

The Swinomish Tribal Community

The Swinomish Tribal Water System

Water Quality

Our goal is to always supply safe water to our customers. We are pleased to report on our efforts to meet this goal. This report contains detailed information about water quality and water testing completed between January 1, 2007 and December 31, 2007. In summary, the water we supplied met all Federal quality standards. We continue to monitor the water monthly for bacteria and conduct special studies for lead and copper contamination. The Utility Department and the Swinomish Tribal Community remain committed to ensuring the highest quality of drinking water.

Our Water System

The Swinomish Tribal Community buys water from the city of Anacortes. We then pipe the water throughout the Reservation to serve the Village and other Tribal neighborhoods. We also sell water to commercial customers and other neighborhood users. We have two backup emergency wells on Reservation Road. To distribute the water, we maintain storage tanks, pumps, and miles of pipeline.

Want To Know More?

If you have any questions about this report or concerning your water utility, please contact **John Petrich, Utility & Housing Director at 466-7223.**

We want our customers to be informed about their water utility. If you want to learn more, please attend any of the regularly scheduled meetings of the Utility Authority. The meeting announcements are posted at most tribal buildings.

The Skagit River is our source of water.

- For additional water quality information
- Environmental Protection Agency - Safe Drinking Water Hotline 800-426-4791
- EPA Web site www.epa.gov/safewater
- American Water Works Association Web site www.awwa.org
- City of Anacortes Water Department 428-1598
- Swinomish Tribal Utilities: 466-7223

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About Water Quality

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radio-active material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water before we treat it include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.

Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic waste water discharges, oil and gas production, mining or farming.

Pesticides and herbicides, which may come from a variety of sources such as agriculture and residential uses.

Radioactive contaminants, which are naturally occurring.

Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum

2007 Water Quality Data

The table below shows the results of our water quality analyses. Every regulated contaminant that we detected in the water, even the most minute traces, is listed here. The table contains the name of each contaminant, the highest level allowed by the regulations (MCL), the ideal goals for public

Microbiological Contaminants	MCL	MCLG	Date Detected	Result	Violation	Typical Source Contaminant
Coliform Bacteria	0	any positive	11/1/2007	Unsatisfactory	Yes	Naturally present

Lead & Copper	MCL	MCLG	Range Detected	Range of Detection	Number of Sites above AL	Typical Source of Contaminant
Copper (mg/l)	1.3	1.3	0.164 average	0.108-0-0.311	0	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood
Lead (µg/l)	15	.015	0.001	0.002-0.003	0	Corrosion of household plumbing systems, erosion of natural

This information below was provided by our supplier, The City of Anacortes. The data from samples collected in 2007:

Contaminants	MCL	MCLG	Level Detected	Range of Detection	Violation	Typical Source of Contamination
Total Trihalomethanes	80	0	26.63 average	17.7-31.8	none	By product of drinking water chlorination

Table Definitions:

Maximum Contaminant Level: The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal: The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Parts per Million (ppm) or Milligrams per liter (mg/l): Equivalent ratios of the contaminant in the water. By comparison 1 ppm would be like 1 penny in \$10,000.

Parts per billion (ppb) or

What does the data mean?

The table shows that while some contaminants were detected, The levels were well below the established standards for drinking water. We are in full compliance with the established regulatory standards for public water

supply operation. Our water quality reports are available for inspection at the Utility Office. We also have the current consumer confidence report from our supplier on file. Please contact our office if you would like to review

Our Monitoring Program

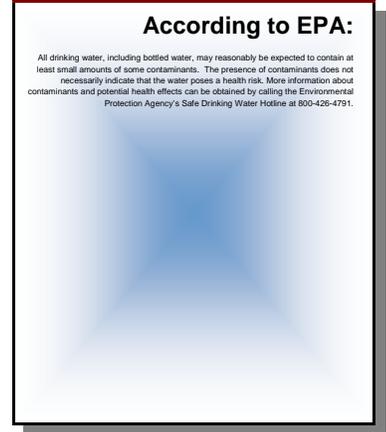
Every three years we tested our water for lead and copper, our supplier also tests over 80 contaminants, including solvents, pesticides, heavy metals, and other inorganic chemicals. Test for radiation are done every four years and nitrates are tested yearly. We collect and test samples every month for bacteria. Chemicals added to the water for treatment are tested daily.

