SUNRISE WATER CO.

2024 ANNUAL WATER QUALITY REPORT
PWS ID # AZ04-07-070

We are pleased to present to you this year's water quality report. Our goal is to provide you with a safe and dependable supply of drinking water.

Marvin Collins, Manager
623-972-6133

This report covers the period from
January 1, 2024 to December 31, 2024.

Este informe contiene información muy importante sobre el agua usted beber. Tradúzcalo o hable con alguien que lo entiende bien.

Definitions of Terms Used In This Report

AL = Action level- The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that water system must follow.

MCL = Maximum Contaminant Level – 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.

MCLG = Maximum Contaminant Level Goal – 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.

MRDL=Maximum Residual Disinfectant Level – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG= Maximum Residual Disinfectant Level Goal – 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.

ND= None Detected

ng/L= nanogram per liter

ppm = parts per million, can also be stated as mg/l milligrams per liter.

Ppb or ug/L = parts per billion, can also be stated as ug/l micrograms per liter.

pCi/L= Picocuries per liter, Measure of the radioactivity in water

TT = Treatment Technique, Required process intended to reduce the level of a contaminant in drinking water.

NTU = Nephelometric Turbidity Unit, Measure of how light is scattered by particulate matter in water.

Source Water Assessment Summary

Based on the information available on the hydrogeologic settings of and the adjacent land uses that are in the specified proximity of the drinking water source(s) of Sunrise Water Co., the department has given a low risk designation for the degree to which Sunrise Water Co. drinking water source(s) are protected. A low risk designation indicates that most source water protection measures are either already implemented, or the hydrogeology is such that the source water protection measures will have little impact on protection.

Further source water assessment documentation can be obtained by contacting ADEQ.

Chemical Monitoring

Note to our water users: The state requires us to monitor for certain contaminants less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of our data, such as for organic contaminants, though representative, may be more than one year old.

WATER HARDNESS

Water hardness is around 12 grains per gallon or expressed in ppm is 205.

Free water conservation material, landscape and watering information is available for our customers by contacting our office at 623-972-6133 or visits our web site

www.jdcwater.com

The sources of drinking water (both tap and bottle) include rivers, lakes, streams, ponds, 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.

In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount 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.

Drinking Water Contaminants

A. **Microbiological contaminants**: Such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

B. **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.

C. **Pesticides and Herbicides**: Such as agriculture, urban storm water runoff and residential uses that may come from a variety of sources

D. **Organic Chemical Contaminants**: Such as synthetic and volatile organic chemicals which are by-products of industrial processes and petroleum production, and also may come from gas stations, urban storm water runoff, and septic systems.

E. **Radioactive Contaminants**: That can be naturally occurring or be the result of oil and gas production and mining activities.

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. Some people may be more vulnerable to contaminants in drinking water than the general population. For more information about contaminants and potential health effects, or to receive a copy of the U. S. Environmental Protection Agency (EPA) and the U.S. Center for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and microbiological contaminants call the EPA Safe Drinking Water Hotline at 1-800-426-4791.

Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV-AIDS or other immune 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.

MESSAGE FROM THE EPA REGARDING ARSENIC HEALTH EFFECTS:

Arsenic is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems. If arsenic is less than or equal to the MCL, your drinking water meets EPA's standards. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water and continues to research the health effects of low levels of arsenic.

MESSAGE FROM THE EPA REGARDING LEAD HEALTH EFFECTS:

Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Sunrise Water Co. 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 potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. 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 www.epa.gov/safewater/lead.

MESSAGE FROM THE EPA REGARDING NITRATE HEALTH EFFECTS:

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause "blue baby syndrome". Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, and detected nitrate levels are above 5 ppm, you should ask advice from your health care provider.

Our Water Source

All of the water provided by Sunrise Water Co. comes from **groundwater** pumped from the West Salt River Valley Sub-Basin. Our water system is served by seven (7) wells that are located throughout our service area. Depth to groundwater in our area is typically around 450 feet.

The frequency of testing for specific contaminants varies in accordance with the regulations of the EPA and the Arizona Department of Environmental Quality (ADEQ).

Bacteriological Monitoring (RTCR)

Seven (7) Samples are taken each month throughout the water distribution system

Detected Constituent	Total Coliform Bacteria
Sample Date	2024
Results	1
MCL	0
MCLG	0
Violation	No
Likely Source	Naturally present in the environment.

