

## BETHEL-ASH WATER SUPPLY CORPORATION

2023 Annual Drinking Water Quality Report  
Consumer Confidence Report (CCR)

Annual Water Quality Report for the period of January 1 to December 31, 2023

Public Water System ID Number: **1070034 BETHEL PLANT**

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

For more information contact Cody Rayburn at 903-675-8466.

*Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono 903-675-8466.*

### Special Notice Required Language for ALL Community Public Water Supplies:

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.

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; those 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 provider. 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. Bethel-Ash WSC is 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 minimum exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

The source of drinking water used by Bethel-Ash WSC is Ground Water from the Wilcox Aquifer in Henderson & Van Zandt Counties.

### Information on Sources of Water

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 pickup 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 EPAs Safe Drinking Water Hotline at (800) 426-4791.

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 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 storm water runoff and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

### Information about Secondary Contaminants

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not causes for health concern. Therefore, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

### Public Participation Opportunities

Date: Board Meeting 2<sup>nd</sup> Tuesday  
Time: 6:00 P.M.  
Location: 6435 State Highway 19 N  
Athens, TX 75752  
Phone #: 903-675-8466

To learn about future public meetings (concerning your drinking water), or to request to schedule one, please call us.

# Information about Source Water Assessments

TCEQ completed an assessment of your source water and results indicate that some of your sources are susceptible to certain contaminants. The sampling requirements for your water system are based on this susceptibility and previous sample data. Any detections of these contaminants may be found in this Consumer Confident Report. For more information on source water assessments and protection efforts at our system, contact Cody Rayburn at 903-675-8466.

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<u>Source Water Name</u>	<u>Type of Water</u>	<u>Report Status</u>	<u>Location</u>
1 – Bethel Plant	GW	A	4302 County Rd 3923 Athens, TX 75752

## Definitions and Abbreviations *the following tables contain scientific terms & 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.

**Action Level Goal (ALG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

**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.

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**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

**ppq:** 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.

Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	09/15/2021	1.3	1.3	0.05	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.



## 2023 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	08/11/2022	1.2	1.2 - 1.2	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	08/11/2022	12.1	12.1 - 12.1	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 HAA5 sample results collected at a location over a year.

\*\*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 Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	2023	0.044	0.044 - 0.044	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	05/12/2021	0.101	0.101 - 0.101	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	0.0122	0.0122 - 0.0122	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

### Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Free Chlorine	2023	0.85	0.83 – 0.87	4	4	ppm	N	Water additive used to control microbes.



**Bethel Well is ROUTE 1 - To determine which well you are on, look at your water bill payment stub. On the right hand side of the card beside your account number is your ROUTE #.**

## BETHEL-ASH WATER SUPPLY CORPORATION

2023 Annual Drinking Water Quality Report  
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December 31, 2023

Public Water System ID Number: **1070240 LOWE PLANT**

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<u>Source Water Name</u>	<u>Type of Water</u>	<u>Report Status</u>	<u>Location</u>
2 – Lowe Plant	GW	A	3851 County Rd 3711 Athens, TX 75752

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Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2023	1.3	1.3	0.177	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2023	0	15	1.2	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

## 2023 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2023	9	8.7 - 8.7	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2023	23	22.8 - 22.8	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

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Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	04/07/2022	0.054	0.054 – 0.054	2	2	ppm	N	Discharge of drilling wastes. Discharge from metal refineries. Erosion of natural deposits.
Flouride	05/12/2021	0.116	0.116 – 0.116	4	4.0	ppm	N	Erosion of natural deposits. Water additive which promotes stonge teeth. Discharge from fertilizer and aluminum factories.
Nitrate [measured as Nitrogen]	2023	0.0389	0.0389 - 0.0389	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	06/26/2018	1.5	1.5 – 1.5	0	5	pCi/L	N	Erosion of natural deposits.

### Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Free Chlorine	2023	0.94	0.87 – 1.04	4	4	ppm	N	Water additive used to control microbes.



