

# Consumer Confidence Report

# 2018

*Este informe contiene información importante sobre su agua potable. Debe ser traducido por alguien que habla bien Inglés.*

The City of Toppenish is proud to present our annual Consumer Confidence Report, which keeps our residents informed of their water quality. This report includes the results of water sampling performed between January 1 and December 31, 2018. Over the years, we have dedicated ourselves to producing drinking water that meets all state and federal standards. As new challenges to drinking water safety emerge, we remain vigilant in meeting the goals of source water protection, water conservation, and community education while continuing to serve the needs of all our water users.

## 2018 Water System Improvements

### West 2nd Ave:

- ⇒ More than 2,000 feet of asbestos cement pipe was replaced with ductile iron pipe
- ⇒ 21 new valves installed
- ⇒ 4 new fire hydrants installed

### West 1st Ave:

- ⇒ 14 new valves installed, 1 old valve eliminated
- ⇒ 8 new fire hydrants installed, 1 old hydrant eliminated



## Water Use Efficiency Update

The Water Use Efficiency (WUE) Rule was established by the Washington Department of Health to better manage the state's limited water resources. The Rule requires water systems to establish a program to ensure that water is used wisely and efficiently.

The City of Toppenish has a responsibility to educate the public on conservation and to be able to account for at least 90% of the water it produces. In 2018, we were able to account for 92% of the water that we produced. You can help us maintain our success by using water wisely. With your support, the WUE Program can have a true and lasting impact.

*Thank You!*

## Our Drinking Water Source

Toppenish derives its drinking water from six deep wells: Well #3, Well #5, Well #6, Well #7, Well #8 and Well #9. These pump groundwater to four storage reservoirs (two elevated water storage reservoirs and two standpipe reservoirs). These reservoirs help to protect the City's estimated 9,000 residents, businesses and visitors during fire, power outages, and high water-use periods.

Water is carried from the wells, treated with fluoride then disinfected with chlorine. Residual chlorine and fluoride levels in the distribution system are checked daily to ensure that the amounts of chlorine and fluoride utilized are effective while remaining at the safe levels determined by the EPA. Finally, the water travels from the reservoirs to you through approximately 34.14 miles of water distribution piping.

## What Goes Into Your Water Rates?

The Toppenish Water Division takes all reasonable precautions to ensure the water delivered to you meets all standards set by the EPA. Water system operation and maintenance requirements have been set by the federal government in the Safe Drinking Water Act (SDWA) and are enforced by the state health division.

We perform numerous functions in order to maintain our drinking water. From testing water samples for a variety of contaminants, to sustaining adequate pressure to all service connections, we strive to fulfill all requirements on a daily basis. In addition, we must contend with continually climbing expenses. These include yearly depreciation on the water distribution system and equipment, interest expenses, insurance costs and laboratory analysis. Other expenses include maintaining water personnel certifications, power, labor, contract work, transportation, office operation, professional fees, materials, chemicals and the upkeep and maintenance to all infrastructures, including reservoirs, treatment facilities and meters. It is the considerable cost of these elements that determines your water rates. Remember, the City provides the service of keeping your water clean, safe and conveniently accessible at your tap.



## Get Involved

Toppenish residents are welcome to attend City Council meetings. Meetings are held at 7:00 PM on the second and fourth Monday of each month at City Hall in the Council chambers, located at 21 West First Ave.

# 2018 WATER QUALITY DATA TABLE

*The Environmental Protection Agency (EPA) regulates the frequency of sampling for various contaminants. The data presented in this table is from testing conducted in 2018. The table may also include any other results within the last five years for analyses that were not required in the year 2018.*

Contaminants (units)	MCLG	MCL	Range Low-High, or Result	Sample Date	Violation	Typical Source
<b>Inorganic Contaminants</b>						
Arsenic (ppb)	0	10	2.1—3.7	Oct 2016	No	Found in natural aquifer deposits
Fluoride (ppm)	4	4	.439—.777	Monthly 2018	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate (ppm)	10	10	ND—3.64	2018	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
<b>Disinfection By-Products</b>						
HAA5 [Haloacetic Acids] (ppb)	0	60	ND	Aug 2018	No	By-product of drinking water disinfection.
TTHM [Total Trihalomethanes] (ppb)	0	80	ND	Aug 2018	No	By-product of drinking water disinfection.
<b>Lead and Copper</b>						
	<b>MCLG</b>	<b>AL</b>	<b>90th Percentile</b>			
Lead (ppb) 25 samples, 0 were over the AL	0	15	1	July 2018	No	Corrosion of household plumbing systems; Erosion of natural deposits.
Copper (ppm) 25 samples, 0 were over the AL	1.3	1.3	0.031	July 2018	No	Corrosion of household plumbing systems; Erosion of natural deposits.

### TERMS & ABBREVIATIONS

**AL** (Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

**Contaminant:** A word used to describe anything detected in the drinking water supply. This term is commonly used in the drinking water industry and should not necessarily invite concern, as all drinking water contains trace amounts of minerals and other substances.

**MCL** (Maximum Contaminant Level): 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.

**MCLG** (Maximum Contaminant Level Goal): 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.

**ND** (Not Detected): Lab analysis indicates that the contaminant is not present or not detectable with the best available technology.

**ppb:** Parts per billion, or micrograms per liter.

**ppm:** Parts per million, or milligrams per liter.

**Range:** The lowest (minimum) amount of contaminant detected and the highest (maximum) amount detected during a sample period.

**90th percentile:** Out of every 30 homes sampled, 27 were at or below this level. One site exceeded the state trigger level of 0.6 ppb. A trigger level is set as a caution and does not necessarily indicate a health hazard. It may indicate that additional sampling is required.

**If you have questions about this report or your drinking water, call:**

**City of Toppenish Public Works/Water Division**  
(509)865-4500

**Washington Department of Health**  
(509)329-2100

**US-EPA Safe Drinking Water Hotline**  
(800)426-4791



### Important Health Information

Drinking water, including bottled water, may reasonably be expected to contain at least trace amounts of some "contaminants". The presence of these do not necessarily indicate that water poses a health risk.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, such as persons 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/Centers for Disease Control (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 at (800)426-4791.

### The Effect of Lead In Drinking Water

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 Toppenish 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 (800)426-4791 or on their website [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

### Outdoor Water Conservation Tips

- ✓ Generally, we are more likely to notice leaky faucets indoors, but don't forget to check outdoor faucets, pipes, and hoses for leaks.
- ✓ Use a broom instead of a hose to clean sidewalks and driveways.
- ✓ Wash vehicles and/or bathe pets on the grass in an area in need of water. Use a hose nozzle and turn off the water while washing.
- ✓ Make sure swimming pools, fountains, and ponds are equipped with recirculating pumps. Pools should be covered when not in use, as hundreds, even thousands of gallons of water can disappear through evaporation.
- ✓ Try Xeriscapes. This term refers to landscaping methods that conserve water.
- ✓ Check sprinkler systems frequently and adjust sprinklers so only the lawn is watered and not the house, sidewalk, or street. Keep sprinkler heads in good shape.
- ✓ Minimize evaporation by watering during the early morning hours, when temperatures are cooler and winds are lighter.
- ✓ For hanging baskets, planters and pots, place ice cubes under the moss or dirt to give plants a cool drink of water and help eliminate water overflow.
- ✓ While fertilizers promote plant growth, they also increase water consumption. Apply the minimum amount of fertilizer needed.