



This is your WATER QUALITY REPORT FOR JANUARY 1 TO DECEMBER 31, 2023

Information about your Drinking Water

The source of drinking water, (both tap water & 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.

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. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (800) 426-4791.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office.

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders, can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking water Hotline (800-426-4791).

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. We are responsible for providing high quality drinking water, but we 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 <http://www.epa.gov/safewater/lead>.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Definition and Abbreviations:

The following tables contain scientific terms and measures, some of which may require explanation.

Action Level:	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Avg:	Regulatory compliance with some MCLs are based on running annual average of monthly samples.
Level 1 Assessment:	A Level 1 assessment is 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 Level 2 assessment is 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.
Maximum Contaminant Level or 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 or 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 or 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 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.
MFL:	million fibers per liter (a measure of asbestos)
mrem:	Millirems per year (a measure of radiation absorbed by the body)
na:	not applicable
NTU:	nephelometric turbidity units (a measure of turbidity)
pCi/L:	picocuries per liter (a measure of radioactivity)
ppb:	micrograms per liter or parts per billion-
ppm:	milligrams per liter or parts per million-
ppg:	parts per quadrillion, or picograms per liter (pg/L)
ppt:	parts per trillion, or nanograms per liter (ng/L)
Treatment Technique or TT:	A required process intended to reduce the level of a contaminant in drinking water

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.

For More Information regarding this report contact:

North Alamo WSC at (956) 383-1618.

Este reporte incluye informacion importante sobre el agua para tomar.

Para asistencia en español, favor de llamar al telefono .

SOURCE WATER NAME LIST

Source Water Name	Type of Water	Report Status	Location
1-Lasara	Lasara	GW	A 6606 Hwy 186 Raymondville Texas
2-Owassa/Shallow	Owassa Shallow	GW	A 1108 E Owassa Rd San Juan Texas
3-Doolittle/Shallow	Doolittle Shallow	GW	A 420 S Doolittle Rd Edinburg Texas
4-Doolittle/Deep	Doolittle/Deep	GW	A 6031 N Victoria Rd Donna Texas
5-Donna 1	6031 Victoria Rd	GW	A 6031 N Victoria Rd Donna Texas
GW-North Cameron Regional WSC	CC From TX031015 2 North	GW	A 14995 State Hwy 107 Harlingen Texas
In Take 1		SW	A 425 S Doolittle Rd Edinburg Texas
In Take 2		SW	A 2124 W FM 2812 Edinburg Texas
In Take 4		SW	A 1112 E Owassa Rd San Juan, Texas
In Take 5		SW	A 6031 N Victoria Rd Donna Texas
In Take 6		SW	A 8550 Garcia St Monte Alto Texas
In Take 7 (Delta)		SW	A 7635 Monte Cristo Rd Edcouch Texas

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 be naturally-occurring or result from urban storm water 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 storm water runoff, and residential uses.
- **Organic Chemical Contaminant**, Including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- **Radioactive Contaminants**, Which can be naturally-Occuring or be the

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

During the past year we were required to conduct (one) level 1 assessment(s). (One) level 1 assessment(s) were completed. In addition, we were required to take (two) corrective actions and we completed (two) of these actions.

Disinfection By-Products	Collection Date	Highest Level Average Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorite	2023	0.92	0 - 0.92	0.8	1	ppm	N	By-Product of drinking water disinfection.
Haloacetic Acids (HAA5)	2023	30	0 - 47.8	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
**The value in the Highest level or Average Detected column is the highest average of all HAA5 sample results collected at a location over a year								
Total Trihalomethanes (TTHM)	2023	80	0 - 165	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

**The value in the Highest Level or Average Detected column is the highest average of all TTHM sample results collected at a location over a year

Inorganic Contaminants	Collection Date	Highest Level or Average Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Antimony	2023	1	0 - 1.2	6	6	ppb	N	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition
Arsenic	2023	3	0 - 5.8	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium	2023	0.118	0.0025 - 0.118	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Cyanide	2023	240	0-240	200	200	ppb	N	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
Fluoride	2023	0.6	0.23-0.57	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Nitrate [measured as Nitrogen]	2023	1	0-0.5	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Selenium	2023	3.4	0-3.4	50	50	ppb	N	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.

Radioactive Contaminants	Collection Date	Highest Level or Average Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	2023	6.9	0 - 6.9	0	50	pCi/L*	N	Decay of natural and man-made deposits.

*EPA considers 50 pCi/L to be the level of concern for beta particles.

Gross Alpha Excluding Radon & Uranium	2023	2	0 - 2	0	15	pCi/L	N	Erosion of natural deposits.
Uranium	2023	2.2	0 - 2.2	0	30	Ug/l	N	Erosion of natural deposits.

Turbidity	Level Detected	Limit (Treatment Technique)	Violation	Likely Source of Contamination
Highest single measurement	0.7 NTU	1 NTU	N	Soil runoff.
Lowest monthly % meeting limit	99%	0.3 NTU	N	Soil runoff.

Information Statement: Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration system and disinfectants.

Lead/Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violations	Likely Source of Contamination
Copper	2023	1.3	1.3	0.146	1	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2023	0	15	0	2	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits

Total Organic Carbon The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.

Disinfectant Residual								
Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation	Source in Drinking Water
Chloramines	2023	3.81	0.5-7.3	4	4	PPM	N	Water Additive used to control microbes.