A Monitoring Waiver

The Swinomish Tribal Water System received a monitoring waiver from the EPA for testing chemicals in our backup well supply. The EPA issued this waiver because our system has shown to be in past compliance and the wells are only used

infrequently during emergencies. The waiver saves valuable financial resources from our budget. The EPA routinely examines the waiver to insure that public health is not compromised. If the situation changes and the EPA deter-

mines that our water may be vulnerable to contamination, or the well source use is increased, we will then resume water quality monitoring for our back-up water supply wells.



Should I be concerned about lead?

Some customers who live in older homes may have plumbing components and fixtures that contain lead. Infants and young children are more at risk from lead contamination.

with Federal standards.

been standing in the pipes for several hours.

If you are concerned about elevated levels in the water in your home, you can minimize your exposure by:

Using only cold water for cooking, drinking, and making baby formula.

The Swinomish Water Department test for lead and copper in its drinking water every three years. Our test have been in compliance

Flushing your tap for 30 seconds to 2 minutes before using the water, particularly if the water has

Additional information is available from the Safe Drinking Water Hotline (1-800-426-4791)

Why does the water sometimes taste like chlorine?

Our water treatment process includes adding chlorine to kill bacteria. The drinking water regulations require that we keep a chlorine residual throughout our water distribution system. This insures that disinfection is accomplished throughout the system. Many factors influence

the level of chlorine in the water. These include; system maintenance, line flushing, fire hydrant maintenance, water temperature, and the quantity of water flowing through the pipes. Any of these may cause you to notice the smell or taste of chlorine. Water leaving our treatment

facility has a level of around 0.5 parts per million. We attempt to keep just a trace amount of chlorine residual, at the ends of the distribution system, to provide bacteria contamination protection for all customers

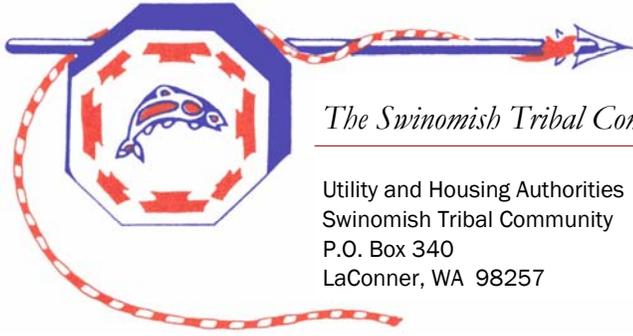
What about fluoride and water?

Fluoride is a naturally occurring chemical often found in water sources. Public health research has found that people who drink water containing optimal levels of fluoride have better dental health than consumers of fluoride deficient water. We adjust

the fluoride concentration in our water to optimal levels. We test the water daily for fluoride concentration and use our equipment to maintain the level at about 1.0 part per million throughout the distribution system. Our customers receive the

benefit of consuming water containing the optimum level of fluoride.

“Our customers receive the benefit of consuming water containing the optimum level of fluoride.”



The Swinomish Tribal Community

Utility and Housing Authorities
Swinomish Tribal Community
P.O. Box 340
LaConner, WA 98257

Phone: 360-466-7223
Fax: 360-466-7219

"We are committed to always supply safe water to our customers".

Our Goal Is To Provide Safe Water!

The Swinomish Tribal Community manages the water utility to provide valuable water service to community members and other customers. The tribal utility department will continue to maintain and monitor the water supply so that our goal, ***"to always supply safe water to our customers"*** is achieved. Please contact us if you have questions or if you would like more detailed informa-

Special Health Concerns:

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the *Safe Drinking Water Hotline* (800-426-4791).