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Annual Water Quality Report for the period of January 1 to  
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Public Water System ID Number: **1070241 McATEE PLANT**

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<u>Source Water Name</u>	<u>Type of Water</u>	<u>Report Status</u>	<u>Location</u>
3 – McAtee Plant	GW	A	6970 Woodland Drive Athens, TX 75752

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Total Trihalomethanes (TTHM)	2023	21	20.9 - 20.9	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

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Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	2023	0.071	0.071 - 0.071	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	04/07/2022	0.0931	0.0931-0.0931	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	0.0261	0.0261 - 0.0261	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

### Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Free Chlorine	2023	1.03	0.95 - 1.12	4	4	ppm	N	Water additive used to control microbes.



**McAtee Well is ROUTE 3 - To determine which well you are on, look at your water bill payment stub. On the right hand side of the card beside your account number is your ROUTE #.**

## BETHEL-ASH WATER SUPPLY CORPORATION

2023 Annual Drinking Water Quality Report  
Consumer Confidence Report (CCR)

Annual Water Quality Report for the period of January 1 to  
December 31, 2023

Public Water System ID Number: **1070243 WALTON PLANT**

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

For more information contact Cody Rayburn at 903-675-8466.

***Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono 903-675-8466.***

### Special Notice Required Language for ALL Community Public Water Supplies:

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.

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; those 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 provider. 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. Bethel-Ash WSC is 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 minimum exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

## The source of drinking water used by Bethel-Ash WSC is Ground Water from the Wilcox Aquifer in Henderson & Van Zandt Counties.

### Information on Sources of Water

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.

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 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 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 storm water runoff and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

### Information about Secondary Contaminants

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not causes for health concern. Therefore, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

### Public Participation Opportunities

Date: Board Meeting 2<sup>nd</sup> Tuesday  
Time: 6:00 P.M.  
Location: 6435 State Highway 19 N  
Athens, TX 75752  
Phone #: 903-675-8466

To learn about future public meetings (concerning your drinking water), or to request to schedule one, please call us.



# Information about Source Water Assessments

TCEQ completed an assessment of your source water and results indicate that some of your sources are susceptible to certain contaminants. The sampling requirements for your water system are based on this susceptibility and previous sample data. Any detections of these contaminants may be found in this Consumer Confident Report. For more information on source water assessments and protection efforts at our system, contact Cody Rayburn at 903-675-8466.

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL: <http://www.tceq.texas.gov/swaview>

Further details about sources of source water assessments are available in Drinking Water Watch at the following URL: <http://dww.tceq.texas.gov/DWW>

Source Water Name	Type of Water	Report Status	Location
4 – Walton Plant	GW	A	6947 FM 1861 Athens, TX 75752

## Definitions and Abbreviations *the following tables contain scientific terms & measures, some of which may require explanation.*

<p><b>Action Level:</b> The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.</p> <p><b>Action Level Goal (ALG):</b> The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.</p> <p><b>Avg:</b> Regulatory compliance with some MCLs are based on running annual average of monthly samples.</p> <p><b>Level 1 Assessment:</b> 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.</p> <p><b>Level 2 Assessment:</b> 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.</p> <p><b>Maximum Contaminant Level or MCL:</b> 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.</p> <p><b>Maximum Contaminant Level Goal or MCLG:</b> The level of contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.</p> <p><b>Maximum Residual Disinfectant Level or MRDL:</b> 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.</p>	<p><b>Maximum Residual Disinfectant Level Goal or MRDLG:</b> 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.</p> <p><b>MFL:</b> million fibers per liter ( a measure of asbestos)</p> <p><b>mrem:</b> millirems per year (a measure of radiation absorbed by the body)</p> <p><b>na:</b> not applicable</p> <p><b>NTU:</b> nephelometric turbidity units (a measure of turbidity)</p> <p><b>pCi/L:</b> picocuries per liter - a measure of radioactivity.</p> <p><b>ppb:</b> micrograms per liter or parts per billion</p> <p><b>ppm:</b> milligrams per liter or parts per million</p> <p><b>ppq:</b> parts per quadrillion, or picograms per liter (pg/L)</p> <p><b>ppt:</b> parts per trillion, or nanograms per liter (ng/L)</p> <p><b>Treatment Technique or TT:</b> A required process intended to reduce the level of a contaminant in drinking water.</p>
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Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	09/01/2022	1.3	1.3	0.49	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	09/01/2022	0	15	1.5	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

