

North Spokane Irrigation No. 8

2016 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	
<b>Microbiology</b>						
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		
<b>Inorganic Chemicals</b>						
Sampling Period - September 2016						
Nitrate	ppm	10	10	2.36	0.725	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
<b>Synthetic Organic Compounds</b>						
32 Synthetic Organic Chemicals were tested for at each well site during 2016				No Constituents Detected		By products of Industrial processes & petroleum production. Leaking petroleum storage tanks, cleaning.
<b>Volatile Organic Compounds</b>						
61 Volatile Organic Chemicals were tested for at each well site during 2016				Action levels not exceeded		Solvent spills/discharges into storm drains or sewers.
10 Samples were tested for presence of Lead and Copper in 2016				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.

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

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



Date Submitted: 1/13/2017

Water Use Efficiency  
Annual Performance Report - 2016

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

**Meter Installation Information:**  
Estimate the percentage of metered connections: 100%  
If not fully metered - Current status of meter installation:

**Production, Authorized Consumption, and Distribution System Leakage Information:**  
12-Month WUE Reporting Period: 01/01/2016 To 12/31/2016  
Incomplete or missing data for the year? No  
If yes, explain:

**Distribution System Leakage Summary:**  
Total Water Produced and Purchased (TP) – Annual Volume 244,063,000 gallons  
Authorized Consumption (AC) – Annual Volume 229,257,000 gallons  
Distribution System Leakage – Annual Volume TP – AC 14,806,000 gallons  
Distribution System Leakage – Percent DSL = [(TP – AC) / TP] x 100 6.1 %  
3-year annual average 4.9 %

**Goal-Setting Information:**  
Date of Most Recent Public Forum: 03/02/2010      Has goal been changed since last performance report? No  
Note: Customer goal must be re-established every 6 years through a public process

**WUE Goals:**  
Customer 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 2016  
**Describe Progress in Reaching Goals:**  
Customer (Demand Side) Goal Progress:  
Our goals remain consistent with what was established in 2016. In 2017 we are implementing a rate change with a tiered water usage rate. We will be offering free conservation kits and educational packets to the consumer and are closely monitoring hydrant usage.  
**Additional Information Regarding Supply and Demand Side WUE Efforts**  
Include any other information that describes how you and your customers use water efficiently:

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>

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!

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

Consumer Confidence Report

~ Spring 2017 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 2016 24 tests were taken and all tests were negative for presence of these contaminants.

Water Meters

North Spokane Irrigation is in the process of updating water meters throughout the district. Some meters are located in the basements of our customers, if you have a meter located in your basement please call and set up a time to have your meter updated. Meters will be read monthly between June & September. Overages will be billed the following billing cycle. If you have anything obstructing the meter or meter pit, please have it removed so the meter is accessible.

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](http://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.

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  
ph: (509) 467-6727  
Contact: Lance Peterson, District Manager  
*Regular Scheduled Board Meetings are held the 1st Tuesday of every month at 5:00 p.m.*