

Consumer Confidence Report for Calendar Year 2024

Este informe contiene información muy importante sobre el agua usted bebe.

Tradúscalo ó hable con alguien que lo entienda bien.

<https://espanol.epa.gov/espanol/recursos-e-informacion-sobre-el-ccr-para-los-consumidores>

Public Water System ID Number	Public Water System Name
AZ04-03712	GLEN CANYON NRA WAHWEAP
Contact Name and Title	Phone Number and Email
Adam Rymer	928-608-6331 Adam_Rymer@nps.gov

We want our valued customers to be informed about their water quality. If you would like to learn more about public participation or to attend any of our regularly scheduled meetings, please contact Adam Rymer at 828-507-8457 for additional opportunity and meeting dates and times.

This is our annual report about your drinking water quality, also called a Consumer Confidence Report or CCR. Having clean, safe water is one of the most important services we provide, and we want you to be as informed as possible about your drinking water.

This report provides you with information about where your water comes from, results of sampling that we have performed, and any issues or violations that happened over the previous year. This water quality report includes a table with the most recent water testing results within the last 5 years. The table shows if different germs and chemicals were in a safe range and met EPA's health standards. Look for the column in the table called "TT or MCL violation," to see if your utility found unsafe levels of any germs or chemicals.

You may also find real-time information about our water system at the Arizona Department of Environmental Quality (ADEQ) *Drinking Water Watch* website at https://azsdwis.azdeq.gov/DWW_EXT/

Drinking Water Sources

The sources of drinking water (both tap water and bottled water) 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.

Our water source(s):	Groundwater Well # U037121 - Utah 4	EPDS001
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Source Water Assessment

Making the water safe to drink starts by protecting the place it comes from. We work with state scientists at the Arizona Department of Environmental Quality (ADEQ) to examine water at its source to look for possible pollutants. This is called a Source Water Assessment (SWA).

Based on the information available at the time of the assessment on the hydrogeology and land uses around the drinking water source(s) of this public water system, the Arizona Department of Environmental Quality (ADEQ) has given a low vulnerability designation for the degree to which this public water system drinking water source(s) are protected.

A low vulnerability 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 information can be found on ADEQ's website: <https://azdeq.gov/source-water-protection>

Drinking Water Contaminants

Contaminants are any physical, chemical, biological, or radiological substance or matter in water. Contaminants that may be present in source water include:

- **Microbial Contaminants:** such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- **Inorganic Contaminants:** such as salts and metals, which can occur naturally in the soil or groundwater or may result from urban stormwater 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 agriculture, urban stormwater 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 stormwater runoff, and septic systems.
- **Radioactive Contaminants:** which can be naturally-occurring or be the result of oil and gas production and mining activities.

Vulnerable Population

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. In order to ensure that tap water is safe to drink, the Environmental Protection Agency (EPA) prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

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.

More information about contaminants, their potential health effects, and the appropriate means to lessen the risk can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 800-426-4791 or visiting the website epa.gov/safewater.

Definitions

Maximum Contaminant Level (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 (MCLG): 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.

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

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

Maximum residual disinfectant level goal or 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.

Maximum Residual Disinfectant Level (MRDL): 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.

Level 1 Assessment: A study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment: A very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Lead Informational Statement

Lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing.

GLEN CANYON NRA WAHWEAP is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. 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.

Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water.

To address lead in drinking water, public water systems were required to develop and maintain an inventory of service line materials by Oct 16, 2024. Developing an inventory and identifying the location of lead service lines (LSL) is the first step for beginning LSL replacement and protecting public health. The lead service inventory may be viewed online at: <https://pws-ptd.120wateraudit.com/GlenCanyonNRAW-AZ>. Please contact us if you would like more information about the inventory or any lead sampling that has been done.

If you are concerned about lead in your water and wish to have your water tested, contact GLEN CANYON NRA WAHWEAP and 828-507-8457 Adam_Rymer@nps.gov. 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>.

Water Quality Data – Regulated Contaminants

The following are terms related to water quality data presented in this table:

Not Applicable (NA): Sampling was not completed because it was not required by regulation.

Not Detected (ND or <): Not detectable at reporting limit.

Minimum Reporting Limit (MRL): The smallest concentration of a substance that can be reliably measured by a given analytical method.

Millirems per year (MREM): A measure of radiation absorbed by the body.

Nephelometric Turbidity Units (NTU): Measure of water clarity.

Million fibers per liter (MFL): Measure of asbestos fibers.

Picocuries per liter (pCi/L): Measure of the radioactivity in water.

ppm: Parts per million or Milligrams per liter (mg/L), equal to 1/1000 of a gram.

ppb: Parts per billion or Micrograms per liter (µg/L), equal to 1000 ppm.

ppt: Parts per trillion or Nanograms per liter (ng/L), equal to 1000 ppb.

ppq: Parts per quadrillion or Picograms per liter (pg/L), equal to 1000 ppt.

