L	ND	ND	1.0
Cyanide	200 µg/L	ND	ND	10
Fluoride	4 mg/L	0.96	1.04	0.10
Haloacetic Acids(5), Total~	60 µg/L	20	28	1.0
Mercury	2 µg/L	ND	ND	0.2
Nickel	100 µg/L	ND	ND	0.5
Nitrate-Nitrogen	10 mg/L	0.019	0.130	0.01
Nitrite-Nitrogen	1 mg/L	ND	ND	0.002
Selenium	50 µg/L	ND	ND	0.8
Thallium	2 µg/L	ND	ND	0.2
Trihalomethanes, Total~	80 µg/L	28	33	0.5
Turbidity #	5 NTU for Cedar/ 0.30 NTU for Tolt	0.29	0.11	0.05
Secondary Standards **	SMCL			
Aluminum	50 - 200 µg/L	12	30	1.0
Chloride	250 mg/L	3.6	2.8	0.5
Color	15 std. units	ND	ND	5
Fluoride	2 mg/L	0.96	1.04	0.10
Iron	300 µg/L	66	41	6
Manganese	50 µg/L	3.4	0.7	0.5
pH, range ++	6.5 - 8.5 pH units	7.73 - 8.58	8.26 - 8.48	NA
Silver	100 µg/L	ND	ND	0.8
Solids, Total Dissolved	500 mg/L	40.8	38.8	5.0
Specific Conductance	700 µmhos/cm	66.2	65.2	5.0
Sulfate	250 mg/L	1.4	1.9	1.0
Zinc	5000 µg/L	ND	ND	0.8
Other Parameters	Units			
Alkalinity, Total	mg/L (as CaCO <sub>3</sub> )	20.2	19.2	2.0
Bromide	µg/L	ND	ND	5
Calcium	mg/L (as CaCO <sub>3</sub> )	23.0	25.9	2.0
Copper, Source water	µg/L	0.8	ND	0.5
Hardness	mg/L (as CaCO <sub>3</sub> )	26.9	27.4	2.0
Hardness	grains/gal. (as CaCO <sub>3</sub> )	1.55	1.58	0.1
Lead, Source water	µg/L	ND	ND	0.2
Magnesium	mg/L	0.94	0.37	0.01
Oxygen, Dissolved	mg/L	11.8	18.0	0.5
Phosphate, soluble-reactive	µg/L	1.6	2.2	1
Potassium	mg/L	0.26	0.14	0.02
Silica, Reactive	mg/L	7.9	5.4	1.0
Sodium	mg/L	1.90	1.32	0.08
Temperature, normal annual range	deg. C.	4.6 - 23	3.3 - 22	NA
Total Organic Carbon #	mg/L	0.85	1.02	0.20
Residential Survey @	Action Level	Combined System		
2007 Lead Reduced Monitoring	15 µg/L	6.0		1.0
2007 Copper Reduced Monitoring	1300 µg/L	140		1.0

*Primary and Secondary Standards were measured at the Intake to the distribution system after treatment.*

\* Health stds.: Supplier subject to public notification.

\*\* Aesthetic stds.: Supplier not subject to public notification.

~ Average of the last 4 quarters testing, through 5/10.

ND = Not Detected at or above the Minimum Reporting Level

@ Measured at 90th percentile of overnight standing residential samples from homes with copper pipes and lead solder. Next round 9/2010.

++ January-June 2010, 10-90th percentile

\$ Test results 9/2/2009.

# As measured at treatment plant.

1 ppm = 1 mg/L = 1000 µg/L