

# Town of Coulee Dam 2017 Drinking Water Report

## Annual Quality Water Report

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

### DESCRIPTION OF THE TOWN'S WATER SYSTEM

The Town of Coulee Dam derives its water supply from Lake Roosevelt, which supplies water to the Town's estimated 1,100 residents in one distribution system.

West Coulee Dam and East Coulee Dam is now served year-round by the Town's new Slow Sand Water Filtration Plant for domestic water only.



Your water system...  
"The Grand Coulee Dam."

Water from Lake Roosevelt is pumped from the Grand Coulee Dam to the Slow Sand Water Filtration Plant, which filters the water using sand. It's then pumped to the Town's east side reservoirs for distribution to customers homes through approximately 11.1 miles of water distribution pipe.

Water is stored in the town's east & west side reservoirs at a capacity of 2.12 million gallons of storage, to provide protection against fire, power outages, and high water use periods.

Water is chlorinated to provide disinfection of pathogenic micro organisms.

### YOUR WATER RESULTS

The Town of Coulee Dam routinely monitors for contaminants in your drinking water according to Federal and State laws. For the period of January 1st to December 31st 2016, the Town's water system had no violations.

The EPA has determined that your water IS SAFE. We're proud that your drinking water meets or exceeds all Federal and State requirements.

### Where can I find out more about my drinking water?

Environmental Protection Agency (EPA)  
Safe Drinking Water Act  
Hotline  
(1-800-426-4791)

Town of Coulee Dam  
300 Lincoln Avenue  
Coulee Dam WA 99116  
(509) 633-0320

State Dept. of Health  
Drinking Water Program  
16201 E. Indiana Ave.  
Suite 1500  
Spokane, WA 99204  
(509) 329-2100

WATER QUALITY MONITORING REQUIREMENTS
---------------------------------------

The Town of Coulee Dam routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st 2016. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

### List of Contaminants Detected in the Town's Water Supply

Contaminants	Violation Y/N	Level Detected	Units Measured	MCLG	MCL	Possible Sources
Volatile Organic Chemicals (VOC's)	N	ND	µg/L	0		Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Dichloroacetic acid	N	4.82	µg/L	0		By-product of drinking water chlorination
Trichloroacetic acid	N	8.80	µg/L	0		By-product of drinking water chlorination
Total HAA (5)	N	13.6	µg/L	0	60	By-product of drinking water chlorination
Nitrates	N	0.225	mg/L	0		Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Trihalomethane	N	26.5	µg/L	0	80	By-product of drinking water chlorination
Gross Alpha	N	<1 +/- 0.638	pCi/L	0	15	
Radium	N	-0.462 +/- 0.585	pCi/L	0	5	

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

*Non-Detects (ND)* - laboratory analysis indicates that the constituent is not present.

*Parts per million (ppm) or Milligrams per liter (mg/l)* - one part per million corresponds to one minute in two years or a single penny in \$10,000.

*Parts per billion (ppb) or Micrograms per liter*—one part per billion corresponds to one minute in 2, 000 years, or a single penny in \$10,000,000.

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

*Maximum Contaminant Level (MCL)* The "Maximum Allowed" is 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.

*Maximum Contaminant Level Goal*—The "Goal" (MCLG) is 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.

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected. The EPA has determined that your water IS SAFE at these levels.

### **GENERAL HEALTH EFFECTS INFORMATION**

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 microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush your tap for 30 seconds to 2 minutes before using tap water.

Additional information is available from the Safe Drinking Water Hotline.  
(1-800-426-4791)

#### **Your Slow Sand Water Treatment Plant**



### **LONG TERM WATER QUALITY CONSIDERATIONS**

The Lake Roosevelt water supply is subject to the requirement of the EPA Surface Water Treatment Rule.

The Town has complied with the Surface Water Treatment Rule, by the construction and the completion of a Slow Sand Water Treatment plant in 2004. The water meter project completed in 1999 was the first step in assessing the total capacity required for the Town's long term water supply.

#### **Your Slow Sand Water Treatment Plant Finish Raw Water Pumps**

Infants and young children are typically more vulnerable to lead in drinking water than the general population.

It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing.





### ***Maximum Contaminant Levels (MCL's)***

MCL's are set at very stringent levels.

To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a million chance of having the described health effects.

All 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 the water poses a health risk.

More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency Safe Drinking Water Hotline at 1-800-426-4791.

### **PROVIDING YOU WITH QUALITY WATER**

In our continuing efforts to maintain a safe and dependable water supply it may be necessary to make improvements in your water system. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements.

### **Questions**

If you have any questions about this report or concerning your water utility, please contact:

Public Works Supt.  
Mike Steffens  
300 Lincoln Ave  
Coulee Dam WA 99116  
509-633-0160



We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings.

They are held on the second and fourth Wednesday of each month  
6:00 p.m. at Town Hall.