Coliform Bacteria							
Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E.Coli Maximum Contaminant Level	Total No. of Positive E.Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination	
0	5% of monthly samples are positive	7.5		0	N	Naturally present in the environment	

Unregulated Contaminant Monitoring Data (UCMR)

Unregulated Contaminants	Collection Date	Average Level (ug/L)	Range of Levels Detected
Lithium	2023	37.77	20.9 - 48.2
PFBA	2023	0.00258	0.0052–0.0073

Unregulated Contaminants	Collection Date	Results (ug/L)
PFBS	2023	0.003
PFHxS	2023	0.0034
PFHxA	2023	0.0032

Violations

Chlorite

Some Infants and young children who drink water containing chlorite in excess of the MCL could experience nervous system effects. Similar effects may occur in fetuses of pregnant women who drink water containing chlorite in excess of the MCL. Some people may experience anema.

Violation Type	Violation Begin	Violation End	Violation Explanation
Monitoring, Routine (DBP), Major	04/01/2023	04/30/2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated

Total Trihalomethanes (TTHM)

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

Violation Type	Violation Begin	Violation End	Violation Explanation
Failure Submit OEL Report for TTHM	09/26/2023	03/11/2024	We failed to submit our operational evaluation level (OEL) report to our regulator. The report is needed to determine best treatment practices necessary to minimize possible future exceedances of TTHM.

Mandatory Language for Monitoring and Reporting Violation
Chemical Sampling
CHEMICAL MONITORING, ROUTINE MINOR

The **North Alamo Water Supply Corp** water system PWS ID **1080029** has violated the monitoring and reporting requirements set by Texas Commission on Environmental Quality (TCEQ) in Chapter 30, Section 290, Subchapter F. Public water systems are required to collect and submit chemical samples of water provided to their customers, and report the results of those samples to the TCEQ on a regular basis.

We failed to monitor and/or report the following constituents: Chlorite

This/These violation(s) occurred in the monitoring period(s) 4/2023
<monitoring period of violations>

Results of regular monitoring are an indicator of whether or not your drinking water is safe from chemical contamination. We did not complete all monitoring and/or reporting for chemical constituents, and therefore TCEQ cannot be sure of the safety of your drinking water during that time.

We are taking the following actions to address this issue:
We have met with our operational staff for the water plants and have gone over our standard operating procedures to ensure that all chemical monitoring samples are collected and reported as required monthly. Samples have been taken and we have returned the system to compliance.

<corrective actions>

Please share this information with all people who drink this water, especially those who may not have received this notice directly (i.e., people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

If you have questions regarding this matter, you may contact **Robert Rodriguez or Customer Service** at 956-383-1618.

Posted /Delivered on: 5/3/24
<Date Posted>

Instructions for preparing the required Public Notice:

Recopy the mandatory language above and insert the underlined information in the spaces indicated.

The TCEQ recommends that the public water system provide a copy of the Public Notice(s) to local and state officials, such as Mayors, City Council Members, County Commissioners, Judges, and/or State Representatives, that are located in or that represent the affected area(s) served by the system.

Public Notice delivery timelines:

The initial public notice shall be issued as soon as possible, but in no case later than 12 months after the violation was identified. Repeat public notice shall be issued every twelve months for as long as the violation persists. All notifications require the attached Certificate of Delivery due 10 days from the posting date of the above notice.

Refer to 30 TAC §290.122 for additional information on Public Notification.

**Public Notice Mandatory Language for Monitoring and Reporting Violation
Operational Evaluation Report**

The **North Alamo Water Supply Corp** water system PWS ID 1080029 has violated the monitoring and reporting requirements set by Texas Commission on Environmental Quality (TCEQ) in Chapter 30, Section 290, Subchapter F. Public water systems in exceedance of an operational evaluation level are required to conduct an evaluation of their source water, treatment and distribution operations and submit a report of their findings to the TCEQ.

We failed to conduct an operational evaluation and/or submit a report to the TCEQ.

This/These violation(s) occurred in the monitoring period(s) 2Q2023

We are taking the following actions to address this issue:

We have met with our operations staff and are ensuring that operational evaluation report is completed as required when an exceedance occurs. At this time we have completed the operational evaluation report for TTHM's for 2Q2023 and have returned to compliance.

<corrective actions>

Please share this information with all other people who drink this water, especially those who may not have received this notice directly (i.e., people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

If you have questions regarding this matter, you may contact Asst. G.M. Robert Rodriguez or Customer Service for North Alamo Water Supply Corporation at ph. 956-383-1618.

Posted/Delivered on: 5/3/24
<Date Posted>

Instructions for Preparing the Required Public Notice:

Recopy the mandatory language above and insert the underlined information in the spaces indicated.

The TCEQ recommends that the public water system provide a copy of the Public Notice(s) to local and state officials, such as Mayors, City Council Members, County Commissioners, Judges, and/or State Representatives, that are located in or that represent the affected area(s) served by the system.

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Refer to 30 TAC §290.122 for additional information on Public Notification.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Availability of Monitoring Data for Unregulated Contaminants for

North Alamo Water Supply Corporation

Our water system has sampled for a series of unregulated contaminants. Unregulated contaminants are those that don't yet have a drinking water standard set by EPA. The purpose of monitoring for these contaminants is to help EPA decide whether the contaminants should have a standard. As our customers, you have a right to know that these data are available. If you are interested in examining the results, please contact Robert Rodriguez, Asst. G.M. at (956)383-1618 or 420 South Doolittle Road, Texas 78541.

This notice is being sent to you by North Alamo Water Supply. State Water System ID# 1080029

Date distributed: 5/20/24