



2019 Annual Drinking Water Report for McNulty Water PUD

This is the annual Consumer Confidence Report (CCR) for your drinking water system. In this report, you can find general information regarding water quality testing, health information, and specific information regarding the water quality in your water system.

Educational & Health information

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 operation, 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 storm water runoff, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 are available from the Safe Drinking Water Hotline (1-800-426-4791).

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the number of certain contaminants in 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.

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. Hiland Water Corporation 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.

2019 Annual Drinking Water Report for McNulty Water PUD (cont.)

About McNulty Water System and 2019 Sampling Results

McNulty PUD contracted with Hiland Water Corp during early 2016 to serve as our field technicians. Hiland provides all our field services as well as emergency on call technicians.

Your drinking water comes from groundwater. We have six wells, five of which obtain water from a deep, confined, layered, volcanic aquifer. One well is shallower and supplementary to the others.

The state of Oregon has completed the assessment plan for our wells, which includes a map of where the water comes from, possible sources of contamination, and a review of the susceptibility of the source for contamination. This plan is available for public review.

We continually sample for many different chemicals and have found very little contamination. Contamination is anything other than pure water. We sample total coliform bacteria as an indicator of microorganisms that should not be present. The table below lists all the drinking water contaminants that we detected during the past calendar year or in our most recent test as noted. 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 EPA's Safe Drinking Water Hotline (1-800-426-4791). Below are listed any samples with any detections. For a complete list of tests taken in 2018, please visit <https://yourwater.oregon.gov/chemlatest.php?pwsno=00725>

Regulated	MCLG	MCL	Our Water	Sample Date	Violation	Typical Source of Contaminant
Barium	2.0	2.0	0.0106	Dec-2019	No	Barium compounds increases as the pH level decreases. The highest levels to be found in drinking-water are likely to be associated with groundwater of low pH from granite-like igneous rocks, alkaline igneous and volcanic rock as well as manganese-rich sedimentary rocks.
Fluoride	4.0	4.0	0.4200	Jan-2020	No	The occurrence of fluoride in groundwater is due to weathering and leaching of fluoride-bearing minerals from rocks and sediments.
Sodium			96.600	Jan-2020	No	Sodium is found naturally in well/groundwater. Road salt, water softeners, natural underground salt deposits, pollution of septic systems as well as salt water intrusion depending on proximity to the ocean are often causes of elevated levels in drinking water supplies.
Arsenic	0.010	0.010	0.018 0.021	Dec-2019 Jan-2020	Yes	ASR that tested posted has not been in use for a year. The Earth's crust is an abundant natural source of arsenic. It is present in more than 200 different minerals, the most common of which is called

						<p>arsenopyrite. About 1/3 of the arsenic in the Earth's atmosphere is of natural origin. Volcanic actions are the most important natural source. Inorganic arsenic of geological origins is found in groundwater systems</p>
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*This is the most recent monitoring, done in compliance with regulations.

Violations: We had one reporting violation in 2020. The Arsenic Level reports (above) reported to the state with the explanation that the testing site had not been in use since October 2019. McNulty Water is working diligently to get this site clear of Arsenic and up and running.

Maximum Containment 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.

Maximum Containment 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 (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Maximum Residual Disinfection Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectant to control microbial contamination.

N/A: not applicable **ND:** no detectable at testing limit ppm: parts per million or milligrams per liter **ppb:** parts per billion or micrograms per liter **pCi/L:** picocuries per liter (a measure of radiation)

For additional information about McNulty Water PUD, please visit our website at www.mcnultywater.com or contact us via phone or email. If you would like to attend any of our meetings, please attend one of our board meetings held on the third Tuesday of the month, 7 pm, at the McNulty office, 34240 Millard Rd, Warren, OR, 97053.

McNulty PUD Office

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