

Public Meetings

The Water Systems Department encourages you to participate in decisions affecting drinking water. You are invited to attend regular City Council meetings on the second and fourth Tuesdays of every month to voice your concerns about drinking water. City Council meets at 6:00 p.m. at City Hall, 110 West Aztec Avenue, Gallup, New Mexico. Meeting dates and times are published in local newspapers, and agendas may be obtained from the City Clerk's office.

The public is invited to attend and participate in City of Gallup Sustainable Board meetings held the first Monday of every month from 3:00 p.m. to 5:00 p.m. at the City Manager's Conference Room, located at 110 West Aztec, to discuss current water issues and make recommendations to the City Council.

To find out more about the City of Gallup, visit our Web page at <http://www.gallupnm.gov>. You may also find information on the U.S. Environmental Protection Agency (U.S. EPA) water information Web site at <http://water.epa.gov/drink/index.cfm>.

Source Water Assessment

A Source Water Assessment Plan (SWAP) is now available at our office. This plan is an assessment of the delineated area around our listed sources through which contaminants, if present, could migrate and reach our source water. It also includes an inventory of potential sources of contamination within the delineated area, and a determination of the water supply's susceptibility to contamination by the identified potential sources.

According to the Source Water Assessment Plan, our water system had a susceptibility rating of "medium." If you would like to review the Source Water Assessment Plan, please feel free to contact our office during regular office hours.

En Español

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.



PO Box 1270
Gallup, NM 87305

Community Participation

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For more information about this report, or for any questions relating to your drinking water, please call Ernest Thompson, Water Department Superintendent, at (505) 863-1289.



CITY OF
GALLUP

PWS ID #3508317



2018 ANNUAL DRINKING Water Quality REPORT

Where Does My Water Come From?

Gallup's water is produced from 16 wells tapping underground supplies from two main underground aquifers: the Gallup Sandstone and the Dakota-Westwater. The Dakota Westwater Aquifer is separated from the Gallup Sandstone by a massive shale layer known as the Mancos Shale. The Gallup Sandstone is the shallower of the two and is several hundred feet thick. The wells are located up to 10 miles from the city center and range from 300 to 3,500 feet deep. They receive no recharge from surface sources (such as rain or snow) immediately above the well site. Being confined and not being in immediate contact with surface water, these aquifers are well-protected from contamination by surface sources in the vicinity of the well sites. Water is collected from these underground supplies then pumped to eight storage tanks. Gravity and pumps move water to our homes and businesses. Many of the water system's components – wells, pipes, storage tanks, and pumps – are old and deteriorating, so a great deal of resources is used to keep water flowing.

Our underground water is being used up. It is not replaced from natural sources. City water shortages in the not-too-distant future are predicted by experts. Our limited and uncertain water supply limits possibilities for growth, economic development, and new jobs. The City has worked to find new sources of water since early in our history. In recent years, water conservation has been recognized as the most cost-effective "source" of water.

A Water Conservation Program is administrated by the Water Conservation Coordinator at the Utilities and Engineering Service. This person administers a number of water-saving programs that have helped replace high-flow toilets, shower heads, clothes washers, and restaurant dishwashing equipment. Another program encourages replacement of private and public lawns and high water-use type landscaping, and use of the rain and snow water for landscaping and gardening. The coordinator also works with schools, businesses, and community groups to make people aware of our water problems and to suggest solutions. The coordinator will inspect businesses and make suggestions for improvements to equipment and landscaping, which will reduce water use and cost. These programs are believed to aid in the water consumption reduction and has lowered the City's cost to pump and distribute water as well as saving water for future use.

Utilities and Engineering Service is using a technology to understand and operate the water system effectively. A computerized control system using sensing equipment and radio communications continuously track the operating conditions at wells, pumps, water tanks, and other equipment, allowing utility personnel to operate the water system efficiently and to identify problems like water line breaks or developing pump problems. A computerized mapping system is also being developed.

Navajo Gallup Water Supply Project

The Navajo Gallup Water Supply Project (NGWSP) was authorized for construction under Public Law 111-11 in March 2009 and is scheduled for completion in 2025.

