Albuquerque Bernalillo County
Water Utility Authority

Agenda Item No. 10a

Meeting Date: May 21, 2025
Staff Contact: Danielle Shuryn, Compliance Division Manager

TITLE: OB-25-10 – Drinking Water Consumer Confidence Report for 2024

ACTION: Receipt Be Noted

BACKGROUND:
Each year the Albuquerque Bernalillo County Water Utility Authority (Water Authority) prepares a Consumer Confidence Report to let customers know about the quality of the drinking water as reported the previous calendar year. The Consumer Confidence Report is a public notice that is required by the Environmental Protection Agency (EPA) to be issued to customers by July 1 each year and must contain information on sources of water, treatment provided, as well as definitions of terms and laboratory results.

SUMMARY:
The water supply is safe to drink and meets all EPA standards. The Water Authority goes beyond EPA requirements to test the drinking water more frequently to ensure continuous quality. This is done by monitoring at entry points to distribution, the distribution system, and customer taps. The Water Quality Report also provides additional information on water quality topics of concern such as monitoring for unregulated contaminants, voluntary lead testing, and provides resources to find further information.

FISCAL IMPACT:
None

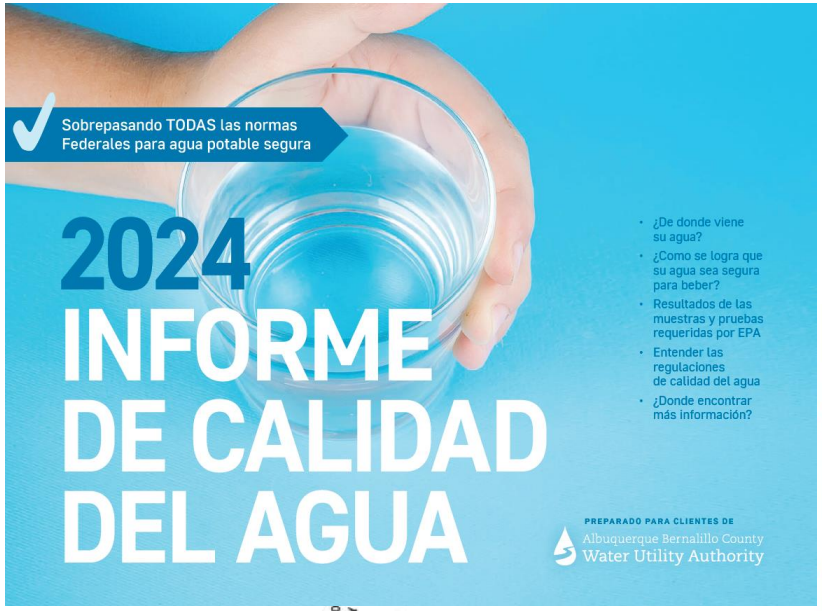
Drinking Water Consumer Confidence Report for 2024

May 2025

Danielle Shuryn
Compliance Division Manger

Albuquerque Bernalillo County
Water Utility Authority

EPA Required Annual Water Quality Report



- ✓Drinking water quality report identifying all substances that were detected in the water during the previous year
- ✓Compares all detections to federal drinking water quality standards
- ✓Required public notice to educate customers on water quality

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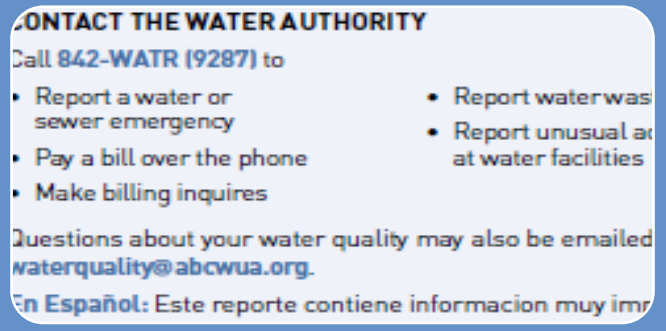
Required Outreach and Education

