

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

Community Participation The public is invited to attend and participate in City of Gallup Sustainable Board (SGB) meetings held the first Monday of every month from 3:30 p.m. to 5:00 p.m. at the City Octavia Fellin Library - back room, located at 115 W Hill Ave; and, Keep Gallup Clean and Beautiful (KGCB) meetings held from 4:00-5:30pm, location TBD; to discuss sustainability issues as Advisory Boards to the Gallup City Council. For questions relating to these Boards - please call (505) 863-1393. For more information about this report, or for any water related questions please call 863-1207.



CITY OF
GALLUP

PWS ID: NM3508317

2020 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 administered 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 was scheduled for completion in 2024. However, this deadline will not be met as the US Bureau of Reclamation (USBR) is evaluating a request from the Navajo Nation to add a storage reservoir component to the project. This would entail using the San Juan Generating Station's reservoir to store water diverted from the San Juan River prior to it being treated and delivered to project participants by way of the San Juan Lateral. The Navajo Nation and US Bureau of Reclamation have requested that all project participants lobby Congress to extend the completion date of the project. The City is currently considering this request.

The project currently has an indexed cost of approximately \$1.35 billion. 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 \$182,928,917 or \$64,025,121. The State of New Mexico Water Trust Board (WTB) has contributed approximately \$36,600,000 in grants, thus far, to build the Gallup Regional Water System, which is a component of the NGWSP. It is anticipated that the State will receive credit toward their \$50 million share of the project with WTB grants and cash payments.

The US Bureau of Reclamation has informed project participants that its latest construction estimate exceeds authorized funding by approximately \$248 million and has requested project participants lobby Congress to increase the authorized cost ceiling and obtain additional funding to complete the project. The City is currently considering this request.

The City of Gallup has been working with the USBR, the State of New Mexico, the Navajo Nation, the Northwest New Mexico Council of Governments, and Indian Health Services since Congress authorized a feasibility study of the project in 1971. The NGWSP will provide a long-term supply of municipal and industrial water to the Navajo Nation, the Jicarilla Apache Nation, and the City of Gallup. It will deliver over 13,000 acre feet of drinking water to the City of Gallup, Navajo Chapters and surrounding rural areas.

This past year, the City began construction of Reach 27.10, with a scheduled completion date of June 2021; completed the design of Reach 27.11 and will put it out for construction bid in April 2021; and obtained Water Trust Board Funding for Reach 27.7B. The City is on track to complete construction of the Gallup Regional Water System prior to the Congressional deadline of December, 2024.

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.

Sign Up for Savings...

Choose from (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 replacing 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** to convert high water using green grass – into water thrifty **Xeriscape** landscapes.

How do I qualify for Utility Bill Credits?

- Visit www.gallupnm.gov; Type in the "Search Gallup" box: "Rebates", or call (505) 863-1393 for more information.
- Toilets represent one of the single largest water users inside your home.
- All city utility customers who have old, water guzzling 3.5 gallon per flush (gpf) toilets in their building, with utility bill accounts in good standing, qualify for a toilet rebate. *Newer toilets installed in buildings that have already been retrofitted with to 1.6 (gpf), are already water saving fixtures, and do not qualify.*
- Look forward to 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 City of Gallup – 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 compared to old fixtures.

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

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, 2020. 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)	2017/2018	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)	2020	[4]	[4]	0.9	1	No	Water additive used to control microbes
Combined Radium (pCi/L)	2017	5	0	1.63	1.39 - 1.63	No	Erosion of natural deposits
Fluoride (ppm)	2017/2018	4	4	0.88	0.63 - 0.88	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Haloacetic Acids [HAA] (ppb)	2020	60	NA	6.15	1.7 - 7.1	No	By-product of drinking water disinfection
TTHMs [Total Trihalomethanes] (ppb)	2020	80	NA	32.5	5.3 - 37	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
Nitrate/Nitrite (ppm)	2020	10	10	0.06	ND - 0.06	No	Runoff from fertilizer use
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)	2020	1.3	1.3	0.05	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead (ppb)	2020	15	0	1	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

UNREGULATED CONTAMINANT MONITORING RULE - PART 4 (UCMR4)

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE (LOW - HIGH)
HAA5 (ug/L)	2018/2019	3	ND - 3
HAA6Br (ug/L)	2018/2019	8.5	ND - 8.5
HAA9 (ug/L)	2018/2019	9.5	79 - 390
Manganese (ug/L)	2018/2019	30.9	5.3 - 30.9
Germanium (ug/L)	2018/2019	0.6	ND - 0.6
Bromide FS (ug/L)	2018/2019	97.1	66.6 - 97.1



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

The City of Gallup proudly presents the results of monitoring done on its drinking water for the period from January 1 to December 31, 2020. The purpose of this report is to advance consumers' understanding of drinking water and heighten awareness of the need to protect precious water resources. We are committed to producing a high quality drinking water that meets all state and federal standards. As your Mayor, the Council and I want to let you know how seriously we take our responsibility in providing you the best possible drinking water within our means. Because of this, we have hired some very capable water operators, utility planners and engineers to run our water system – we appreciate their professionalism and contributions to our community! We are ever vigilant with meeting the goals of source water protection, water conservation and community education while continuing to meet the needs of our residents.



I encourage you to share your thoughts and ideas with us about the information in this report. This is your City. Your water system. Your home. We are here to serve you.

Louis Bonaguidi
Mayor

Public Notice

Important Information About Your Drinking Water Monitoring Requirements Not Met for Gallup Water System Water

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 for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During September 2020, we did not complete all monitoring requirements for Total Coliform 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?

Our water system is required by law to collect 25 monthly total coliform samples. During this reporting period, we did not collect all the required samples.

What happened? What is being done?

One of our samples had a clerical error on the address that even though the sample was negative for Total Coliform caused the sample result to be rejected. This is a non-sampling violation that does not affect the quality of the water provided to customers. The system is now conducting additional reviews of the sampling chain of custody documents to ensure this violation does not occur again.

Date that system collected next valid routine sample: 10-20-2020

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

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.
- **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.