The City of Gallup has been working on the Navajo Gallup Water Supply Project (NGWSP) alongside the United States Department of Interior Bureau of Reclamation, State of New Mexico, the Navajo Nation, Northwest New Mexico Council of Governments, Indian Health Services, NTUA and surrounding Chapter House Communities since 2000. The NGWSP project was authorized for construction on

March 30, 2009 under PL-111-11. The NGWSP will provide long-term supply, treatment, and transmission of municipal and industrial water to the Navajo Nation, the Jicarilla Apache Nation, and the City of Gallup.

This past year, Reaches 27.6 and 27.7A have been completed, which connect the north side of the City's water transmission network to the transmission and storage system on the east side of the City, near the Indian Hills neighborhood. Work has commenced on a new tanks at Red Rock Park and south of the city plus a new booster station feeding the south side of town and a meter station to feed to the east of town, with a scheduled completion in November 2018. The City has obtained funding via a Water Trust Board loan to put Reach 27.9 out to bid this summer; Reach 27.9 is a 24-inch pipeline that will connect the Gameraco tanks to the water transmission system near the Santa Fe well field near the west-central part of the City. The Bureau of Reclamation began work on Blocks 9-11 of the water transmission system north of the City, which will eventually allow for water delivery to the City north of the Yah-ta-hey Pump Station; this portion of the NGWSP will be completed near the end of 2019.

The Gallup Rural Navajo Water Supply Project (GRNWSP) is a major component of the NGWSP and is planned to deliver over 13,000 acre feet of drinking water to the City of Gallup, Navajo Chapters and surrounding rural areas.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or <http://water.epa.gov/drink/hotline>.

Substances That Could Be in Water

To ensure that tap water is safe to drink, the U.S. EPA prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that the water poses a health risk.

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, in some cases, radioactive material, and substances resulting from the presence of animals or from human activity. Substances 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, or wildlife; Inorganic Contaminants, such as salts and metals, which can be naturally occurring 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 may also come from gas stations, urban stormwater runoff, and septic systems; Radioactive Contaminants, which can be naturally occurring or may be the result of oil and gas production and mining activities.

For more information about contaminants and potential health effects, call the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

It's a SMART IDEA...

Consider signing up for (5) water & energy saving rebates for City of Gallup Utility customers:

- 1) \$100 or \$75 utility bill credit for replacing older than 1994, water guzzling Toilets & Showerhead Rebate - Commercial customers can get a \$75 credit per toilet, while Residential customers can get a \$100 utility bill credit for the first toilet, \$75 for the second, and \$50 for the third toilet; with new WaterSense certified toilets. Saving \$ on your utility bill, a family of four can re-pay a new toilet price in 2 to 3 years, while saving more in the future.
- 2) \$100 utility bill credit for switching out old Clothes Washers
- 3) \$30 utility bill credit for replacing Refrigerators with new high efficient models;
- 4) \$30 utility bill credit for installing two water saving Rain Barrels;
- 5) \$25 utility bill credit per each 10 square feet converting high water using green grass to water thrifty Xeriscape landscapes.

How do I qualify for Utility Bill Credits?

Sign-up for the rebate program of your choice, visit www.gallupnm.gov, and type in the "Search Gallup" box: "Rebates" or call 863-1393 for more information.

All utility customers who have old, water guzzling 3.5 gallon per flush (gpf) toilets in their building, with billing accounts in good standing, qualify for a toilet rebate. Buildings in which toilets have already been retrofitted with new 1.6 (gpf) are already water saving fixtures and do not qualify.

Toilets represent one of the single largest water users inside your home. Get a 63% water savings with new WaterSense certified toilets compared to older than 1994, 3.5 gallon per flush toilets. Call # 863-1393 to find out if your business or residential family can qualify for Toilet & Showerhead Rebates. Get an additional 60% water savings with a new 1.5 gallon per minute (gpm) showerhead and 1/2 gpm faucet aerators.

