

## About the Source of Our Water

This annual report details the quality and safety of Modern's water, including results from water quality monitoring conducted between January 1 and December 31, 2024, in compliance with state and federal regulations. It also offers resources for source water assessments, health effects data and additional system information to help you make informed decisions about your drinking water.

Drinking water, including bottled water, may contain small amounts of contaminants, which do not necessarily pose a health risk. Some individuals, such as those with compromised immune systems, elderly people and infants, may be more at risk from water contaminants. These individuals should consult their healthcare providers for advice. More information about contaminants and potential health effects can be obtained by calling EPA's Safe Drinking Water Hotline at 1 (800)-426-4791.

Your drinking water comes from the Spokane Valley Rathdrum Prairie Aquifer (SVRP). This pristine and abundant aquifer lies in Idaho and Washington. It holds ten (10) trillion gallons of water and is the sole source of drinking water for over half a million people in the region.

This groundwater source is recharged by local precipitation and the snowpack in northern Idaho and western Montana. It is naturally filtered by surface vegetation and layers of gravel above the water line.

The SVRP aquifer is unique because of its vast size, swift flow of water, porous soils and because the land over the aquifer is extensively developed. These factors make our aquifer susceptible to contamination. Careful planning will be required in the coming years to ensure that our aquifer remains clean and available for our growing community.

To find out how you can protect and conserve our precious water resource visit [www.SpokaneAquifer.org](http://www.SpokaneAquifer.org).



## Quality on Tap

MODERN'S WATER QUALITY COMMITMENT

*You can count on us to ...*

- Provide you with the highest quality water possible.
- Sample, test and treat your water on a regular basis.
- Work diligently to meet every water quality standard.
- Maintain water distribution system reliability.
- Provide you with a high level of customer service.

## Contact Information:

Washington State Department of Health  
Eastern Regional Office  
River View Corporate Center  
16201 East Indiana Avenue, Suite 1500  
Spokane Valley, WA 99216  
(509) 329-2100  
[Http://www.doh.wa.gov](http://www.doh.wa.gov)

Water Superintendent Lance Peterson  
Modern Electric Water Company  
904 North Pines Road  
Spokane Valley, WA 99206  
(509) 928-4540  
[ModernElectricWater.com](http://ModernElectricWater.com)



# 2024 Annual Drinking Water Report



# Modern Electric Water Company

## Year 2024 Annual Drinking Water Quality Report

Mandatory Health-Related Standards Are Established by the Washington State Department of Health

# Confidence in Every Drop

The table to the left lists all drinking water contaminants that were detected within the last 5 years. The presence of these contaminants in water does not necessarily indicate that the water poses a health risk. The state requires monitoring for certain contaminants less than once a year because the concentrations of these contaminants are expected to vary significantly from year to year. Some data, though representative of the water quality, is more than 1 year old.

As you can see in the table to the left, our system had no violations above the allowed Maximum Contaminant Levels for your drinking water.

We are proud that your drinking water meets or exceeds all federal and state requirements and, although we have learned through our monitoring and testing that some constituents have been detected, the EPA has determined your water **IS SAFE** at these levels.

Parameter	Unit of Measure	MCL	MCLG	Highest Detected Level								Likely Source of Contamination	
				Pump Station									
				S02	S03	S04	S06	S07	S08	S09	S011		
<b>Microbiology</b>													
240 Bacteriological Tests were taken during 2024													
Total Coliform Bacteria				0								Indicator Organism	
Fecal Coliform and E. Coli	%	5%	0	No Constituents Detected								Bacteria whose presence indicates that water may be contaminated with human or animal wastes	
<b>Inorganic Chemicals</b>													
Sample Results Within Last 5 Years													
Arsenic	ppb	10	0	1.4	1.2	1.4	3	1.6	3.4	2.00	1.5	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes	
Nitrate	ppm	10	10	0.69	0.67	0.74	1.04	0.47	0.68	0.96	0.64	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	
<b>Synthetic Organic Compounds</b>													
Sample Results Within Last 5 Years													
Volatile Organic Contaminants	ppm	Various		No Constituents Detected								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	
Sample Results Within Last 5 Years													
TTHMs [Total Trihalomethanes]	ppb	80	NA	ND								Elongated chlorination of organic matter	
HAA5 [Haloacetic Acids]		60	NA	ND								Disinfected water	
<b>Lead and Copper - Customer's Tap</b>													
30 Tests Were Taken During 2022													
Copper	ppm	1.3	1.3	90th Percentile 0.023								Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives	
Lead	ppb	15	0	0.36								Corrosion of household plumbing systems; erosion of natural deposits	
<b>Radioactive Compounds</b>													
PFAS													
Gross Alpha	pCi/L	15	0	<3	<3	<3	<3	<3	<3	<3	<3	Erosion of natural deposits	
Radium 228	pCi/L	5	0	<0.2	<0.19	0.5	0.17	0.5	2.3	.06	<1	Erosion of natural deposits	

### Abbreviations

ND = Not Detected At Testing Limit

NA = Not Applicable

ppm = Parts Per Million or Milligrams Per Liter

ppb = Parts Per Billion or Micrograms Per Liter

pCi/Liter = PicoCuries Per Liter

### Notes

#### Maximum Contaminant Level, or MCL:

The highest level of a contaminant that is allowed in drinking water.

#### Maximum Contaminant Level Goal, or MCLG

The level of a contaminant in drinking water below which there is no known or expected risk to health.

#### Treatment Technique, or TT:

A required process intended to reduce the level of a contaminant in drinking water.

#### Action Level, or AL:

The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Test results are for calendar year 2024. Modern Electric Water Company employees work hard to ensure you have an abundant, clean supply of water. We ask that you help us protect our water sources, which are at the heart of our community, our way of life and our children's future.

Please dispose of all waste oil, antifreeze, vehicle batteries, pesticides, paints, gasoline, cleaners & household hazardous waste at the following disposal sites:

Valley Transfer Station - 3941 North Sullivan Rd

North Transfer Station - 22123 Elk-Chattaroy Rd

Waste to Energy Facility - 2900 South Geiger Boulevard

Disposal is free for residential customers. Materials must be in leak-proof containers with contents labeled on the outside. No containers larger than 5 gallons will be accepted. For more information, call the recycling hotline at (509) 477-6800

### From Your Water Utility:

Modern Electric Water Company  
904 North Pines Road  
Spokane Valley, WA 99206  
(509) 928-4540

### Contact Person:

Lance Peterson, Water Superintendent

**Board of Directors meetings are held on the fourth Wednesday of every month at 3 p.m.**