



WATER QUALITY REPORT

2020 Consumer Confidence Report



Did you know that over 30% of water used by the average American household is devoted to outdoor water use, such as watering lawns and gardens? Also, more than 50% of residential irrigation water is lost due to evaporation, runoff, over watering or improper system design/installation/maintenance.

Below are some tips on reducing outdoor water use to ensure a sustainable and reliable water source for the future:

- Don't over water your lawn. Lawns only need 1 inch of water per week.
- Water lawn or garden early in the morning during the coolest part of the day, to minimize evaporation.
- Check sprinkler systems and timing devices regularly to ensure they operate properly.
- Raise your lawn mower cutting height- longer grass blades help shade each other, reduce evaporation and inhibit weed growth.
- Adjust sprinklers so only your lawn is watered and not the house, sidewalk, or street.

Remember, efficiency is more than conservation, it is smart water management. *Know what you need, know what you use, use only what you need.*



AIRWAY HEIGHTS WATER SOURCES

We are pleased to present to you the 2020 Annual Water Quality 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 and protect our water resources. We are committed to ensuring the quality of your water. Our water comes from several sources; the Wanapum and Grande Ronde aquifers, the Paleo

Channel, wells and 2 interties with the City of Spokane. Well #1 (SO8) and Well #4 (SO8) are located east of Lawson and north of McFarlane. Well #8 (S10) is located east of Garfield and north of 21st Avenue. We also now have Well #9 (S11), a water source at Lundstrom Street and 21st Avenue. Parkwest Well (SO9) is located on Craig Road, but this well is only used in an emergency. All of our wells are groundwater wells.

All of the city wells were shut down in 2017 and the city solely ran off of the 2 interties with the City of Spokane. This

report is provided to all our customers. It describes your drinking water quality for the period of January 1 – December 31, 2020. Your water purveyor is committed to supplying safe water that meets or surpasses state and federal standards and achieves the highest standards of customer service.

This institution is an equal opportunity provider and employer.

2020 TEST RESULTS CITY OF AIRWAY HEIGHTS

View Sample Detail - WSID 006502 - AIRWAY HEIGHTS | Collect Date 5/7/2020

Sample Location 2816 Hayford Rd | Sample Type Post-Treatment/ Finished

Analyte Group VOC-VOLATILE ORGANIC CONTAMINANTS | Test Panel VOC1-VOLATILE ORGANIC