Look for this Logo on water saving fixtures. WaterSense is a partnership program sponsored by EPA with the goal of protecting the future of the U.S. water supply by promoting and enhancing the market for water efficient products and services. The City of Gallup is a WaterSense partner.

Are you ready to chase down leaks? Household leaks can waste more than 1 trillion gallons of water annually nationwide. Fix the leaks, and save valuable water and money all year long.

Sign up and save \$ and our most precious valuable resource today! ***



We are pleased to present to the citizens of Gallup, our annual water quality report covering all testing performed between January 1 and December 31, 2018. Our water is monitored for many different kinds of contaminants on a very strict sampling schedule. The information below represents only those substances that were detected; our goal is to keep all detects below their respective maximum allowed levels. The State recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

REGULATED SUBSTANCES

| SUBSTANCE (UNIT OF MEASURE) | YEAR SAMPLED | MCL [MRDL] | MCLG [MRDLG] | AMOUNT DETECTED | RANGE LOW-HIGH | VIOLATION | TYPICAL SOURCE |
|-------------------------------------|--------------|------------|--------------|-----------------|----------------|-----------|---|
| Alpha Emitters (pCi/L) | 2017 | 15 | 0 | 3.3 | ND - 3.3 | No | Erosion of natural deposits |
| Arsenic (ppb) | 2017 | 10 | 0 | 1 | ND - 1.0 | No | Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes |
| Beta/Photon Emitters* (pCi/L) | 2017 | 50 | 0 | 5.3 | 5.2 - 5.3 | No | Decay of natural and man-made deposits |
| Chlorine (ppm) | 2018 | [4] | [4] | 1.39 | 0.63 - 1.39 | No | Water additive used to control microbes |
| Combined Radium (pCi/L) | 2017 | 5 | 0 | 1.37 | 0.26-1.37 | No | Erosion of natural deposits |
| Fluoride (ppm) | 2017 | 4 | 4 | 0.87 | 0.63 - 0.87 | No | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories |
| Haloacetic Acids [HAA] (ppm) | 2018 | 60 | NA | 9 | 0.97-23 | No | By-product of drinking water disinfection |
| TTHMs [Total Trihalomethanes] (ppm) | 2018 | 80 | NA | 24 | 0.97-36 | No | By-product of drinking water disinfection |
| Barium (ppm) | 2018 | 0.1 | 0 | 0.021 | ND-0.021 | No | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |
| Uranium (ppb) | 2017 | 30 | 0 | ND | ND | No | Erosion of natural deposits |

* The MCL for beta particles is 4 mrem/year. U.S. EPA considers 50 pCi/L to be the level of concern for beta particles.

COPPER & LEAD – Tap water samples were collected for lead and copper analyses from sample sites throughout the community

| SUBSTANCE (UNIT OF MEASURE) | YEAR SAMPLED | AL | MCLG | AMOUNT DETECTED (90TH PERCENTILE) | SITES ABOVE AL/TOTAL SITES | VIOLATION | TYPICAL SOURCE |
|--------------------------------|--------------|-----|------|-----------------------------------|----------------------------|-----------|--|
| Copper (ppm) | 2017 | 1.3 | 1.3 | 0.07 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |
| Lead (ppb) | 2017 | 15 | 0 | 1 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |

UNREGULATED CONTAMINANT MONITORING RULE – PART 3 (UCMR3)*

| SUBSTANCE (UNIT OF MEASURE) | YEAR SAMPLED | AMOUNT DETECTED | RANGE LOW - HIGH |
|--------------------------------|--------------|-----------------|------------------|
| Molybdenum (ppb) | 2013 | 1.3 | ND - 1.3 |
| Chlorate (ppb) | 2013 | 36 | ND - 36 |
| Strontium (ppb) | 2013 | 390 | 79 - 390 |

* We are awaiting testing results from the new 4th stage of the EPA's Unregulated Contaminant Monitoring Rule (UCMR4) by performing additional tests on our drinking water. UCMR4 benefits the environment and public health by providing the EPA with data on the occurrence of contaminants suspected to be in drinking water, in order to determine if EPA needs to introduce new regulatory standards to improve drinking water quality. Contact us for more information on this program.

