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# Annual Drinking Water Quality Report

## 2024 Water Year

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### ***Is My Water Safe?***

The Oquirrh Mountain Water Company is pleased to present to you, our customer, with the most current Drinking Water Quality report. This report is designed to inform you about the quality of the 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. The Oquirrh Mountain Water Company provides its consumers with ground water. Our water sources are three deep wells (Hole in the Rock, Big Canyon and Connor wells) located in the Northern part of the Oquirrh Mountains in Tooele County. I'm pleased to report that our drinking water meets federal and site requirements. This report shows our water quality and what it means to you our customer.

### ***Lead Service Line Inventory Information***

Oquirrh Mountain Water Company has completed an initial lead service line inventory. This inventory includes information on the service line material that connects water mains to buildings/houses. An inventory of the pipes, plumbing, fittings and fixture within the Oquirrh Mountain Water Company's Distribution system were determined to be lead free. These inventory reports are publicly available and can be accessed at Oquirrh Mountain Water Company's website: [www.omwc.us](http://www.omwc.us).

### ***Drinking Water Source Protection Plan***

The Drinking Water Source Protection Plan for Oquirrh Mountain Water Company is available for your review. It contains information about source protection zones, potential contamination sources and management strategies to protect our drinking water. Our sources are in remote and protected areas and have a low level of susceptibility to potential contamination source. We have also developed management strategies to further protect our sources from contamination. Please contact us if you have questions or concerns about our source protection plan.

### ***Drinking Water Backflow Prevention Program***

There are many connections to our water distribution system. When connections are properly installed and maintained, the concerns are very minimal. However, unapproved and improper piping changes or connections can adversely affect not only the availability, but also the quality of the water. A cross connection may let polluted water or even chemicals mingle into the water supply system when not properly protected. This not only compromises the water quality but can also affect your health. So, what can you do? Do not make or allow improper connections at your homes. Even that unprotected garden hose lying in the puddle next to the driveway is a cross connection. The unprotected lawn sprinkler system after you have fertilized or sprayed is also a cross connection. When the cross connection is allowed to exist at your home, it will affect you and your family first. If you'd like to learn more about helping to protect the quality of our water, call us for further information about ways you can help.

### ***Oquirrh Mountain Water Quality Data***

Oquirrh Mountain Water Company routinely monitors contaminants in our drinking water in accordance with the Federal and Utah State laws. The following table shows the results of our monitoring for 2022. It is important to remember that all water sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health.

If you have any questions about this report or concerning your water utility, please contact Keith Fryer, 7780 N Buckhorn Road, Lake Point, Utah 84074. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. Our next meeting will be held on March 11<sup>th</sup>, 2025 at 6 PM via Zoom.

<b><i>Source Water Information</i></b>		
<b><u>Source Water Name</u></b>	<b><u>Type of Water</u></b>	<b><u>Source ID</u></b>
Hole In the Rock Well	Ground Water	WS001
Big Canyon Well	Ground Water	WS002
Connor Well	Ground Water	WS003

## TEST RESULTS

Contaminant	Violation Y/N	Level Detected ND/Low-High	Unit Measurement	MCLG	MCL	Date Sampled	Likely Source of Contamination
<b>Microbiological Contaminants</b>							
Total Coliform Bacteria	N	ND	N/A	0	Presence of coliform bacteria in 5% of monthly samples	2022	Naturally present in the environment
Fecal coliform and <i>E.coli</i>	N	ND	N/A	0	If a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or <i>E. coli</i> positive	2022	Human and animal fecal waste
Turbidity for Ground Water	N	1.2	NTU	N/A	5	2022	Soil runoff
<b>Inorganic Contaminants</b>							
Antimony	N	ND	ppb	6	6	2022	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic	N	1.6	ppb	0	10	2022	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Asbestos	N	0.106	MFL	7	7	2022	Decay of asbestos cement water mains; erosion of natural deposits
Barium	N	ND	ppb	2000	2000	2022	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium	N	ND	ppb	4	4	2022	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
Cadmium	N	ND	ppb	5	5	2022	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries & paint
Carbon, Total Organic (TOC)	N	ND	ppm	NA	TT	2022	Naturally present in the environment
Chromium	N	ND	ppb	100	100	2022	Discharge from steel and pulp mills; erosion of natural deposits
Copper a. 90% results b. # of sites that exceed the <b>AL</b>	N	a. 0.044 b. 0.000	ppm	1.3	AL=1.3	2022	Corrosion of household plumbing systems; erosion of natural deposits
Cyanide	N	ND	ppb	200	200	2022	Discharge from steel metal factories, Discharge from plating and fertilizer factories
Fluoride	N	0.172	ppb	4000	4000	2022	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead a. 90% results b. # of sites that exceed the <b>AL</b>	N	a. 1.5 b. 0.0	ppb	0	AL=15	2022	Corrosion of household plumbing systems, erosion of natural deposits
Mercury (inorganic)	N	ND	ppb	2	2	2022	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Nickel	N	ND	ppb	100	100	2022	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland

