



# Avion Water Company, Inc.

Avion Water Company  
Drinking Water Quality Report  
2020

## Welcome to Avion Water

In 1968 Avion made its first water delivery to Avion Estates, a subdivision in southeast Bend. Since then, we've grown to include over 14,000 customers in Deschutes and Crook Counties. Avion is still locally owned and we are proud to provide delicious, untreated drinking water to our customers. Our water comes entirely from deep wells in the basalt rock layer in one of the largest aquifers in the United States. Because our water is so clean we are not required to filter or add any chemicals to it. To be sure of its purity we test it Monthly. We are happy to say that one of the most common comments we receive from our customers is how good the water tastes. We hope you will enjoy it too.

If you have any questions after reading this report, please feel free to contact our office 541.382.5342, or 60813 Parrell Rd., Bend OR 97702..

Also visit our website at Avion-water.com

You can find more information at "Drinking Water Data Online" <https://yourwater.oregon.gov> Choose "WS id lookup" then type in the id # 00091



### An Important Message from the Environmental Protection Agency

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).

### 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. Additional information can be found on the CDC website: [www.cdc.gov/healthywater/drinking/public/faq.html](http://www.cdc.gov/healthywater/drinking/public/faq.html).**

### 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. Avion Water Company 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](http://www.leadline.org), or by contacting Edge Analytical, drinking water testing laboratory 541-639-8425.

You can see our most recent test results in the data table below. We are required to report only those substances that were present at detectable levels. We are allowed to monitor for some contaminants less than once per year, therefore some of the data can be more than one year old.

Primary Standards (directly related to the safety of drinking water)						
Inorganic Contaminants	Units	MCL	MCLG	Range/Result	Did a Violation occur ?	Likely Source
2017 – Arsenic	ppb	10	0	2.0 - 3.0	No	Erosion of natural deposits
2017 - Barium	ppm	2	2	0.001 - 0.002	No	Erosion of natural deposits
2017 – Fluoride	ppm	4	4	0 - 0.14	No	Erosion of natural deposits
2020 – Nitrate	ppm	10	10	0.06 - 0.13	No	Erosion of natural deposits
Unregulated Contaminants						
2017 - Sodium	ppm	N/A	N/A	9.05 - 17.3	No	Erosion of natural deposits
Lead and Copper	Units	MCLG	AL	90 <sup>th</sup> %	Did a Violation occur ?	Likely Source
2018 – Copper	ppm	1.3	1.3	0.066	No	Household plumbing
2018 – Lead	ppb	0	15	1.0	No	Household plumbing
Microbiological	MCL	MCLG	Positive Results	Did a Violation occur ?	Likely Source	
2020 - Total Coliform	TT	N/A	0 - 1	No	Naturally present in the environment	

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system.



## Outstanding Performer



The State of Oregon recognizes water systems that have most recently met the criteria of outstanding performance. Outstanding performers are systems with no significant deficiencies identified as well as no unresolved violations. We are proud to say Avion met that criteria with several of our water systems. Our team works very hard to meet this goal.

- **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.
- **pCi/l - Picocuries Per Liter**, a measure of radioactivity.
- **Result** - the column that shows you what level of contaminant was found in the water you drink.
- **TT - Treatment Technique**, a required process intended to reduce the level of a contaminant in drinking water.

### Avion Water Company Source Assessment

An assessment of our water system has been completed by the Department of Human Services to determine susceptibility to potential sources of contamination. A copy is on file by contacting the office @ 541.382.5342.



# Standards

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 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.

### What is the Unregulated Contaminant Monitoring Rule?

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The 1996 amendments to the Safe Drinking Water Act (SDWA) require that once every five years, the U.S. Environmental Protection Agency (EPA) issue a new list of no more than 30 unregulated contaminants to be monitored by public water systems (PWSs). The Unregulated Contaminant Monitoring Rule (UCMR) provides EPA and other interested parties with scientifically valid data on the occurrence of contaminants in drinking water. This national survey is one of the primary sources of information on occurrence and levels of exposure that the Agency uses to develop regulatory decisions for contaminants in the public drinking water supply.

The "Revisions to the Unregulated Contaminant Monitoring Rule (UCMR 4) for Public Water Systems and Announcement of Public Meeting" was published in the Federal Register on December 20, 2016 (81 FR 92666). UCMR 4 monitoring will occur from 2018-2020 and includes monitoring for a total of 30 chemical contaminants: 10 cyanotoxins (nine cyanotoxins and one cyanotoxin group) and 20 additional contaminants (two metals, eight pesticides plus one pesticide manufacturing byproduct, three brominated haloacetic acid [HAA] disinfection byproducts groups, three alcohols, and three semivolatile organic chemicals [SVOCs]).

## Results

Avion Water Company collected samples from the drinking water wells and submitted them for testing of the UCMR 4's in the year 2018 and 2019. All of the wells were non detect of any of the contaminants listed above. This data was provided to the EPA for their studies.