# 2023 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2023	17	8.5 - 24.3	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2023	93	55.9 - 152	No goal for the total	80	ppb	Y	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. 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 Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	04/07/2022	0.031	0.031 - 0.031	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	01/27/2021	0.18	0.18 - 0.18	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	0.0496	0.0496 – 0.0496	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	10/29/2018	1.5	1.5 – 1.5	0	5	pCi/L	N	Erosion of natural deposits.

## Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Free Chlorine	2023	0.94	0.92 – 0.98	4	4	ppm	N	Water additive used to control microbes.

## Violations

Total Trihalomethanes (TTHM)			
Violation Type	Violation Begin	Violation End	Violation Explanation
MCL, LRAA	07/01/2023	09/30/2023	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.
MCL, LRAA	10/01/2023	12/31/2023	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.

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.



**Walton Well is ROUTE 4 - To determine which well you are on, look at your water bill payment stub. On the right hand side of the card beside your account number is your ROUTE #.**



## BETHEL-ASH WATER SUPPLY CORPORATION

2023 Annual Drinking Water Quality Report  
Consumer Confidence Report (CCR)

### Annual Water Quality Report for the period of January 1 to December 31, 2023

Public Water System ID Number: **1070238 DOUGLAS PLANT**

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

For more information contact Cody Rayburn at 903-675-8466.

***Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono 903-675-8466.***

**The source of drinking water used by Bethel-Ash WSC is Ground Water from the Wilcox Aquifer in Henderson & Van Zandt Counties.**

### Information on Sources of Water

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.

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 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 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 storm water runoff and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

### Information about Secondary Contaminants

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not causes for health concern. Therefore, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

### **Special Notice Required Language for ALL Community Public Water Supplies:**

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.

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; those 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 provider. 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. Bethel-Ash WSC is 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 minimum exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

### **Public Participation Opportunities**

Date: Board Meeting 2<sup>nd</sup> Tuesday  
Time: 6:00 P.M.  
Location: 6435 State Highway 19 N  
Athens, TX 75752  
Phone #: 903-675-8466

To learn about future public meetings (concerning your drinking water), or to request to schedule one, please call us.

# Information about Source Water Assessments

TCEQ completed an assessment of your source water and results indicate that some of your sources are susceptible to certain contaminants. The sampling requirements for your water system are based on this susceptibility and previous sample data. Any detections of these contaminants may be found in this Consumer Confident Report. For more information on source water assessments and protection efforts at our system, contact Cody Rayburn at 903-675-8466.

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL: <http://www.tceq.texas.gov/gis/swaview>

Further details about sources of source water assessments are available in Drinking Water Watch at the following URL: <http://dww.tceq.texas.gov/DWW>

<u>Source Water Name</u>	<u>Type of Water</u>	<u>Report Status</u>	<u>Location</u>
5 – Douglas Plant	GW	A	7286 County Rd 3704 Athens, TX 75752

## Definitions and Abbreviations *the following tables contain scientific terms & measures, some of which may require explanation.*