Nitrate (as Nitrogen)	N	0.82	ppm	10	10	2024	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrate (as Nitrogen)	N	0.85	ppb	1000	1000	2022	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	N	1.5	ppb	50	50	2024	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium	N	22.8	ppm	None set by EPA	None set by EPA	2022	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills
Sulfate	N	20.3	ppm	1000	1000	2022	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills, runoff from cropland
<i>If the sulfate level of a public water system is greater than 500 ppm, the supplier must satisfactorily demonstrate that: a) no better water is available, and b) the water shall not be available for human consumption from commercial establishments. In no case shall water having a level above 1000 ppm be used.</i>							
TDS [Total Dissolved Solids]	N	300	ppm	2000	2000	2022	Erosion of natural deposits
<i>If TDS is greater than 1000 ppm the supplier shall demonstrate to the Utah Drinking Water Board that no better water is available. The Board shall not allow the use of an inferior source of water if a better source is available.</i>							
Thallium	N	ND	ppb	1	2	2022	Leaching from ore-processing sites; discharged from electronics, glass, and drug factories
<b>Disinfection By-products</b>							
TTHM [Total trihalomethanes]	N	1.3	ppb	0	80	2022	By-product of drinking water disinfection
Halo Acetic Acids	N	26.2	ppb	0	60	2022	By-product of drinking water disinfection
Chlorine	N	0.41	ppb	4000	4000	2022	Water additive used to control microbes
<b>Radioactive Contaminants</b>							
Alpha emitters	N	3.5	pCi/l	0	15	2022	Erosion of natural deposits
Combined Radium	N	1.8	pCi/l	0	5	2022	Erosion of natural deposits
Radium 226	N	0.23	pCi/l	0	5	2022	Erosion of natural deposits
Radium 228	N	0.023	pCi/l	0	5	2022	Erosion of natural deposits

## Terms and Abbreviations Used

In the following table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

**Non-Detects (ND)** - laboratory analysis indicates that the constituent is not present.

**ND/Low - High** - For water systems that have multiple sources of water, the Utah Division of Drinking Water has given water systems the option of listing the test results of the constituents in one table, instead of multiple tables. To accomplish this, the lowest and highest values detected in the multiple sources are recorded in the same space in the report table.

**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 (ug/l)** - 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.

**Million Fibers per Liter (MFL)** - million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

**Nephelometric Turbidity Unit (NTU)** - Nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

**Action Level (AL)** - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which 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.

**Maximum Residual Disinfectant Level Goal (MRDLG)** - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**Date**- Because of required sampling time frames i.e. yearly, 3 years, 4 years and 6 years, sampling dates may seem outdated.

## ***Monitoring and Reporting Violations***

As you can see from the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements.

## ***Why are there contaminants in my drinking water?***

Drinking water, including bottled water, may reasonably be expected to contain at least a small amount of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and the potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline at (800-426-4791). The sources of drinking water (both tap and bottled water) include rivers, lakes, streams, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity: microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agricultural, urban storm water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the number of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Oquirrh Mountain Water Company is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. Lead in drinking water is primarily from material and components associated with service lines and home plumbing. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. If your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. Lead in drinking water is rarely the sole cause of lead poisoning, but it can add to a person's total lead exposure. All potential sources of lead in the household should be identified and removed, replaced or reduced. 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 at <http://www.epa.gov/safewater/lead>.

If present, lead can cause serious health problems, especially for pregnant women and young children. To assess corrosion of lead and copper, Oquirrh Mountain Water Company routinely conducts tap sampling for lead and copper at selected sites within its distribution system.

## ***Important Health Information***

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised people such as people with cancer undergoing chemotherapy, people 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 from their health care providers about drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

## ***For More Information***

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