



CITY OF SWEET HOME WATER QUALITY REPORT 2018

ABOUT THIS REPORT

This report represents the results of the 2018 drinking water program. You can be assured that the water is safe to drink as the following documents confirm. The report is a requirement mandate and meets the specifications set forth by the Environmental Protection Agency (EPA). This report is intended to increase public awareness of our drinking water, how it gets from the source to your homes and businesses, and what tests are applied to detect contaminants. To ensure that your tap water is safe to drink, the EPA set limits on the amount of certain contaminants in water provided by public water systems. The Federal Food and Drug Administration sets limits for contaminants in bottled water. 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 the contaminants and potential health effects can be obtained by calling EPA's Safe Drinking Water Hotline at 1-800-426-4791. Este informe contiene informacion muy importante sobre la calidad de su agua potable. Por favor lea este informe o comuniquese con laguien que.

Need more info?

City of Sweet Home Water Treatment Plant
operated by Jacobs Engineering
(541) 367-4846

Public Works Department
Greg Springman, Director
(541) 367-6359

Billing and Accounts Questions
(541) 367-5128
Punch in extension 221

City of Sweet Home Web site
www.ci.sweet-home.or.us
1140 12th Ave., Sweet Home, OR 97386
City Council meetings are held at 6:30 p.m. on
the second and fourth Tuesday of each month
at Sweet Home Police Department,
1950 Main St., until further notice.

**Environmental Protection Agency Safe
Drinking Water Hotline**
1-800-426-4791
www.epa.gov/safewater

American Water Works Association Web site:
www.awwa.org

**Oregon Human Services
Drinking Water Division**
(503) 731-4010
www.ohd.hr.state.or.us/dw

This report compiled by
Rebecca Swoboda
For additional information,
visit www.sweet-home.or.us.

Water Quality Data Table Explanation

The table at right shows the results of the city's water quality analysis. Every regulated contaminant that we detected in the most minute traces, is listed here. The table contains the name of each substance, the highest level allowed by regulation (MCL), the ideal goals for public health, the amount detected, the usual sources of such contamination, and footnote explaining our findings.

■ One part per million is the same as 1 inch in 16 miles, one minute in two years, one cent in \$10,000, or 1 ounce of salt in 31 tons of potato chips.

■ One part per billion is the same as 1 inch in 16,000 miles, one second in 32 years, one cent in \$10 million, or a pinch of salt in 10 tons of potato chips.

■ One part per trillion is the same as 1 inch in 16 million miles, one second in 320 centuries, one cent in \$10 billion or a pinch of salt in 10,000 tons of potato chips.

Why This Report?

If this information looks familiar, it should. The City of Sweet Home has mailed similar information to customers each year since 1997.

Why every year?

Drinking water regulations require the city to produce and mail this information every year.

Most of the language is also required – Congress and the Environmental Protection Agency (EPA) want to be sure people know what is in their drinking water.

The City of Sweet Home agrees and that's why the city is making the effort to make this complex information understandable to those reading this report.

City of Sweet Home 2018 Annual Water Quality Report

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range		Sample Date	Violation	Typical Source
				Low	High			
Disinfectants & Disinfection By-Products								
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)								
Chlorine (as Cl ₂) (ppm)	4	4	0.86	0.57	1.62	2018	No	Water additive used to control microbes
Total Organic Carbon (ppm)	NA	TT	0.7	0.3	0.9	2018	No	Naturally present in the environment
Haloacetic Acids (HAA5) (ppb)	NA	60	6.3	5.6	6.3	2018	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	27.9	17.1	27.9	2018	No	By-product of drinking water disinfection
Inorganic Contaminants								
Fluoride (ppm)	4	4	0.6	0.07	1.36	2018	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Turbidity								
Turbidity (NTU)	NA	0.3	0.04	0.02	0.09	2018	No	Soil runoff
99% of the samples were below the TT value of 0.3. A value less than 95% constitutes a TT violation. Any measurement in excess of 1 is a violation unless otherwise approved by the state.								

No detectors of Arsenic, Lead, Copper, or Cyanotoxin.



On the cover: Photo of Foster Lake by Norm Sharp

Sweet Home's Water Treatment Plant, off 47th Avenue, produces drinking water for city residents.

What's that in English?

Acronyms and Definitions

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

CDC: Centers for Disease Control

EPA: Environmental Protection Agency

IT: Treatment Technique. A required process intended to produce the level of containment in drinking water. A treatment technique may be required by the Environmental Protection Agency or the Oregon Health Department.

MCL: Maximum Contaminant Level. The highest level of contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG: Maximum Contaminant Level Goal. The level of contaminant below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MNR: Monitored, not regulated.

MPL: State-assigned maximum permissible level.

MRDL: Maximum residual disinfectant level. 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.

MRDLG: Maximum residual disinfection level goal. 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 disinfectants to control microbial contaminants.

NA: Not applicable.

ND: Not detected.

NR: Monitoring not required, but recommended.

NTU: Nephelometric Turbidity Unit. Unit of measure used to describe water clarity. The smaller the number the clearer the water.

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

ppb: Parts per billion. One ppb is equal to approximately one drop of water in a 22,000-gallon swimming pool.

ppm: Parts per million. One ppm is equal to approximately one drop of water in 22 gallons. One ppm is equivalent to one milligram per liter.

Additional information: Lead in water

The following statement is a report requirement regardless of lead levels occurring in any samples.

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 Sweet Home is responsible for providing high-quality drinking water, but cannot control the variety of materials used in plumbing com-

ponents.

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 two 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 at www.epa.gov/safewater/lead.



Health problems? Visit your doctor

The following statement is required by Environmental Protection Agency (EPA):

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.

Environmental Protection Agency (EPA) / Centers for Disease



Control and Prevention (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).

Contaminants – even naturally occurring – can be bad news

The following statement is required by Environmental Protection Agency (EPA):

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 minerals, 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 stormwater 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 or 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.

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 bottled water which must provide the same protection for public health.

Conserve water and save money

The average U.S. household uses approximately 400 gallons per person per day. Luckily, there are many ways to lower your usage. Small changes can make a big difference.

■ Identify and repair any leaks or dripping faucets. Remember to check your toilet for leaks too.

■ Use a low-flow showerhead. This could save you 15 gallons during a 10 minute shower!

■ Turn off your water while you are shaving or brushing your teeth.

■ Only use your washing machine and dishwasher when you have a full load. Twenty-two percent of home water use comes from doing laundry.

■ Remember to water your lawn and garden in the cool of the morning, or late evening to prevent evaporation. Adjust sprinklers so that you are only watering what you need to.

■ Teach your children about water conservation.

■ To check your water footprint and estimate your total water use, visit www.watercalculator.org.



How to protect your water sources

The drinking water source for the Sweet Home Water Treatment Plant is Foster Lake. The City's intake is located in the face of Foster Dam in Sweet Home, Oregon.

Here's how you can help protect your water source:

■ Eliminate excess use of lawn and garden fertilizers and pesticides.

■ Pick up after your pets.

■ Dispose of chemicals properly.

■ Take used motor oil to a recycling center.

■ Volunteer in your community. Find a watershed or wellhead protection organization in your community and volunteer to help. If there are no active groups, consider starting one.

■ Organize a storm drain stenciling project with your local government or water supplier. Stencil a message next to the street drain reminding people "Dump No Waste - Drains to River" or "Protect Your Water."





**City
water
crew
makes it
happen**

