

Consumer Confidence Report

City of Banks Water Utility

Circulated in June of 2016 for the year 2015

The City of Banks Water Utility is under the supervision of City Manager, Jolynn Becker (jbecker@cityofbanks.org); Direct Responsible in Charge Water Operator, Tom Tuski (ttuski@cityofbanks.org); Operator-in-training, Ryan Lewis (rlewis@cityofbanks.org); and Administrative Assistant, Michelle Warren (mwarren@cityofbanks.org). The Department phone number is 503-324-5112 and the fax number is 503-324-6674. Public participation is welcome during the "Appearance of Interested Citizens" portion of the City Council meetings, which are held on the second Tuesday of each month at 7:00 p.m. Please see our website www.cityofbanks.org for additional information and contacts.

Sources

The City of Banks receives water from springs above the West Fork of Dairy Creek, and also pumps water from deep wells near Banks Road as the demand increases during the drier months of summer. Our wells are sealed and protected from surface contamination. This water is found in a deep layer of volcanic rock called Columbia Basalt. Water from our springs is from a basalt layer which surfaces above mountain streams. An assessment of these sources has been completed by the Oregon Health Department, Drinking Water Division and is on file at City Hall.

Definitions

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.

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.

PCi/L: Picocuries per liter (a measure of radioactivity).

ppb: parts per billion, or micrograms per liter (ug/L) = number of micrograms of substance in one liter of water.

ppm: parts per million, or milligrams per liter (mg/L) = number of milligrams in one liter of water.

Small Amounts of Some Contaminants

"Drinking water, including bottled water, may be reasonably 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 Safe Drinking Water Hotline (800-426-4791)."

Some People May Be More Vulnerable

"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 from their health care providers about drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the EPA Safe Drinking Water Hotline (800-426-4791)."

Lead in drinking water, and its effects on children

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 individual customer service lines and home plumbing. The City of Banks is responsible for providing high quality drinking water, but cannot control the variety of materials used in individual customer 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 privately. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the EPA Safe Drinking Water Hotline or at www.epa.gov/safewater/lead.

Concentrations of Detected Regulated Contaminants

Routine testing is done to detect the presence of potentially harmful contaminants. The information in the table below represents the contaminants that have been detected during testing, **though not in violation**, within the last five years.

<u>Contaminants</u>	<u>MCLG</u>	<u>MCL</u>	<u>Your Water</u>	<u>Sample Date</u>	<u>Violation</u>	<u>Typical Source</u>
Haloacetic acids (HAA5) (ppb)	N/A	60	1.0 ppb min/ 2.7 ppb max	04/15/2015	No	By-product of drinking water chlorination
Trihalomethanes TTHM (ppb)	N/A	80	N/A min/ 6.9 ppb max	10/13/2015	No	By-product of drinking water chlorination
Lead (ppb)	0	15.0	3.0ppb	09/04/2014	No	Erosion of natural deposits; Leaching from wood; Corrosion of household plumbing
Copper (ppm)	1.3	1.3	.2250 ppm	09/05/2014	No	Erosion of natural deposits; Leaching from wood; Corrosion of household plumbing
Gross Alpha (pCi/L)	N/A	15	1.200 pCi/L	01/21/2009	No	Erosion of natural deposits; Leaching from wood; Corrosion of household plumbing
Toluene (ppm)	1.0	1.0	.0006 ppm	05/20/2015	No	Discharge from petroleum factories
Gross Beta Particle Activity(pCi/L)	N/A	50	2.800 pCi/L	01/06/2009	No	Erosion of natural deposits; Leaching from wood; Corrosion of household plumbing
Nitrate (ppm)	10.0	10.0	.1560 (ppm)	09/08/2014	No	Runoff from fertilizer use; leaking from septic tanks, sewage; erosion of natural deposits
Sodium (ppm)	N/A	20.0*	12.0 ppm	10/27/1014	No	Erosion of natural deposits
Flouride	4.0	4.0	.120 ppm	10/24/2014	No	Erosion of natural deposits

Water Conservation

With the completion of water leak survey's The City of Banks has made several repairs on the water main line on Sellers Road, along with other repairs throughout the city. The City of Banks has already benefited from those repairs. The pumps have been running less at the wells and more water is being received at Carsten's Reservoirs from the West Fork Dairy Creek Springs. Public Works staff will continue on this mission.

With the rainfall this spring, the aquifer levels have shown improvements as of this writing. With weather patterns changing I would still encourage everyone to conserve water. If you would like to learn more on conservation please stop by our office or check us out on Facebook for more information on how to save water.

Questions?

What tests are routine? What about THMs and Cryptosporidium, or Nitrate, Arsenic and Lead? Call the EPA Safe Drinking Water Hotline (800-426-4791) or online at www.epa.gov/safewater.

Delivery

Consumer Confidence Reports are mailed to all Banks water customers each June. Our effort to reach consumers who do not get water bills could include your passing it along. Thank you, for assisting us.

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 stormwater 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 water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottles water which must provide the same protection for public health.

CERTIFICATION: A "good faith" attempt was made in June 2016 to distribute this report to all Banks water users. The information is correct and consistent with data submitted to the State.

Sincerely, Tom Tuski: Direct Responsible in Charge Water Operator #T-08847 for system OR41-00076.