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0027	CHLOROFORM	LT	0.5000		0.5000	ug/L
0028	BROMODICHLOROMETHANE	LT	0.5000		0.5000	ug/L
0029	DIBROMOCHLOROMETHANE	LT	0.5000		0.5000	ug/L
0030	BROMOFORM	LT	0.5000		0.5000	ug/L
0045	VINYL CHLORIDE	LT	0.5000	2.0000	0.5000	ug/L
0046	1,1 DICHLOROETHYLENE	LT	0.5000	7.0000	0.5000	ug/L
0047	1,1,1 TRICHLOROETHANE	LT	0.5000	200.0000	0.5000	ug/L
0048	CARBON TETRACHLORIDE	LT	0.5000	5.0000	0.5000	ug/L
0049	BENZENE	LT	0.5000	5.0000	0.5000	ug/L
0050	1,2 DICHLOROETHANE	LT	0.5000	5.0000	0.5000	ug/L
0051	TRICHLOROETHYLENE	LT	0.5000	5.0000	0.5000	ug/L
0052	1,4 DICHLOROETHYLENE	LT	0.5000	75.0000	0.5000	ug/L
0053	CHLOROMETHANE	LT	0.5000		0.5000	ug/L
0054	BROMOMETHANE	LT	0.5000		0.5000	ug/L
0056	METHYLENE CHLORIDE (DICHLOROMETHANE)	LT	0.5000	5.0000	0.5000	ug/L
0057	TRANS- 1,2 DICHLOROETHYLENE	LT	0.5000	100.0000	0.5000	ug/L
0058	1,1 DICHLOROETHANE	LT	0.5000		0.5000	ug/L
0060	CIS- 1,2 DICHLOROETHYLENE	LT	0.5000	70.0000	0.5000	ug/L
0062	1,1 DICHLOROPROPENE	LT	0.5000		0.5000	ug/L
0063	1,2 DICHLOROPROPANE	LT	0.5000	5.0000	0.5000	ug/L
0064	DIBROMOMETHANE	LT	0.5000		0.5000	ug/L
0066	TOLUENE	LT	0.5000	1000.0000	0.5000	ug/L
0067	1,1,2 TRICHLOROETHANE	LT	0.5000	5.0000	0.5000	ug/L
0068	TETRACHLOROETHYLENE	LT	0.5000	5.0000	0.5000	ug/L
0070	1,3 DICHLOROPROPANE	LT	0.5000		0.5000	ug/L
0071	CHLOROETHYLENE	LT	0.5000	100.0000	0.5000	ug/L
0072	1,1, 1, 2 TETRAC HL OROETHANE	LT	0.5000		0.5000	ug/L
0073	ETHYLBENZENE	LT	0.5000	700.0000	0.5000	ug/L
0074	M/P XYLENES(M CL FORT OTAL	LT	0.5000		0.5000	ug/L
0075	O- XYLENE (MCL FOR TOTAL)	LT	0.5000		0.5000	ug/L
0076	STYRENE	LT	0.5000	100.0000	0.5000	ug/L
0078	BROMOBENZENE	LT	0.5000		0.5000	ug/L
0079	1,2,3 TRICHLOROPROPANE	LT	0.5000		0.5000	ug/L
0080	1,1,2,2 TETRACHLOROETHANE	LT	0.5000		0.5000	ug/L
0081	O- CHLOROTOLUENE	LT	0.5000		0.5000	ug/L
0082	P- CHLOROTOLUENE	LT	0.5000		0.5000	ug/L
0083	M- DICHLOROBENZENE	LT	0.5000		0.5000	ug/L
0084	1,2 DICHLOROBENZENE	LT	0.5000	600.0000	0.5000	ug/L
0085	TRICHLOROFLUOROMETHANE	LT	0.5000		0.5000	ug/L
0086	BROMOCHLOROMETHANE	LT	0.5000		0.5000	ug/L
0087	ISOPROPYLBENZE	LT	0.5000		0.5000	ug/L
0088	N- PROPYLBENZENE	LT	0.5000		0.5000	ug/L
0089	1,3,5 TRIMETHYLBENZENE	LT	0.5000		0.5000	ug/L
0090	TERT- BUTYLBENZENE	LT	0.5000		0.5000	ug/L
0091	1,2,4 TRIMETHYLBENZENE	LT	0.5000		0.5000	ug/L
0092	SEC- BUTYLBENZENE	LT	0.5000		0.5000	ug/L
0093	P-ISOPROPYLTOLUENE	LT	0.5000		0.5000	ug/L
0094	N-BUTYLBENZENE	LT	0.5000		0.5000	ug/L
0095	1,2,4 TRICHLOROBENZENE	LT	0.5000	70.0000	0.5000	ug/L
0096	NAPHTHALENE	LT	0.5000		0.5000	ug/L
0097	HEXACHLOROBUTADIENE	LT	0.5000		0.5000	ug/L
0098	1,2,3 TRICHLOROBENZENE	LT	0.5000		0.5000	ug/L
0104	DICHLORODIFLUOROMETHANE	LT	0.5000		0.5000	ug/L
0154	1,3 DICHLOROPROPENE	LT	0.5000		0.5000	ug/L
0160	TOTAL XYLENES	LT	0.5000	10000.0000	0.5000	ug/L
0427	EDB (screening)	LT	0.5000		0.5000	ug/L
0428	DBCP (screening)	LT	0.5000	80.5000	0.5000	mg/L
0031	TOTAL TRIHALOMETHANE	ND		80.40000		ug/L

Analyte Group RAD-RADIONUCLIDES | Test Panel RAD-RADIONUCLIDES

0039	RADIUM 226	LT	1.0000	5.0000	1.0000	pCi/L
0165	GROSS ALPHA	LT	3.0000		3.0000	pCi/L
0166	RADIUM 228	LT	1.0000	5.0000	1.0000	pCi/L

Analyte Group IOC-INORGANIC CONTAMINANTS | Test Panel NITRATE SUITE

0039	NITRATE-N	EQ	4.0200	10.0000	0.5000	mg/L
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To help you better understand the terms in this report, we provide the following definitions:

ACTION LEVEL (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

MAXIMUM CONTAMINANT LEVEL (MCL): The "Maximum Allowed" (MCL) 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 (MCLG): 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.

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.

PICOCURIES PER LITER (PCI/L): Picocuries per liter is a measure of the radioactivity in water.

TREATMENT TECHNIQUE (TT): A required process intended to reduce the level of a contaminant in drinking water.

VARIANCES & EXEMPTIONS (V&E): State or EPA permission not to meet and MCL or a treatment technique under certain conditions.

Microbiological Contaminants:

TOTAL COLIFORM: Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other potentially harmful bacteria may be present. If coliforms are found in more samples than allowed, this is a warning of potential problems.

FECAL COLIFORMS/E COLI: Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches or other symptoms. They may pose a special health risk for infants, young children and people with severely compromised immune systems.

TURBIDITY: Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses and parasites that can cause symptoms such as nausea.

Inorganic Contaminants:

NITRATE: Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome. Nitrate

SPOKANE WATER SOURCE

With the City of Spokane as a water source through 2 interties, we are required to provide testing results for all sources. The testing information and table below is provided by the City of Spokane for their water system. This report provides a summary of the drinking water monitoring conducted during 2019, as well as a comprehensive overview of past monitoring. A complete copy of the City of Spokane's Water Quality Report can be found on our website, www.cawh.org.