<p><b>Action Level:</b> The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.</p> <p><b>Action Level Goal (ALG):</b> The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.</p> <p><b>Avg:</b> Regulatory compliance with some MCLs are based on running annual average of monthly samples.</p> <p><b>Level 1 Assessment:</b> 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.</p> <p><b>Level 2 Assessment:</b> 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.</p> <p><b>Maximum Contaminant Level or MCL:</b> 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.</p> <p><b>Maximum Contaminant Level Goal or MCLG:</b> The level of contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.</p> <p><b>Maximum Residual Disinfectant Level or MRDL:</b> 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.</p>	<p><b>Maximum Residual Disinfectant Level Goal or MRDLG:</b> 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.</p> <p><b>MFL:</b> million fibers per liter ( a measure of asbestos)</p> <p><b>mrem:</b> millirems per year (a measure of radiation absorbed by the body)</p> <p><b>na:</b> not applicable</p> <p><b>NTU:</b> nephelometric turbidity units (a measure of turbidity)</p> <p><b>pCi/L:</b> picocuries per liter - a measure of radioactivity.</p> <p><b>ppb:</b> micrograms per liter or parts per billion</p> <p><b>ppm:</b> milligrams per liter or parts per million</p> <p><b>ppq:</b> parts per quadrillion, or picograms per liter (pg/L)</p> <p><b>ppt:</b> parts per trillion, or nanograms per liter (ng/L)</p> <p><b>Treatment Technique or TT:</b> A required process intended to reduce the level of a contaminant in drinking water.</p>
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Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2023	1.3	1.3	0.234	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2023	0	15	4.5	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.



## 2023 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2023	7	7.3 - 7.3	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2023	35	35.4 - 35.4	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 HAA5 sample results collected at a location over a year.

\*\*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 Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	03/07/2022	0.057	0.057 - 0.057	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Chromium	03/07/2022	2.2	2.2 - 2.2	100	100	ppb	N	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride	08/26/2021	0.0764	0.0764 - 0.0764	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	0.0568	0.0568 - 0.0568	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Xylenes	2023	0.00216	0.00216 - 0.00216	10	10	ppm	N	Discharge from petroleum factories; Discharge from chemical factories

### Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Free Chlorine	2023	1.08	0.95 - 1.27	4	4	ppm	N	Water additive used to control microbes.



**Douglas Well is ROUTE 5 - To determine which well you are on, look at your water bill payment stub. On the right hand side of the card beside your account number is your ROUTE #.**

## BETHEL-ASH WATER SUPPLY CORPORATION

2023 Annual Drinking Water Quality Report  
Consumer Confidence Report (CCR)

### Annual Water Quality Report for the period of January 1 to December 31, 2023

Public Water System ID Number: **1070242 MURPHY PLANT**

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

For more information contact Cody Rayburn at 903-675-8466.

***Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono 903-675-8466.***

### Special Notice Required Language for ALL Community Public Water Supplies:

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### Public Participation Opportunities

Date: Board Meeting 2<sup>nd</sup> Tuesday  
Time: 6:00 P.M.  
Location: 6435 State Highway 19 N  
Athens, TX 75752  
Phone #: 903-675-8466

To learn about future public meetings (concerning your drinking water), or to request to schedule one, please call us.



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<u>Source Water Name</u>	<u>Type of Water</u>	<u>Report Status</u>	<u>Location</u>
6 – Murphy Plant	GW	A	14501 State Highway 19 N Athens, TX 75752

## Definitions and Abbreviations the following tables contain scientific terms & 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.

**Action Level Goal (ALG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

**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 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

**ppq:** 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.

Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	08/26/2022	1.3	1.3	0.77	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	08/26/2022	0	15	1.8	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

# 2023 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2023	15	12.2 - 14.6	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2023	78	63.2 - 78	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 HAA5 sample results collected at a location over a year.

\*\* 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 Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	04/07/2022	0.03	0.03 - 0.03	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	05/12/2021	0.181	0.181 - 0.181	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	0.0473	0.0473-0.0473	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	10/29/2018	1.5	1.5 - 1.5	0	5	pCi/L	N	Erosion of natural deposits.

## Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Free Chlorine	2023	1.01	0.96 - 1.1	4	4	ppm	N	Water additive used to control microbes.

