

## Want Additional Information?

### Special Information Available

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-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.



Environmental Protection Agency/Center for Disease Control guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791) or [www.epa.gov/safewater/hfacts.html](http://www.epa.gov/safewater/hfacts.html).

### Non-Health Related Water Issues



For questions on issues such as water pressure, water leaks, staining, taste, odor or appearance, call David Schaffer, Public Works Superintendent, at (503) 674-3305. Public participation with regard to the City's water system is welcomed. For information regarding City Council meetings, please contact Debbie Stickney, City Recorder, at (503) 674-7237.

Provided by:  
City of Troutdale  
Water Division  
342 SW 4th Street  
Troutdale, OR 97060

### Water Quality Exceed Goals!

Again in 2010, the City of Troutdale's water quality was found to exceed all mandated Federal and State standards. The City had no violations and is not operating under any variance or exemption. This report summarizes the quality of water provided to our customers last year, along with additional information that you may find helpful, such as where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All 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 Safe Drinking Water Hotline at 1-800-426-4791. The City of Troutdale welcomes your questions and comments about this report and other matters concerning your water. Contact us by calling Public Works at (503) 674-3300 and ask for the Water Division.

### Where Your Water Comes From?

Your water comes from seven City-owned-and-operated groundwater wells within the City — drilled to various depths between 485 and 697 feet. The water is provided from two aquifers, known hydrologically as the Sand & Gravel Aquifer and the Troutdale Sandstone Aquifer.

### Source Water Assessment.

The 1996 Amendments to the Safe Drinking Water Act require that all states conduct Source Water Assessments for public water systems within their boundaries. The assessments consist of (1) identification of the Drinking Water Protection Area, i.e., the area at the surface that is directly above that part of the aquifer that supplies groundwater to our wells, (2) identification of potential sources of pollution within the Drinking Water Protection Area, and (3) determining the susceptibility or relative risk to the well water from those sources. The purpose of the assessment is to provide water systems with the information they need to develop a strategy to protect their drinking water resource if they choose. *The Department of Human Service's Drinking Water Program has completed the identification of the Drinking Water Protection Area for our system. A map showing this area is on file at our office.*

### How Do Contaminants Get Into Water Supplies?

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.



City of Troutdale  
104 SE Kibling Avenue  
Troutdale, OR 97060

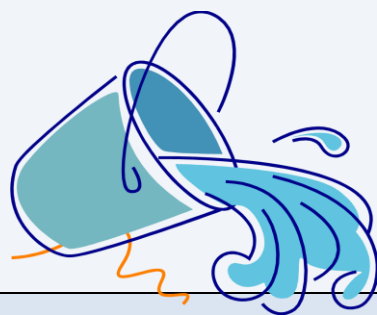
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Troutdale, OR

## Water Quality Report for Year 2010

Postal Route  
Customer

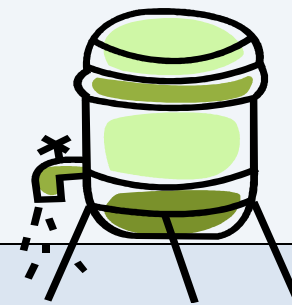


Well No. 5  
Pump Motor and  
Internal Components



# What's In Your Water

Most of the many substances we are required to monitor are not represented in our water system. Here is a table with information about those substances which have been detected in your drinking water and how they compare to regulatory standards. This is the most recent monitoring done in compliance with regulations.



## Results of Monitoring for REGULATED CONTAMINANTS

Substance	Unit of Measurement	Ideal Goals (EPAs MCLG)	Highest Level Allowed (EPAs MCL)	Level Detected in Troutdale's Water				Sources of Contaminant
				Low	High	Average	Violation	
Nitrate	ppm	10 ppm	10 ppm	0	3.2	0.45	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.
Cyanide	ppb	200 ppb	200 ppb	0	22	3.1	No	Discharge from steel/metal factories; discharge from plastic and fertilizer factories.
Barium	ppm	2 ppm	2 ppm	0.0015	0.081	0.038	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Fluoride	ppm	4 ppm	4 ppm	0	0.3	0.042	No	Erosion of natural deposits; discharge from fertilizer and aluminum factories.
Arsenic	ppb	No Current MCLG	10 ppb	0	0.09	0.014	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Total Trihalomethane	ppb	No Current MCLG	80 ppb	0.0082	0.0082	0.0082	No	Byproduct of water treatment process.
HAAS	ppb	No Current MCLG	60 ppb	0.0031	0.0031	0.0031	No	Byproduct of water treatment process.

## Results of Monitoring for LEAD & COPPER \*

Substance	Unit of Measurement	Ideal Goals (EPAs MCLG)	EPAs Action Level (AL)	90th Percentile	Exceeding AL	Violation	Sources of Contaminant
Lead	ppb	0 ppb	AL = 15 ppb	2 ppb	0	No	Corrosion of household plumbing systems; erosion of natural deposits.
Copper	ppm	1.3 ppm	AL = 1.3 ppm	0.0690 ppm	0	No	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.

\* Samples were collected July 2005 in accordance with regulations..

## Results of Monitoring for Microbiological Contaminants

Substance	Unit of Measurement	Ideal Goals (EPAs MCLG)	Highest Level Allowed (EPAs MCL)	Positive Sample #	Total Samples Collected	Violation	Sources of Contaminant
Total Coliform Bacteria	Positive or Negative	0 Positive	Presence of coliform bacteria in 5% of monthly samples.	0	180	No	Naturally present in the environment. Indicates that other potentially harmful organisms may be present.

## Results of Monitoring for UNREGULATED Contaminants

Unregulated Contaminant	Minimum Detected	Average Detected	Maximum Detected	Sources of Contaminant	Information
Sodium	20 ppm	44 ppm	130 ppm	Added to water during treatment; erosion of natural deposits.	Sodium is not currently regulated and thus has no drinking water standard. Persons following a sodium reduced diet should consult a physician regarding levels of naturally occurring sodium in the City's water.

**Maximum Contaminant Level Goal (MCLG):** 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):** One part per million is comparable to one penny in \$10,000.

**Parts Per Billion (ppb):** One part per billion is comparable to one penny in \$10,000,000.

**Maximum Contaminant Level (MCL):** 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.

**Action Level:** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**All water sources are analyzed for Inorganic Contaminants (minerals and metals) every nine years with the exception of Arsenic which is analyzed every three years. These results are from 2005.**

## Information EPA wants you to know

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

· While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

· During disinfection, certain byproducts, which can have negative health effects, form as a result of chemical reactions between chlorine and naturally occurring organic matter in the water. The disinfection process is carefully controlled to remain effective, while keeping byproduct levels low. HAAS's and Trihalomethanes are the regulated disinfection byproducts found in Troutdale's system.

· Organic chemical contaminants, including synthetic and volatile organic chemicals, are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

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

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

· Pesticides and herbicides may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

· Radioactive contaminants can be naturally occurring or can be the result of oil and gas production and mining activities.

· 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. The City of Troutdale 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 <http://www.epa.gov/safewater/lead>.