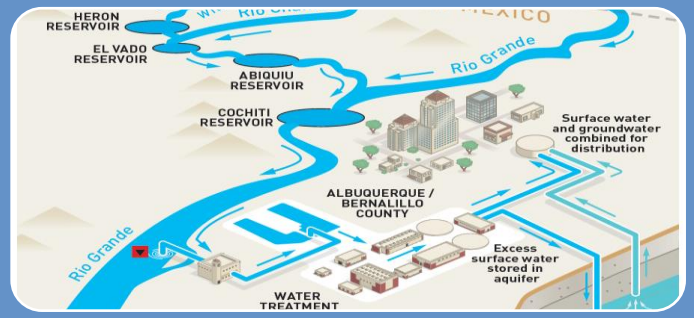

CONTACT THE WATER AUTHORITY

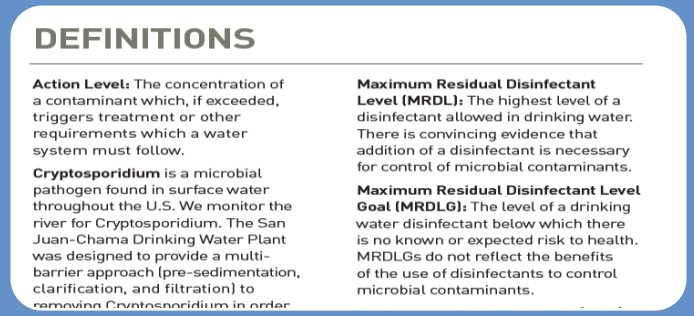
Call 842-WATR (9287) to

- Report a water or sewer emergency
- Pay a bill over the phone
- Make billing inquires
- Report waterwas
- Report unusual ac at water facilities

Questions about your water quality may also be emailed waterquality@abcwua.org.

En Español: Este reporte contiene informacion muy imp




DEFINITIONS

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

Cryptosporidium is a microbial pathogen found in surface water throughout the U.S. We monitor the river for Cryptosporidium. The San Juan-Chama Drinking Water Plant was designed to provide a multi-barrier approach (pre-sedimentation, clarification, and filtration) to removing Cryptosporidium in order

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.

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.

Water System Information

- Contact Information
- How to get involved or learn more

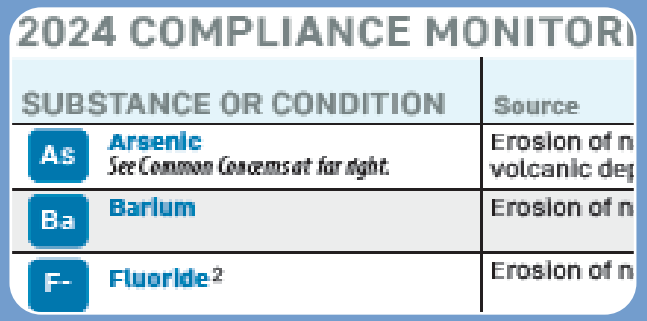
Where our Water Comes From

- Groundwater
- Surface water

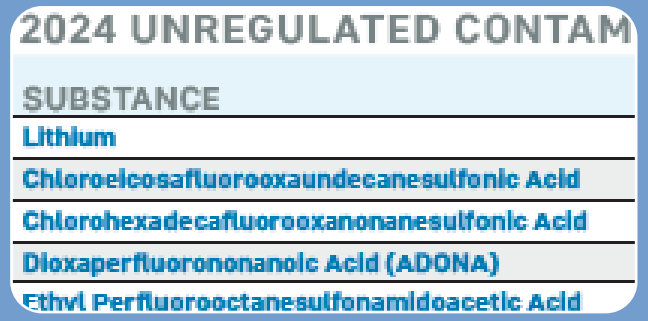
Standard Definitions

Albuquerque Bernalillo County Water Utility Authority

Required Laboratory Results


2024 COMPLIANCE MONITORI

SUBSTANCE OR CONDITION	Source
As Arsenic *See Common Concerns at far right.*	Erosion of n volcanic de
Ba Barium	Erosion of n
F- Fluoride[2]	Erosion of n


