

**City of Everett
2006 Water Quality Summary**

**Table 1
Primary Standards
(Mandatory Health-Related Standards)
Physical Parameters, Bacteria, Inorganics, Disinfection By-products, Radionuclides
Established by the Washington Department of Health and the USEPA**

Unless otherwise noted, values listed are for samples collected after treatment and at the entry point to the water distribution system.

PARAMETER	UNIT	MAXIMUM CONTAMINANT LEVEL	2006 RANGE OF RESULTS	2006 AVERAGE RESULT
Physical				
Turbidity (Treated Water)	NTU	0.1	0.04 - 0.08	0.05
Asbestos ¹	F/L >10µm	7 million	-	ND
Microbiological				
Total coliform bacteria ⁴	positive (present) or negative (absent)	5% positive per month	none	0.0%
Inorganic Chemicals				
Antimony	ppm	0.006	-	less than 0.001
Arsenic	ppm	0.010	-	less than 0.001
Barium	ppm	2.000	-	0.004
Beryllium	ppm	0.004	-	less than 0.001
Cadmium	ppm	0.005	-	less than 0.001
Chromium	ppm	0.1	-	less than 0.005
Copper ³	ppm	1.3	< 0.020 - 0.363	0.072
Lead ³	ppm	0.015	< 0.002 (0.063)	0.003
Mercury	ppm	0.002	-	less than 0.0002
Nickel	ppm	0.1	-	less than 0.001
Selenium	ppm	0.05	-	less than 0.005
Thallium	ppm	0.002	-	less than 0.001
Cyanide	ppm	0.2	-	less than 0.04
Fluoride ⁵	ppm	4.0	0.0 - 1.1	0.9
Nitrate (NO ₃)	ppm	10	0.044 - 0.166	0.099
Nitrite (NO ₂)	ppm	1	-	less than 0.002
Radionuclides				
Gross Alpha ⁶	pCi/L	15	-	less than 1.0
Gross Beta ⁶	pCi/L	50	-	less than 1.0
Radium-228 ⁶	pCi/L	5	-	less than 0.7
Chlorine By-products (also called Disinfection By-products or DBP's)				
Total Trihalomethanes (TTHM) ^{2,6,7}	ppm	0.080	0.026-0.039	0.034
Haloacetic Acids (5) ^{2,6,7}	ppm	0.060	0.017-0.039	0.028

¹ Sample collected in 2002 from a service supplied by an asbestos concrete (AC) water main. Following an evaluation of the monitoring results, the state has issued a statewide monitoring waiver through 2010 for asbestos.

² Samples collected from a point in the area of longest residence time and three other locations in the Everett system.

³ Samples collected from 178 consumer taps. The highest lead and copper tap sample result in 90% of the tap samples collected is

⁴ Everett collected monthly total coliform bacteria samples at 105 locations in the water distribution system. No more than 5 percent per month (5%) can be coliform positive. In 2006, no bacteria were detected in the routine samples

⁵ Fluoride is monitored at the first tap downstream of the treatment plant. Fluoride also has a secondary MCL of 2.0 mg/L. Due to a nationwide fluoride chemical shortage during the summer of 2006 the City's plant did not feed fluoride for 4 days in July, 11 days in August and 6 days in September.

⁶ The average TTHM and HAA5 values are the highest average obtained in 2006 from the running annual average (RAA) of the quarterly results obtained at the four required sample locations.

⁷ Haloacetic Acids (5) or HAA5 = Sum of the concentrations of trichloroacetic acid, dichloroacetic acid, monochloroacetic acid, tribromoacetic acid, and dibromoacetic acid. There are five additional HAA compounds that are not regulated.

⁸ Samples collected during 2004.