

## 2007 ANNUAL ANALYSIS OF CEDAR & TOLT WATER SUPPLIES

Distribution Water Quality *(unless otherwise noted)*

Samples Collected: May 15, 2007 *(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 ug/L	ND	ND	1.0
Arsenic	50 ug/L	ND	ND	0.2
Asbestos \$	7 million fibers/L (>10um long)	ND	ND	0.2
Barium	2000 ug/L	1.9	2.2	0.2
Beryllium	4 ug/L	ND	ND	0.2
Bromate #	10 ug/L	ND (5/02/07)	ND (6/12/07)	5.0
Cadmium	5 ug/L	ND	ND	0.2
Chromium	100 ug/L	ND	ND	0.5
Cyanide	200 ug/L	ND	ND	10
Fluoride	4 mg/L	0.99	1.02	0.10
Haloacetic Acids(5), Total ~	60 ug/L	22	32	1.0
Mercury	2 ug/L	ND	ND	0.2
Nitrate-Nitrogen	10 mg/L	0.045 (7/11/07)	0.093 (7/12/07)	0.01
Nitrite-Nitrogen	1 mg/L	ND (7/11/07)	ND (7/12/07)	0.002
Selenium	50 ug/L	ND	ND	0.8
Thallium	2 ug/L	ND	ND	0.2
Trihalomethanes, Total~	80 ug/L	30	40	0.5
Turbidity #	5 NTU for Cedar/ 0.30 NTU for Tolt	0.44	0.14	0.05
Secondary Standards **	SMCL			
Aluminum	50 - 200 ug/L	20	38	1.0
Chloride	250 mg/L	4.3	3.0	0.5
Color	15 std. units	ND	ND	5.0
Fluoride	2 mg/L	0.99	1.02	0.10
Iron	300 ug/L	85	43	6
Manganese	50 ug/L	2.9	1.4	1.0
pH, range ++	6.5 - 8.5 pH units	7.98 - 8.36	8.20 - 8.94	NA
Silver	100 ug/L	ND	ND	0.2
Solids, Total Dissolved	500 mg/L	44.0	46.0	5.0
Specific Conductance	700 umhos/cm	67.4	68.7	5.0
Sulfate	250 mg/L	6.0	5.0	1.0
Zinc	5000 ug/L	ND	ND	0.8
Other Parameters	Units			
Alkalinity, Total (as CaCO <sub>3</sub> )	mg/L	20.1	20.2	2.0
Bromide	ug/L	ND	ND	5
Calcium, (as CaCO <sub>3</sub> )	mg/L	23.4	25.1	2.0
Copper, Source water	ug/L	6.4	ND	1.0
Hardness, (as CaCO <sub>3</sub> )	mg/L	26.5	26.9	2.0
Hardness, (as CaCO <sub>3</sub> )	grains/gal.	1.53	1.55	0.1
Lead, Source water	ug/L	ND	ND	0.2
Magnesium	mg/L	0.86	0.36	0.01
Nickel	ug/L	0.25	0.28	0.2
Oxygen, Dissolved	mg/L	11.9	17.0	0.5
Phosphate, soluble-reactive	ug/L	ND	ND	2
Potassium	mg/L	0.23	0.13	0.02
Silica, Reactive	mg/L	7.0	5.5	1.0
Sodium	mg/L	2.29	1.83	0.08
Temperature, normal annual range	deg. C.	5 - 20	5 - 20	NA
Total Organic Carbon #	mg/L	0.96	1.03	0.20
Residential Survey @	Action Level	Combined System		
2006 Lead Reduced Monitoring	15 ug/L	5.3		1.0
2006 Copper Reduced Monitoring	1300 ug/L	130		1.0

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

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

++ January-June 2007, 10-90th percentile

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

\$ Test results 12/15/95 - To be analyzed in 2007.

~ Average of the last 4 quarters testing, through 6/07.

# As measured at treatment plant.

ND = Not Detected at or above the Minimum Reporting Level

1 ppm = 1 mg/L = 1000 ug/L

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