CITY OF WASILLA

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1999 Drinking Water Quality Report

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. The State of Alaska will provide a source water protection plan by the year 2002 and a copy will be available from our office at that time. We are committed to ensuring the quality of your water. Our water is supplied by four independent wells ranging from 146 to 250 feet deep, drawing from a combination of aquifers. The Mission Hill well feeds into a 6,000 gallon pressure tank. Lacy Lane well feeds into a series of pressure tanks. The Iditarod well feeds into a 750,000 gallon storage reservoir. Spruce Avenue well feeds into a 1,300,000 gallon storage reservoir. Each of the wells is disinfected with chlorine solution. The Spruce Avenue and Iditarod systems are connected by a pressure activated valve.

If you have any questions about this report or concerning your water utility, please contact William W. Harvey at 373-9095**.** We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled City Council meetings. They are held on the second and fourth Monday of each month at City Hall located at 290 Herning Street.

The City of Wasilla routinely monitors for contaminants in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 1999 or the most recent monitoring results**.** As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects may be obtained by calling the EPA Safe Drinking Water Hotline (800-426-4791). 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).

In this table you will find many terms and abbreviations with which you might not be familiar. To help you better understand these terms we've provided the following definitions:

Non-Detects (ND) - laboratory analysis indicates that the contaminant is not present.
Parts per billion (ppb) or Micrograms per liter – corresponds to one part per billion parts.
Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
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.

TEST RESULTS for Spruce PWS # 224646						
Contaminant	MCL Violation	Level Detected	Unit Measurement	MCLG	MCL	Likely source of contamination to the best of our present knowledge
Inorganic Contaminants						
Copper July 1999	NO	276	ppb	1300	1300	Corrosion of household plumbing
Fluoride February 1993	NO	60	ppb	4000	4000	Erosion of natural deposits; water additive which promotes strong teeth
Nitrate July 1999	NO	959	ppb	10,000	10,000	Leaching from septic tanks, sewage
Volatile Organic Contaminants						
Trihalomethane July-	NO	6.5	ppb	0	100	By-product of water chlorination

TEST RESULTS for Mission Hills PWS # 223763						
Contaminant	MCL Violation	Level Detected	Unit Measurement	MCLG	MCL	Likely source of contamination to the best of our present knowledge
Inorganic Contaminants						
Arsenic March 1993	NO	9	ppb	n/a	50	Erosion of natural deposits
Copper July 1998	NO	468	ppb	1300	1300	Corrosion of household plumbing
Fluoride February 1993	NO	70	ppb	4000	4000	Erosion of natural deposits; water additive which promotes strong teeth
Lead July 1998	NO	6	ppb	0	AL=15	Corrosion of household plumbing

TEST RESULTS for Lacy Lane PWS # 224109						
Contaminant	MCL Violation	Level Detected	Unit Measurement	MCLG	MCL	Likely source of contamination to the best of our present knowledge
Inorganic Contaminants						
Arsenic May 1996	NO	6	ppb	n/a	50	Erosion of natural deposits
Barium May 1996	NO	25	ppb	2000	2000	Discharge of drilling wastes
Copper July 1998	NO	108	ppb	1300	1300	Corrosion of household plumbing
Lead July 1998	NO	8	ppb	0	AL=15	Corrosion of household plumbing
Volatile Organic Contaminants						
Trihalomethane July-	NO	12	ppb	0	100	By-product of water chlorination

As you can see by the tables, our system had no violations of the MCL's. We are proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected as indicated in our tables. The EPA has determined that your water is safe at these levels.

Waivers and/or non-detects:

There are many regulations pertaining to sampling and monitoring of our water system. Since we had a waiver for Synthetic Organic Contaminants, Asbestos, and Other Organic Contaminants, we did not test for them during the time period covered by this report. We tested for Total Coliform Bacteria and none were detected in our water system.

Additional Total Trihalomethanes (TTHM) Information:

As water flows over organic material such as decaying plants, it may dissolve substances that react with the disinfection chemical to produce trihalomethanes. The results of our water monitoring indicates our water has trihalomethanes levels below the maximum contaminant levels (MCL) set by EPA.

Additional Lead and Copper Information:

A small number of the households in our area are tested for lead and copper periodically. It is possible that lead or copper levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. Infants and young children are typically more vulnerable to lead in drinking water than the general population. If you are concerned about elevated lead or copper levels in your home's water, you may wish to have your water tested, and flush your tap for 30 seconds to 2 minutes before consuming tap water. Additional information is available from the Safe Drinking Water Hotline (1-800-426-4791).

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

We at the City of Wasilla work to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.


Quality
On Tap!
Our Commitment
Our Profession