Detected Constituent	Fecal Coliform and E.Coli
Sample Date	2024
Results	None Detected
MCL	0
MCLG	0
Violation	No
Likely Source	Human and animal fecal waste

Detected Constituent	Sodium
Sample Date	January 2024
No. of Analyses	1
Lowest Level	28 ppm
Highest Level	28 ppm
MCL	3000 ppm
MCLG	NA
Violation	None
Likely Source	Naturally Occurring Mineral

If you have questions or comments about this report or want more information, please feel free to contact our office at **623- 972-6133** or visit our website at **www.jdcwater.com.**

Treatment

We disinfect our water with chlorine to help prevent bacteriological contamination

Disinfectants and Disinfection Byproducts

Detected Constituent	Chlorine
Sample Date	2024
Lowest Level	0.80 ppm
Highest Level	1.30 ppm
Annual Average	1.07 ppm
MCL	4 ppm
MCLG	4 ppm
Violation	None
Likely Source	Water additive to control microbes.

Detected Constituent	Total Trihalomethanes
Sample Date	July, 2024
No. of Analyses	2
Lowest Level	0.0194 ppm
Highest Level	0.0326 ppm
MCL	0.08 ppm
MCLG	NA
Violation	None
Likely Source	By-Product of drinking water chlorination

Detected Constituent	***Total Haloacetic Acids*** (Five)
Sample Date	July, 2024
No. of Analyses	2
Lowest Level	0.0025 ppm
Highest Level	0.0052 ppm
MCL	0.06 ppm
MCLG	NA
Violation	None
Likely Source	By-Product of drinking water chlorination

Inorganic Constituents Detected

Detected Constituent	Arsenic
Sample Date	2024
Lowest Level	0.001 ppm
Highest Level	0.016 ppm
Average	0.0088
MCL	0.01 ppm
MCLG	NA
Violation	None
Likely Source	Erosion of natural deposits; runoff from orchards; runoff from glass and electronic production wastes.

Inorganic Constituents Detected

Detected Constituent	Barium
Sample Date	April 2022
Lowest Level	0.019 ppm
Highest Level	0.061 ppm
MCL	2 ppm
MCLG	2 ppm
Violation	None
Likely Source	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.

Detected Constituent	Chromium
Sample Date	April 2022
Lowest Level	0.0018 ppm
Highest Level	0.0018 ppm
MCL	0.1 ppm
MCLG	0.1 ppm
Violation	None
Likely Source	Discharge from steel and pulp mills; erosion of natural deposits.

Detected Constituent	Fluoride
Sample Date	April 2022
Lowest Level	0.17 ppm
Highest Level	0.48 ppm
MCL	4.0 ppm
MCLG	4.0 ppm
Violation	None
Likely Source Sunrise Water Co. does not add fluoride to the water.	Erosion of natural deposits; discharge from fertilizer and aluminum factories.

Detected Constituent	Nitrate
Sample Date	January 2024
Lowest Level	1.4 ppm
Highest Level	3.8 ppm
MCL	10 ppm
MCLG	10 ppm
Violation	None
Likely Source	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.

VOCs (Volatile Organic Chemicals)

Date Last Sampled: April 2022

Our sampling did not detect the presence of any VOCs.

SOCs (Synthetic Organic Chemicals)

Date Last Sampled: April 2022

Our sampling did not detect the presence of any SOCs

Lead and Copper Monitoring

Date Last Sampled for Lead:	August 2022
90th Percentile for Lead:	<5 ppb
Action Level	15 ppb
Violation:	None
Likely Source:	Household Plumbing
Number of Sites Exceeding Lead Action Level:	None

Date Last Sampled for Copper:	August 2022
90th Percentile for Copper:	0.21 ppm
Action Level	1.33 ppm
Violation:	None
Likely Source:	Household Plumbing
Number of Sites Exceeding Copper Action Level:	None

Radiochemical Analysis

Gross Alpha, Excl.Radon &U	
Sample Date	2023
Lowest Level	2.5 pCi/l
Highest Level	3.6 pCi/l
MCL	15 pCi/l
MCLG	NA
Violation	None
Likely Source	Erosion of natural deposits

Combined Radium 226/228	
Sample Date	April 2022
Lowest Level	<1 pCi/l
Highest Level	<1 pCi/l
MCL	5 pCi/l
MCLG	NA
Violation	None
Likely Source	Erosion of natural deposits

Sunrise Water Co.
Located on the second floor at
9098 W. Pinnacle Peak Road
Peoria, Arizona 85383.
Office 623-972-6133
Fax 623-566-8925

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