



### Letter to our customers

Roats Water System is pleased to provide you with this annual Consumer Confidence Report. This report contains information about the source, maintenance, and analysis of your drinking water, including sampling results from last year.

The safety and reliability of water service is our top priority. You will see our personnel conducting fire hydrant maintenance, water main flushing, backflow prevention assembly testing, water quality sampling, and cross connection inspections. All of these maintenance programs are essential for providing our customers with quality water service.

It is our privilege to serve you. Please feel free to call our office with questions or visit us on our website.

Sincerely,

Casey Roats - Vice President

*Este informe contiene informacion muy importante sobre la calidad de su agua beber. Traduscalo o hable con alguien que lo entienda bien.*

### Your Drinking Water

Last year, as in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and state drinking water health standards. Roats Water vigilantly safeguards its water. Your drinking water comes from ground water. Our wellfields contain 4 wells that tap deep into the Deschutes Basin aquifer. The State of Oregon has completed a source water assessment for our water system, which includes a map, possible sources of contamination, and a review of the susceptibility of our water sources to contamination. This plan is available for public review. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791).

### Important Health Information

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, persons 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 microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

### Lead and Copper

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Roats Water System is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested.

Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

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, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water 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 wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- *Radioactive contaminants*, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in the water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

## Water Quality Data Table

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report or during the most recent testing period. The EPA or the state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk.

Variable	Units	MCLG	MCL or AL	Result	Sample Date	In Compliance?	Typical Source
Copper	mg/L	1.3	1.3	0.049	09/16/15	Yes	Corrosion of household plumbing
Lead	ppb	15	15	2.0	09/16/15	Yes	Corrosion of household plumbing
Fluoride	mg/L	4	4	0.23	09/14/17	Yes	Erosion of natural deposits
Arsenic	ppb	10	10	3.0	09/18/17	Yes	Erosion of natural deposits
Sodium	mg/L	Not regulated	Not regulated	9.3	08/10/15	Yes	Erosion of natural deposits

Term	Definition
ppb	Parts per billion, or micrograms per liter, number of micrograms of substance in one liter of water.
MCLG	Maximum Contaminant Level Goal: 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.
MCL	Maximum Containment Level: 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.
AL	Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
mg/L	Milligrams per liter: Number of milligrams of a substance in one liter of water.