Definitions

In the tables above, you may find many terms and abbreviations you are not familiar with. To help you better understand these terms we've provided the following definitions:

- **90th percentile:** The levels reported for lead and copper represent the 90th percentile of the total number of sites tested. A percentile is a value on a scale of
- **AL (Action Level):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Additional Information for Arsenic

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic which 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.

Lead in Home Plumbing

If present, elevated levels of 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. Gallup Water System 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. 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 from the Safe Drinking Water Hotline or at www.epa.gov/lead

Navajo Gallup Water Supply Project

The Navajo Gallup Water Supply Project (NGWSP) was authorized for construction under Public Law 111-11 in March 2009 and is scheduled for completion in 2025. The USBR/City of Gallup Repayment Contract No. 11-WC-40-435 requires the City of Gallup to pay 35% of our allocated cost of \$168,613,329 or \$59,014,665. The USBR will pay about \$879,133,910 for the San Juan Lateral and Gallup Regional Water System. The State of New Mexico Water Trust Board (WTB) has contributed approximately \$21,465,365 in grants, thus far, to build the Gallup Regional Water System. It is anticipated that the State will receive credit toward their \$50,000,000.00 share of the project with WTB grants and cash payments.

Navajo Gallup Water Supply Project

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It's that time again! We proudly present to the citizens of Gallup, our annual water quality report covering all testing performed between January 1 and December 31, 2018. We are committed to produce drinking water that meets all state and federal standards. As your Mayor, the Council and I want to ensure you that we remain vigilant in looking for and implementing new methods for bringing you the best quality drinking water. As new requirements for drinking water safety become known, we remain persistent in meeting the goals of source water protection, water conservation, and community education while continuing to serve the needs of all our water users.



Please share with us your thoughts or concerns about the information in this report. After all, knowledgeable customers are our best supporters.

Jackie McKinney
Mayor

- **LRAA (Locational Running Annual Average):** The average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters. Level Detected values for TTHMs and HAAs are reported as LRAAs.
- **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.
- **NA:** Not applicable
- **ND (Not detected):** Indicates that the substance was not found by laboratory analysis.
- **pCi/L (picocuries per liter):** A measure of the radioactivity in water.
- **ppb (parts per billion):** One part by weight of analyte to 1 billion parts by weight of the water sample.
- **ppm (parts per million):** One part by weight of analyte to 1 million parts by weight of the water sample.
- **TT (Treatment Technique):** A required process intended to reduce the level of a contaminant in drinking water.

Important Information about your Drinking Water

Monitoring requirements not met for Gallup Water System

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what happened, what you should do, and what we are doing.

We are required to monitor your drinking water specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During November 2018 we failed to conduct required source water monitoring following a Total Coliform-positive sample within the designated timeframe and, therefore, cannot be sure of the quality of our drinking water during that time.

What should you do?

There is nothing you need to do at this time.

What does this mean?

One requirement of public water systems is the periodic monitoring of tap water for the presence of bacterial contaminants. Whenever our water system has a routine Total Coliform-positive sample, we are required by law to conduct source water monitoring within 24 hours of notification. Following a Total Coliform-positive sample on November 19, 2018, we did not collect the required source water sample within the timeframe designated by the state. Therefore, we cannot be sure of the quality of your drinking water during that time.

What happened? What is being done?

Gallup water system failed to collect triggered source water monitoring samples following a buyer system Total coliform positive sample on 11/19/2018, the chain of custody forms for samples collected on

11/20/2018 had missing and incorrect critical information. The city resampled on 11/27/2018 and was back in compliance on 11/30/2018. Both the original samples and the retest samples were negative for total coliform so there was no health issues.

Date that the system expects to come back into compliance: 11/30/2018

(Note: Return To Compliance is achieved once the system conducts triggered source water monitoring of each of the groundwater sources in use at the time of the Total Coliform Positive)

For more information, please contact Dennis Romero at 505-863-1289 or PO Box 1270, GALLUP, NM 87305.