2022

Dear Valued Patron of Orchard Avenue,

Orchard Avenue Irrigation meets the guidelines set by the government. The information about your water quality was gathered during the year 2021. Each year the District is required to provide specific water samples to governing agencies and must comply with their standards to provide safe drinking water.
(Please see the back page for more information)

In addition to monthly and annual samples, in 2021 the District was required to test for Lead and Copper, Nitrates, Gross Alpha, and Radium 228. Small amounts of some contaminates may be found in tap and bottled water. The presence of contaminates does not always indicate that water may be a risk to your health.

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As water travels over land or through the ground, it dissolves minerals and naturally occurring radioactive material. Water can also pick up substances that result from animal or human activity.

Your water comes from two underground wells and is pumped directly from the well to your tap. This method of collecting and serving water may be considered the most protected. Our water is naturally purified by passing through rock beds. This exposes our water to more natural elements than if it were exposed to the above ground environment.

Contaminants that may be present in source water before it is treated:

- **Inorganic contaminants:** salts and metals can be naturally-occurring. They can result from urban stormwater runoff, industrial or domestic wastewater discharge, oil or gas production, and mining or farming.
- **Organic chemical contaminants:** synthetic and volatile organic chemicals are by-products of industrial processes and petroleum production. They can also come from gas stations, urban stormwater runoff and septic systems.
- **Microbial contaminants:** viruses and bacteria that can come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- **Herbicides and pesticides:** can come from a variety of sources including agriculture and residential uses.
- **Radioactive contaminants:** can be naturally occurring.

It is important to remember that some people may be more vulnerable to contaminants in drinking water. If needed, please seek advice from a health care professional.

Every day the District Manager works toward providing safe drinking water to our customers. This will always be our highest priority.
If you have a concern, regular board meetings at the district office are on the third Tuesday of each month at 6:00 P.M.

If you have a drinking water emergency, please call the safe drinking water hotline. For more helpful information and tips, please visit their website.

www.epa.gov/safewater
Safe Drinking Water Hotline: 800-426-4791

Orchard Avenue Irrigation-8101 East Buckeye Avenue

Annual Drinking Water Quality Report January 1 to December 31 2021

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

Parameter	Measure	Level (MCL)	MCL Goal	Highest Detected Level Pumping Stations Well 1	Well 2	Likely Source of Contamination	Violation
MICROBIOLOGY							
62 Tests were taken during this reporting period							
Total Coliform Bacteria		0	0	No Constituents Detected		None Detected	No
Fecal Coliform and E. Coli		0	0	No Constituents Detected			No
INORGANIC CHEMICALS [IOC]							
Inorganic Chemicals have been tested for, including				Date: 07/23/19	Date: 07/23/19		None
	Action levels NOT exceeded			Date: 07/23/19	Date: 07/23/19		
ARSENIC	ppm	5	5	0.005	n/a	Erosion of natural deposits;	None
				Date: 05/13/20	Date: 05/13/20	Runoff from fertilizer use;	None
NITRATES	ppm	10	10	1.86	1.83	Leaching from septic tanks, sewage;	None
SYNTHETIC ORGANIC CHEMICALS	Action levels NOT exceeded			Date: 05/19/21			
				No Constituents Detected			
Herbicides/Pesticides	Action levels NOT exceeded			Date: 08/17/16			None
VOLATILE ORGANIC COMPOUNDS	Action levels NOT exceeded						
Volatile Organic Chemicals have been tested for				Date:09/01/21			
Orchard Avenue Irrigation has obtained a waiver				No Constituents Detected			None
20 LEAD & COPPER Regulated at the Customer's Tap		Action levels NOT exceeded		Date: 05/19/21			
				Action levels NOT exceeded		Corrosion of household plumbing system	None

ORCHARD AVE IRRIGATION
8101 E. Buckeye Ave
Spokane WA 99212
Ph: 509-926-4563

Orchard Avenue Irrigation
has been providing
pristine water
since June 1920

Contact Person:

Terms and Abbreviations:

n/a: **not applicable**
nd: **not detectable**
ppb: **parts per billion or micrograms per liter**
ppm: **parts per million or milligrams per liter**

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

Maximum Contaminant Level or MCL:
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 or MCLG:
The level of a contaminant in drinking water below which there is no known or expected risk to health.

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 (MCLs) Maximum Contaminant Levels.

We are proud that your drinking water meets or exceeds all Federal and State requirements. 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.

EPA's Safe Drinking Water Hotline 1-800-426-4791