2024 UNREGULATED CONTAM

SUBSTANCE
Lithium
Chloroeicosafluorooxaundecanesulfonic Acid
Chlorohexadecafluorooxanonanesulfonic Acid
Dioxaperfluorononanoic Acid (ADONA)
Ethyl Perfluorooctanesulfonamidoacetic Acid

Detected substances during compliance monitoring and the common source of each one

Unregulated Contaminant Monitoring Rule – UCMR5

- Lithium

-PFAS compounds

Education on types of contaminants, which are substances that can be natural or manmade

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Definitions & Units of Measure

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

Cryptosporidium is a microbial pathogen found in surface water throughout the U.S. The San Juan-Chama Drinking Water Plant was designed to provide a multi-barrier approach (pre-sedimentation, clarification, and filtration) to removing Cryptosporidium in order to meet the EPA requirements.

Locational Running Annual Average (LRAA): The average of analytical results for samples taken at a particular monitoring location during the previous four calendar quarters.

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.

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.

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.

Nephelometric Turbidity Unit (NTU): A measure of cloudiness or haziness caused by suspended solids.

Parts Per Billion (PPB): Parts per billion or micrograms per liter (ug/L). 1 PPB = 0.001 PPM. Example: one drop of water in an Olympic-size swimming pool.

Parts Per Million (PPM): Parts per million or milligrams per liter (mg/L). 1 PPM = 1,000 PPB. Example: four drops of water in a 55-gallon barrel.

Parts Per Trillion (PPT): Parts per trillion or nanogram per Liter (ng/L). 1 PPB = 1,000 PPT. Example: one grain of sugar in 10 million gallons of water.

picoCuries per liter (pCi/L): A measure of radioactivity.