Microbiological (RTCR)	TT Violation Y or N	Number of Positive Samples	Positive Sample(s) Month & Year	MCL	MCLG	Sample Month & Year	Likely Source of Contamination
E. Coli	N	0	n/a	0	0	NA	Human and animal fecal waste
Disinfectants	MCL Violation Y or N	Running Annual Average (RAA)	Range of All Samples (Low-High)	MRDL	MRDLG	Sample Month & Year	Likely Source of Contamination
Chlorine/Chloramine (ppm)	N	0.9	0.2-0.9	4	4	Monthly 2024	Water additive used to control microbes
Disinfection By-Products	MCL Violation Y or N	Highest Level Detected	Range of All Samples (Low-High)	MCL	MCLG	Sample Month & Year	Likely Source of Contamination
Total Trihalomethanes (TTHM) (ppb)	N	8.1	6.2-8.1	80	N/A	7/2023	Byproduct of drinking water disinfection
Lead & Copper	MCL Violation Y or N	90 th Percentile	Number of Samples Exceeding AL	AL	ALG	Sample Month & Year	Likely Source of Contamination
Copper (ppm)	N	0.19	0	1.3	1.3	9/2024	Corrosion of household plumbing systems; erosion of natural deposits

Lead (ppb)	N	5.7	2	15	0	9/2024	Corrosion of household plumbing systems; erosion of natural deposits
Radionuclides	MCL Violation Y or N	Highest Level Detected	Range of All Samples (Low-High)	MCL	MCLG	Sample Month & Year	Likely Source of Contamination
Alpha Emitters (pCi/L)	N	10.4	10.4	15	0	11/2021	Erosion of natural deposits
Combined Radium-226 & -228 (pCi/L)	N	0.5	0.5	5	0	11/2021	Erosion of natural deposits
Inorganic Chemicals (IOC)	MCL Violation Y or N	Highest Level Detected	Range of All Samples (Low-High)	MCL	MCLG	Sample Month & Year	Likely Source of Contamination
Barium (ppm)	N	0.024	0.024	2	2	11/2021	Discharge of drilling wastes; discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	N	0.41	0.41	4	4	11/2021	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate ² (ppm)	N	1	0.599	10	10	12/2024	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium (ppb)	N	10	10	50	50	11/2021	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium (ppm)	N	170	170	N/A	N/A	11/2021	Erosion of natural deposits

Violation Summary

Chlorine

Some people who use water containing chlorine more than the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine more than the MRDL could experience stomach discomfort.

Violation Type	Violation Begin	Violation End	Violation Explanation	Corrective Action
Monitoring, Routine (DBP), Major	07/01/2024	07/31/2024	We tested our drinking water for the contaminant and period indicated however, our chain of custody was marked noncompliance and mixed up with our division of surface water. Because of this failure we must list violation on this report.	We are posting the non-compliance results from this sampling completed, 07/2024.
Monitoring, Routine (DBP), Major	10/01/2024	10/31/2024	We tested our drinking water for the contaminant and period indicated however, our chain of custody was marked noncompliance and mixed up with our division of surface water. Because of this failure we must list violation on this report.	We are posting the non-compliance results from this sampling completed, 07/2024.
Monitoring, Routine (DBP), Major	11/01/2024	11/30/2024	We tested our drinking water for the contaminant and period indicated however, our chain of custody was marked noncompliance and mixed up with our division of surface water. Because of this failure we must list violation on this report.	We are posting the non-compliance results from this sampling completed, 07/2024.
Monitoring, Routine (DBP), Major	12/01/2024	12/31/2024	We tested our drinking water for the contaminant and period indicated however, our chain of custody was marked noncompliance and mixed up with our division of surface water. Because of this failure we must list violation on this report.	We are posting the non-compliance results from this sampling completed, 07/2024.

Haloacetic Acids (HAA5)

Some people who use water containing chlorine more than the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine more than the MRDL could experience stomach discomfort.

Violation Type	Violation Begin	Violation End	Violation Explanation	Corrective Action
Monitoring, Routine	01/01/2024	12/31/2024	We tested our drinking water for the	We are posting the non-

(DBP), Major			contaminant and period indicated however, our chain of custody was marked noncompliance and mixed up with our division of surface water. Because of this failure we must list violation on this report.	compliance results from this sampling completed, 07/2024.
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Public Notification Rule

The Public Notification Rule helps to ensure that consumers will always know if there is a problem with their drinking water. These notices immediately alert consumers, if there is a serious problem with their drinking water (e.g. a boil water emergency).

Violation Type	Violation Begin	Violation End	Violation Explanation	Corrective Action
Public Notice Rule Linked to Violation	12/20/2024	2024	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.	We have posted the LCN online on the 120water portal and alongside this CCR online.

Revised Total Coliform Rule (RTCR)

The Revised Total Coliform Rule (RTCR) seeks to prevent waterborne diseases caused by E. coli. E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for immunocompromised persons.

Violation Type	Violation Begin	Violation End	Violation Explanation	Corrective Action
Public Notice Rule Linked to Violation	10/01/2024	10/31/2024	We tested our drinking water for the contaminant and period indicated. The link to the sample result is posted online.	We have posted the sample result for this monitoring period online.

Total Trihalomethanes (TTHM)

Some people who drink water containing trihalomethanes in excess of the MCL over many years' experience problems with their liver, kidneys, or central nervous systems and may have increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation	Corrective Action
Monitoring, Routine (DBP), Major	01/01/2024	12/31/2024	We tested our drinking water for the contaminant and period indicated however, our chain of custody was marked noncompliance and mixed up with our division of surface water. Because of this failure we must list violation on this report.	We are posting the non-compliance results from this sampling completed, 07/2024

For more information about these reports and what is required in them, visit EPA's website at:

<https://www.epa.gov/ccr/ccr-information-consumers>