

North Spokane Irrigation No. 8

2012 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 2012						
Nitrate	ppm	10	10	1.31	1.29	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 2012				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 2012				No Constituents Detected		Solvent spills/discharges into storm drains or sewers.
10 Samples were tested for presence of Lead and Copper				No Constituents Detected		Leaching of lead in old piping or leaching of copper in new construction.

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

The Staff at the North Spokane Irrigation District work around the clock to provide top quality water to every tap. We also ask all our customers to help protect the groundwater drinking source, which is the heart of our community, our way of life and our children's future.

From Your Water Utility
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Contact: Gary Lowe
District Manager

Regular Scheduled Board Meetings are held the 1st Tuesday of every month at 6:00 p.m.

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

Protect your
Spokane Aquifer.

Don't Pollute It -
It's beneath you

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.

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

~ Long-term Indoor Water Conservation ~

- ~ Retrofit all household faucets by installing aerators with flow restrictors.
- ~ Consider installing an instant hot water heater on your sink.
- ~ Insulate your water pipes to reduce heat loss and prevent them from breaking if/when the area experiences freezing temperatures.
- ~ If you are considering installing a new heat pump or air-conditioning system, the new air-to-air models are just as efficient as the water-to-air type and do not waste water.
- ~ Install a water-softening system only when the minerals in the water would damage your pipes. Turn the softener off while on vacation.
- ~ When shopping for appliances, look for the WaterSense and Energy Star labeled models, compare the resource savings to traditional models. Not only will you save water and energy, but your bills will go down too.
- ~ Repair dripping faucets by replacing washers. One drop per second wastes 2,700 gallons of water per year!

Consumer Confidence Report

Spring 2013 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 2012 24 tests were taken and all tests were negative for presence of these contaminants.

Meter Reading

The District will begin meter reading June 3rd. Meters will only be read during the month of June & September, so overages will only show up during those billing periods. If you have an outside meter please remove any insulation from your meter box and clear away bushes, shrubs, etc. prior to that date.

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 Saving Tips

Saving water is easy and it starts with you! When you use water efficiently, you save money on your water, gas, and energy bills too. The average household spends as much as \$500 a year on its water and sewer bill and can save about \$132 per year by doing a few simple things to use water more efficiently. For a list of water saving tips contact N.S.I.D #8 at 467-6727.