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

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Systemwide Detections

2024 COMPLIANCE MONITORING RESULTS (Albuquerque Water System, NM35-10701)

SUBSTANCE OR CONDITION	Source	Sample Year(s)	Detection Limit *(lowest amount that can be detected with available technology)*	Minimum Detected	Average Detected System-wide	Average Detected at San Juan-Chama Drinking Water Plant	Maximum Detected	Maximum Contaminant Level *(MCL)*	Maximum Contaminant Level Goal *(MCLG)*	SAFE TO DRINK PER EPA[1]
As **Arsenic** *See Common Concerns at far right.*	Erosion of natural volcanic deposits	2024	1 PPB	Zero PPB	2.5 PPB	Zero PPB	5.0 PPB	10.0 PPB	Zero PPB	✓
Ba **Barium**	Erosion of natural deposits	2024	0.01 PPM	0.035 PPM	0.047 PPM	0.059 PPM	0.059 PPM	2 PPM	2 PPM	✓
F- **Fluoride**[2]	Erosion of natural deposits	2024	0.10 PPM	0.68 PPM	0.93 PPM	0.68 PPM	1.17 PPM	4 PPM	4 PPM	✓
Gross Alpha Particle Activity	Erosion of natural deposits	2023	0.7 - 1.0 pCi/L	Zero pCi/L	0.7 pCi/L	0.7 pCi/L	1.6 pCi/L	15 pCi/L	Zero pCi/L	✓
NO_3^- **Nitrate**	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	2024	0.05 PPM	Zero PPM	0.38 PPM	0.13 PPM	3.07 PPM	10 PPM	10 PPM	✓
Ra **Radium 226 + 228**	Erosion of natural deposits	2023	0.01 - 0.21 pCi/L	0.02 pCi/L	0.13 pCi/L	0.04 pCi/L	0.50 pCi/L	5 pCi/L	Zero pCi/L	✓
U **Uranium**	Erosion of natural deposits	2023	1 PPB	Zero PPB	2.0 PPB	Zero PPB	6 PPB	30 PPB	Zero PPB	✓
BrO_3^- **Bromate**	By-product of drinking water disinfection	2024	1 - 5 PPB	Zero PPB	Not Applicable	0.9 PPB	2.3 PPB	10 PPB	Zero PPB	✓
Cl **Chlorine**	Disinfectant	2024	0.1 PPM (distribution system)	0.3 PPM	0.9 PPM	Not Applicable	1.7 PPM	4 PPM (MRDL)	4 PPM (MRDLG)	
			0.03 PPM (surface water)	0.6 PPM	Not Applicable	1.3 PPM	1.4 PPM	4 PPM (MRDL)	4 PPM (MRDLG)	✓
			0.03 PPM (groundwater)	TT met at 100% of sites (TT= Maintain required chlorine level or restore within 4 hours)				TT	TT	
Cryptosporidium *(untreated water)*	Human and animal fecal waste	2015-2017	1 Oocyst/L	Zero Oocysts/L	Not Applicable	0.004 Oocysts/L	0.093 Oocysts/L	TT	Zero Oocysts/L	✓
Turbidity *(cloudiness; indicates effectiveness of filtration and disinfection)*	Soil runoff	2024	0.002 NTU	0.03 NTU	Not Applicable	Not Applicable	0.13 NTU	1 NTU in all finished water samples, 95% of the finished water samples must be less than 0.3 NTU	Zero NTU	✓
C **Total Organic Carbon**	Naturally present in the environment	2024	1 PPM	Zero PPM	Not Applicable	1.1 PPM	1.8 PPM	TT	Not Applicable	✓
Total Coliform	Coliforms are bacteria that are normally present in the environment	2024	Not Applicable	Not Applicable	Not Applicable	Not Applicable	0 of 245 samples or 0% of samples taken in a month had detectable total coliform bacteria	Presence of coliform bacteria in 5.0% or more of samples in any month	0% of samples with detectable coliform bacteria	✓

SUBSTANCE	Source	Sample Year	Detection Limit	Range of Results[3]	Maximum LRAA	Maximum Contaminant Level *(MCL) Disinfection by-products are regulated based on the LRAA*	Maximum Contaminant Level Goal *(MCLG)*	
HAA5 **Total Haloacetic Acids** *(HAA5)*	By-product of chlorination	2024	0.48 - 0.50 PPB	0 - 19 PPB	16.6 PPB	60 PPB	Not Applicable	✓
TTHM **Total Trihalomethanes** *(TTHM)*	By-product of chlorination	2024	0.50 PPB	2.2 - 41 PPB	38.8 PPB	80 PPB	Not Applicable	✓

SUBSTANCE	Source	Sample Year	Detection Limit	90th Percentile	Number of Samples that Exceed Action Level	Maximum Detected	Action Level *(Compared to the concentration detected in the 90th percentile sample.)*	Maximum Contaminant Level Goal *(MCLG)*	
Pb **Lead** *See Common Concerns at far right.*	Corrosion of household plumbing	2024	1 PPB	Zero PPB	Zero	3 PPB	15 PPB	Zero PPB	✓
Cu **Copper**	Corrosion of household plumbing	2024	0.01 PPM	0.28 PPM	Zero	0.42 PPM	1.3 PPM	1.3 PPM	✓

