

North Spokane Irrigation No. 8

2021 Annual Drinking Water Quality Report

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

Parameter	Unit of Measure	MCL	MCLG	Highest Detected Level		Likely Source of Contamination
				Wells 1 & 3	Wells 2 & 4	
Microbiology						
24 Tests are taken each year						
Total Coliform Bacteria		Presence in 5% of monthly samples	0	No Constituents Detected		Naturally present in environment Industrial or domestic wastewater discharges, mining or farming and livestock productions.
Fecal Coliform and E. Coli		A routine sample and repeat sample are total coliform positive, and one is fecal or E.coli positive	0	No Constituents Detected		
Inorganic Chemicals						
Sampling Period - September 2021				Action levels not exceeded		
Nitrate	ppm	10	10	0.100	0.851	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Synthetic Organic Compounds						
32 Synthetic Organic Chemicals were tested for at each well site during 2015				No Constituents Detected		By products of Industrial processes & petroleum production. Leaking petroleum storage tanks, cleaning.
Volatile Organic Compounds						
61 Volatile Organic Chemicals were tested for at each well site during 2021				Action levels not exceeded		Solvent spills/discharges into storm drains or sewers.
10 Samples were tested for presence of Lead and Copper in 2021				Action levels not exceeded		Leaching of lead in old piping or leaching of copper in new construction.

MCL's are set at very stringent levels. To understand the possible health effects described from the 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 effect.

As you can see by the table, our system had no violations above the allowed Maximum Contaminant Levels. We're 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 that your water IS SAFE at these levels

Abbreviations
ND= Not Detected
NA= Not Analyzed
ppm = parts per million
ppb = parts per billion
AL = Action Level - concentrations of a constituent which, if exceeded, triggers treatment or other requirements

Notes:
Maximum Contaminant Level or MCL:
The highest level of a contaminant that is allowed in drinking water.
Maximum Contaminant Level Goal or MCLG:
Treatment Technique or TT: A required process intended to reduce the level of a contaminant in drinking water.
Treatment Technique or TT: A required process intended to reduce the level of a contaminant in drinking water.
Federal Action Level:
The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.



Date Submitted: 4/25/2022

Water Use Efficiency
Annual Performance Report - 2021

WS Name: North Spokane Irrigation District 8
Water System ID# : 61300 WS County: SPOKANE
Report submitted by: JASON CUSHMAN

Meter Installation Information:
Estimate the percentage of metered connections: 100%
If not 100% metered – Did you submit a meter installation plan to DOH? No
Within your meter installation plan, what date did you commit to completing meter installation?
Current status of meter installation:
Production, Authorized Consumption, and Distribution System Leakage Information:
12-Month WUE Reporting Period 01/01/2021 To 12/31/2021
Incomplete or missing data for the year? No
If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	272,192,000 gallons
Authorized Consumption (AC) – Annual Volume in gallons	253,366,000 gallons
Distribution System Leakage – Annual Volume TP – AC	18,826,000 gallons
Distribution System Leakage – DSL = [(TP – AC) / TP] x 100 %	6.9 %
3-year annual average - %	6.8 % 2019, 2020, 2021

Goal-Setting Information:
Enter the date of most recent public forum to establish WUE goal: 03/05/2019
Has goal been changed since last performance report? No
Note: Customer goal must be re-established every 6 years through a public process.
Customer WUE Goal (Demand Side):
The District has set goals to reduce the District's water loss to less than 2%, and reduce the average consumer's use by 5%, both by 2021
Customer (Demand Side) Goal Progress:
North Spokane Irrigation continues to change out old meters with new radio read meters. We hope to be fully radio read by 2024. Once fully radio we will start reading monthly. This will help catch leaks and reduce our yearly consumption by (est 1%). We also are actively looking for and fixing main leaks. In 2022 we will be updating or WUE goals in a public forum.

Consumer Confidence Report
~ Spring 2022 Newsletter ~

As required by Washington State Department of Health, a report on your water quality is included. The District routinely samples for microbial contaminants such as Coliform Bacteria, E coli and Fecal Coliform, which may come from the environment, septic systems, agricultural livestock operations and wildlife. During 2021, 24 tests were taken and all tests were negative for presence of these contaminants.

Wellhead Protection

The District is a member of the Spokane Aquifer Joint Board (SAJB) which represents nineteen (19) water purveyors who utilize the Spokane/Rathdrum Prairie Aquifer for their water supply. The SAJB promotes aquifer awareness through various educational programs. Committees on proactive businesses, potential contaminant source inventory, household contaminant disposal, emergency planning and education and awareness strive to educate the public and protect our sole source of drinking water. Please visit the web site at www.spokaneaquifer.org for further information and a virtual aquifer tour.

Water...Every Drop Counts

Did you know that an average American home can waste more than 10,000 gallons of water every year due to running toilets, dripping faucets and other household leaks? Nationwide, more than 1 trillion gallons of water leak from U.S. homes each year. That's why North Spokane Irrigation District #8 reminds you to check your plumbing fixtures and irrigation systems every year to reduce the potential losses. For both Indoor and Outdoor Water Saver Kits for your home, please contact North Spokane Irrigation District #8 (509)467-6727.

Emergency Intertie

The District has an emergency intertie at Francis & Freya with the City of Spokane if an event were to occur that required a back-up water supply.

Attention Customers!

If you currently have an old meter in your basement contact us to have a new radio read meter installed free of charge.

Please call our office and make sure your accounts are up to date with contact infomation (Phone numbers & Mailing Address)

Protect your Spokane Aquifer. Don't Pollute It - It's beneath you

From Your Water District:
North Spokane Irrigation District No. 8
7221 N Regal Spokane, WA 99217
Office: (509) 467-6727
Office Hours: 8:00am - 4:00pm Monday - Thursday
Contact: Jason Cushman, District Manager
Regular Scheduled Board Meetings are held the 1st Tuesday of every month at 5:00 p.m.

EPA Lead Statement

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. North Spokane Irrigation District #8 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 potenial 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 or at <http://epa.gov/safewater/lead>