The City of Spokane's water is of very high quality. Many different tests are conducted at varying intervals to confirm that the City's drinking water meets Washington State and federal EPA drinking water quality standards. The City drinking water supply, to date, has consistently met all state and federal standards. This report is meant to provide consumers and other interested parties with insight into what analytical tests have been conducted, and in some cases, substances that have been detected. The state and federal Maximum Contaminant Level (MCL) information is provided as a risk benchmark. This report also summarizes the amount of water the City used in 2019, and documents some indicators to show the progress being made to meet conservation goals adopted by the City in its Water Stewardship Strategic Plan.

All of the City of Spokane's drinking water comes from the Spokane Valley-Rathdrum Prairie Aquifer - designated a sole source aquifer in 1978. The Spokane Valley-Rathdrum Prairie Aquifer slowly flows through two different states and a number of different counties and is the source water for a large number of water purveyors, including the City of Spokane. This water and any contaminants freely move across political boundaries. Many groups and/or private individuals may claim this

in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider.

COPPER: Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's disease should consult their personal doctor.

LEAD: Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight defects in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.



water to be used for diverse purposes. Some of these competing interests include (but are not limited to) drinking water rights, irrigation, fisheries, hydroelectric power, and industrial processes. The Spokane Aquifer (that portion of the larger aquifer lying within Washington State) and the Spokane River exchange water. While the aquifer contains a large volume of water, many factors play into the volume of water in the Spokane River, complicating the management of these resources. Some of these factors include pumping for irrigation and potable water, hydroelectric dam operations, and the variations of weather and precipitation. Learn more about the Spokane Valley-Rathdrum Prairie Aquifer by downloading the Aquifer Atlas from www.spokanecounty.org/1227/SVRP-Aquifer-Home

The City of Spokane's Water Department delivers up to 180 million gallons of clean, safe drinking water every day to more than 220,000 people in our community. The City's water system is the third largest in the state of Washington, behind Seattle and Tacoma. Our water system includes pumps, reservoirs, seven source wells, and more than 1,000 miles of water mains and

smaller water lines that bring water from our wells to homes and businesses.

Due to the porous nature of the ground surface and the number of potential contaminant sources, the possibility of contaminating the aquifer exists if good housekeeping measures are not followed for all activity over and adjacent to the aquifer. The physical and economic health of our area depends on the quality of our drinking water. In order to safeguard water quality, the City continues its efforts to make available to the community information about, and appropriate disposal mechanisms for, dangerous wastes that are generated in the Aquifer Sensitive Area. The City, in cooperation with other local governments and the Spokane Aquifer Joint Board, continues to work toward strengthening regulations for the storage and use of critical materials to safeguard the local water supply.

For further information regarding the City of Spokane's drinking water, and to view their full report for 2017, please contact us at (509) 244-5429 or:

For additional information regarding the City of Spokane's drinking water or related issues:

City of Spokane Water Department
(509) 625-7800 | www.spokanewater.org

City of Spokane- Environmental Programs
(509) 625-6570 | www.greenspokane.org

Spokane County - Water Resources
(509) 477-3604 | www.spokanecounty.org/wqmp

Spokane Regional Health District - Environmental Health Div.
(509) 324-1560
www.srhd.org/services/environment.asp

Washington State Department of Health - Eastern Regional Office (Drinking Water)
(509) 329-2100
www.doh.wa.gov/YouandYourFamily/HealthyHome/DrinkingWater

Washington State Department of Ecology- Eastern Regional Office
(509) 329-3400 | www.ecy.wa.gov

U.S. EPA Safe Drinking Water
(800) 426-4791 | www.epa.gov/your-drinking-water

Source protection information

We compiled Source Water Assessment Program (SWAP) data for all community PWSs in Washington. SWAP data for your PWS is online at:

<http://www.doh.wa.gov/CommunityandEnvironment/DrinkingWater/SourceWaterProtection/Assessment.aspx>

If you don't have access to the Web, we encourage you to use the Internet service available through the public library system.



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www.cawh.org

City of Airway Heights Municipal Code **13.04.181 Restrictions on Irrigation**

Irrigation shall be prohibited between the hours of 10:00 a.m. and 6:00 p.m. during the months of June, July, August and September.

Please call our office at (509) 244-5429 if you have questions.

We work around the clock to provide top quality water to every tap. We ask that all of our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

Our **Water**.
Our **Future**.
Our **Priority**.

2020 ANNUAL WATER QUALITY REPORT

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 the City of Airway Heights reminds you to check your plumbing fixtures and irrigation systems every year to reduce the potential losses.

If you feel your usage appears higher than normal, please call City Hall at (509) 244-5578 to request our services.

IMPORTANT HEALTH INFORMATION

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by contacting the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791), on line at www.epa.gov/your-drinking-water/safe-drinking-water-hotline, or you can access additional information at EPA website: www.epa.gov/your-drinking-water

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 microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).