



READ THIS REPORT TO LEARN MORE ABOUT
THE WATER YOU DRINK

2013 Water Quality Report

Agate Water System

We are committed to every individual who drinks the water we provide and continue to work hard at maintaining the safety from harmful contaminants. We are proud to say our efforts have been successful in meeting or exceeding the standards required by the EPA. Some of the contaminants may be monitored less frequently, this report includes the most recent data from 2013 and from within the last 5 years for chemicals. If after reading this report and you still have questions, please feel free to contact our office 541-382-2855.

An Important Message from the Environmental Protection Agency Required information by EPA

The sources of (both tap 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 and human activity.

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, comes from agricultural, urban storm-water runoff, and residential uses.

Organic Chemical Contaminants, synthetic and volatile organic chemicals are byproducts of industrial processes and petroleum production, and also from gas stations, urban storm-water runoff, and septic systems.

Radioactive Contaminants, Naturally occurring or the result of oil and gas production and mining activities.

Drinking water and bottled water may contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that 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 (800-426-4791).

Lead in Drinking Water....Are You at Risk?

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. Agate Water System is responsible for providing high quality drinking water to your tap, we cannot control the variety of materials used in plumbing components in your home. 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 to drink 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>, or www.leadline.org, or by contacting Umpqua Research Company, drinking water testing laboratory 541-312-9454.

Important Information About Water and Your Health

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 microbial contaminants. For more information call the Safe Drinking Water Hot Line 1-800-426-4791 or visit the EPA's website: www.epa.gov/ow. Additional information can be found on the CDC website: www.cdc.gov/healthywater/drinking/public/faq.html.

How to access more information on our water system

On the internet type in [HTTPS://yourwater.oregon.gov](https://yourwater.oregon.gov), under the blue box that has Drinking Water Program choose **WS ID Look Up**, and in the box beside PWS Number: OR41 type in 01439 and click View Results. You can scroll to the bottom and choose options to browse information for Agate Water System.

Detected Regulated and Unregulated contaminants are listed below. Unregulated Contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to help EPA determine their occurrence in drinking water and potential need for future regulation.

Primary Standards (directly related to the safety of drinking water)

Inorganic Contaminants	(Units)	MCL	MCLG	Range/Result	Violation	Likely Source
2013 - Arsenic	(ppb)	10	0	3.1 - 3.3	No	Erosion of natural deposits
2010 - Fluoride	(ppm)	4	4	0.152 - 0.313	No	Erosion of natural deposits
Unregulated Contaminants	(Units)	MCL	MCLG	Range/Result	Violation	Likely source
2010 - Sodium	(ppm)	N/A	N/A	9.55 - 11.7	No	Erosion of natural deposits
Radiological Contaminants	(Units)	MCL	MCLG	Range/Result	Violation	Likely source
2013 - Gross Alpha	(pCi/l)	15	0	2.4 - 4.2	No	Erosion of natural deposits
2013 - Radium	(pCi/l)	5	0	1.7 - 2.4	No	Erosion of natural deposits
Lead & Copper	(Units)	MCLG	AL	90th%	Violation	Likely source
2012 - Copper	(ppm)	1.3	1.3	0.038	No	Household plumbing

Violation

Our water system received a violation of non-reporting of nitrates from two of our sources. Our nitrate levels have consistently been non-detect or well below the MCL in the water you drink. These two sources were not operating in most of 2013. Samples will be collected as soon as they are repaired and returned to service into the water system. This information is required by the EPA. Infants below the age of 6 months who drink nitrates in excess of the MCL could become seriously ill, and if untreated, may die. Symptoms may include shortness of breath and Blue Baby.

Key and Definitions

- **AL - Action Level:** the concentration of a contaminant which if exceeded, triggers treatment or other requirements.
- **EPA - Environmental Protection Agency:** sets water quality standards and establishes methods and monitoring requirements for water utilities.
- **MCL - Maximum Contaminant Level:** the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.
- **MCLG - Maximum Contaminant Level Goal:** the level of a contaminant in drinking water which there is no known or expected risk to health. MCLG's allow a margin of safety.
- **PPB - Parts Per Billion:** the equivalent of one second in 32 years.
- **PPM - Parts Per Million:** the equivalent of one second in 12 days.
- **Result:** the column that shows you what level of contaminant was found in the water you drink.

Where our water source comes from:

Agate Water System, like many small water systems in Oregon, relies on groundwater for its domestic water supply. The wells range from 220' to 510'.

Did You Know

Keeping the body hydrated with water helps the heart more easily pump blood through the blood vessels to the muscles. And, it helps the muscles remove waste so that they can work efficiently.

"If you're well hydrated, your heart doesn't have to work as hard"

Agate Water System Source 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 the part of the aquifer that supplies groundwater to our well. (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 information they need to develop a strategy to protect their water resource.

they choose.

The Drinking Water Programs of The Department of Human Services and Environmental Quality have completed a Source Water Assessment. A copy of the report is on file for viewing by contacting the water department office at 541-382-2855.