Albuquerque Bernalillo County Water Utility Authority

The Unregulated Contaminant Monitoring Rule

2024 UNREGULATED CONTAMINANT MONITORING RESULTS

SUBSTANCE	Sample Year	Minimum Reporting Level	Range of Results	Average Detected Results
Lithium	2024	10 PPB	12 PPT-71 PPB	34 PPB
Chloroeicosafluorooxaundecanesulfonic Acid	2024	1.70 PPT	Zero PPT	Zero PPT
Chlorohexadecafluorooxanonanesulfonic Acid	2024	1.70 PPT	Zero PPT	Zero PPT
Dioxaperfluorononanoic Acid (ADONA)	2024	1.70 PPT	Zero PPT	Zero PPT
Ethyl Perfluorooctanesulfonamidoacetic Acid	2024	1.80 PPT	Zero PPT	Zero PPT
Hexafluoropropylene Oxide Acid (GenX)	2024	1.80 PPT	Zero PPT	Zero PPT
Methyl Perfluorooctanesulfonamidoacetic Acid	2024	1.80 PPT	Zero PPT	Zero PPT
Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluoro(2-ethoxyethane)sulfonic Acid	2024	1.60 PPT	Zero PPT	Zero PPT
Perfluoro-3-methoxypropanoic Acid (PFMPA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluoro-4-methoxybutanoic Acid (PFMBA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluorobutanesulfonic Acid (PFBS)	2024	1.60 PPT	Zero PPT	Zero PPT
Perfluorobutanoic Acid (PFBA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluorodecane Sulfonic Acid (8:2 FTS)	2024	1.70 PPT	Zero PPT	Zero PPT
Perfluorodecanoic Acid (PFDA)	2024	1.80 PPT	Zero PPT	Zero PPT

SUBSTANCE	Sample Year	Minimum Reporting Level	Range of Results	Average Detected Results
Perfluorododecanoic Acid (PFDoA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluoroheptanesulfonic Acid (PFHpS)	2024	1.70 PPT	Zero PPT	Zero PPT
Perfluoroheptanoic Acid (PFHpA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluorohexane Sulfonic Acid (4:2 FTS)	2024	1.70 PPT	Zero PPT	Zero PPT
Perfluorohexanesulfonic Acid (PFHxS)	2024	1.70 PPT	Zero PPT	Zero PPT
Perfluorohexanoic Acid (PFHxA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluorononanoic Acid (PFNA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluorooctane Sulfonic Acid (6:2 FTS)	2024	1.70 PPT	Zero PPT	Zero PPT
Perfluorooctanesulfonic Acid (PFOS)	2024	1.70 PPT	Zero PPT	Zero PPT
Perfluorooctanoic Acid (PFOA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluoropentanesulfonic Acid (PFPeS)	2024	1.70 PPT	Zero PPT	Zero PPT
Perfluoropentanoic Acid (PFPeA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluorotetradecanoic Acid (PFTA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluorotridecanoic Acid (PFTrDA)	2024	1.80 PPT	Zero PPT	Zero PPT
Perfluoroundecanoic Acid (PFUnA)	2024	1.80 PPT	Zero PPT	Zero PPT

Albuquerque Bernalillo County
Water Utility Authority

Lead Monitoring and Service Line Inventory

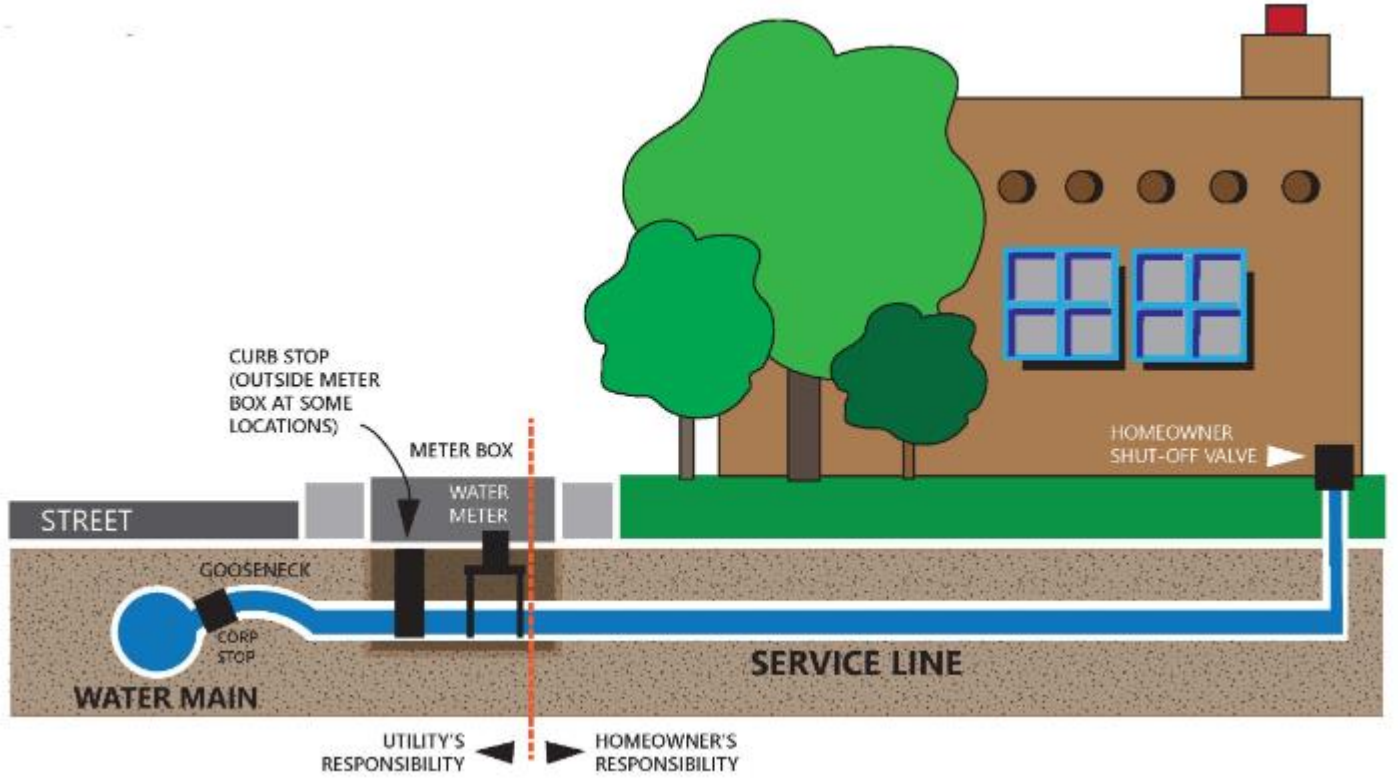
Should I be concerned about lead?

The Water Authority removes all known lead components from its water distribution system. However, the utility offers free lead and copper testing for customers concerned about their home plumbing fixtures. To schedule a test, visit www.abcwua.org/your-drinking-water-lead-sample-collection-request/ For more information about the Water Authority's current lead survey, see page 3.

RESULTS OF 2024 CUSTOMER-REQUESTED LEAD TESTING (117 SAMPLES)

SUBSTANCE	Minimum	Maximum Detected	90th Percentile	Action Level
Pb Lead	Zero PPB	9.2 PPB	1.3 PPB	15 PPB

Here's what the EPA has to say about lead: *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. Your local Water Authority is responsible for providing high quality drinking water, but cannot control the variety of materials used in home 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 federal Safe Drinking Water Hotline (800-426-4791) or at www.epa.gov/safewater/lead.*



https://lead-service-line-inventory-2-abcwua.hub.arcgis

LEAD SURVEY UNDERWAY

To identify any remaining lead components in the local water system, the Water Authority is conducting an inventory of all water service lines. An interactive map showing the current inventory status, and providing an opportunity for customer feedback, can be found on the Water Authority's Lead-Safe Community website: https://lead-service-line-inventory-2-abcwua.hub.arcgis.com/

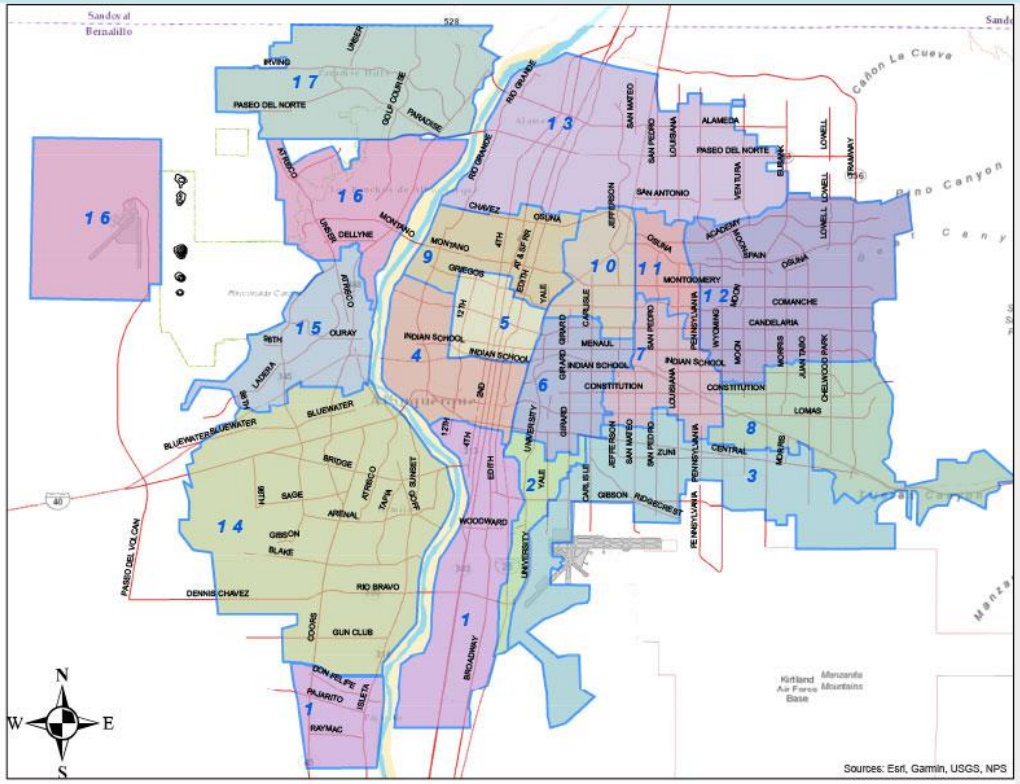
Albuquerque Bernalillo County
Water Utility Authority

Frequently Asked Questions and More Information

https://www.abcwua.org/your-drinking-water-water-quality-by-distribution-zone/

How to Use This Map

1. Find where you live on the map.
2. Look for the blue number/name labeling the zone bounded in blue surrounding your house. That is your distribution zone.
3. Click or tap on your distribution zone number/name for detailed reports on the water quality in your zone.



Is there arsenic in my drinking water?

All of Albuquerque's drinking water meets EPA standards for arsenic. Allowable levels of arsenic are present in some locations, mainly due to erosion of natural deposits. EPA continues to research the health effects of low levels of arsenic, which is a metal known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

What if I am immuno-compromised?

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. EPA/Centers for Disease Control guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

What about sodium?

For more information about Sodium levels in the Water Authority's service area, visit www.abcwua.org and click on the Your Water tab.

2024 SODIUM LEVELS

SUBSTANCE	Range	Average
Na Sodium		
Compliance monitoring	28-97 PPM	63 PPM
Special Distribution monitoring	16-76 PPM	32 PPM

Information about PFAS

Local drinking water remains protected from manmade chemicals known as Per- and Polyfluoroalkyl Substances (PFAS). The Water Authority's system began testing for PFAS as part of the most current EPA Unregulated Contaminant Monitoring Rule in June 2024.

Albuquerque Bernalillo County Water Utility Authority

Questions?

Albuquerque Bernalillo County
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