## Violations

Lead & Copper Rule			
The Lead and Copper Rule protects public health by minimizing lead and copper levels in drinking water, primarily by reducing water corrosivity. Lead and copper enter drinking water mainly from corrosion of lead and copper containing plumbing materials.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MCL, LRAA	07/01/2023	09/30/2023	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.



***Murphy Well is ROUTE 6 - To determine which well you are on, look at your water bill payment stub. On the right hand side of the card beside your account number is your ROUTE #.***



## BETHEL-ASH WATER SUPPLY CORPORATION

2023 Annual Drinking Water Quality Report  
Consumer Confidence Report (CCR)

**Annual Water Quality Report for the period of January 1 to December 31, 2023**

**Public Water System ID Number: 1070239 HALL PLANT**

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

For more information contact Cody Rayburn at 903-675-8466.

***Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono 903-675-8466.***

### Special Notice Required Language for ALL Community Public Water Supplies:

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.

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; those 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 provider. 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. Bethel-Ash WSC is 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 minimum exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

## The source of drinking water used by Bethel-Ash WSC is Ground Water from the Wilcox Aquifer in Henderson & Van Zandt Counties.

### Information on Sources of Water

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.

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 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 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 storm water runoff and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

### Information about Secondary Contaminants

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not causes for health concern. Therefore, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

### Public Participation Opportunities

Date: Board Meeting 2<sup>nd</sup> Tuesday  
Time: 6:00 P.M.  
Location: 6435 State Highway 19 N  
Athens, TX 75752  
Phone #: 903-675-8466

To learn about future public meetings (concerning your drinking water), or to request to schedule one, please call us.

# Information about Source Water Assessments

TCEQ completed an assessment of your source water and results indicate that some of your sources are susceptible to certain contaminants. The sampling requirements for your water system are based on this susceptibility and previous sample data. Any detections of these contaminants may be found in this Consumer Confidence Report. For more information on source water assessments and protection efforts at our system, contact Cody Rayburn at 903-675-8466.

For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following URL: <http://www.tceq.texas.gov/swaview>

Further details about sources of source water assessments are available in Drinking Water Watch at the following URL: <http://dww.tceq.texas.gov/DWW>

<u>Source Water Name</u>	<u>Type of Water</u>	<u>Report Status</u>	<u>Location</u>
7 – Hall Plant	GW	A	5797 County Road 3704 Athens, TX 75752

## Definitions and Abbreviations *the following tables contain scientific terms & measures, some of which may require explanation.*

<p><b>Action Level:</b> The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.</p> <p><b>Action Level Goal (ALG):</b> The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.</p> <p><b>Avg:</b> Regulatory compliance with some MCLs are based on running annual average of monthly samples.</p> <p><b>Level 1 Assessment:</b> 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.</p> <p><b>Level 2 Assessment:</b> 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.</p> <p><b>Maximum Contaminant Level or MCL:</b> 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.</p> <p><b>Maximum Contaminant Level Goal or MCLG:</b> The level of contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.</p> <p><b>Maximum Residual Disinfectant Level or MRDL:</b> 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.</p>	<p><b>Maximum Residual Disinfectant Level Goal or MRDLG:</b> 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.</p> <p><b>MFL:</b> million fibers per liter ( a measure of asbestos)</p> <p><b>mrem:</b> millirems per year (a measure of radiation absorbed by the body)</p> <p><b>na:</b> not applicable</p> <p><b>NTU:</b> nephelometric turbidity units (a measure of turbidity)</p> <p><b>pCi/L:</b> picocuries per liter - a measure of radioactivity.</p> <p><b>ppb:</b> micrograms per liter or parts per billion</p> <p><b>ppm:</b> milligrams per liter or parts per million</p> <p><b>ppq:</b> parts per quadrillion, or picograms per liter (pg/L)</p> <p><b>ppt:</b> parts per trillion, or nanograms per liter (ng/L)</p> <p><b>Treatment Technique or TT:</b> A required process intended to reduce the level of a contaminant in drinking water.</p>
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Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2023	1.3	1.3	0.084	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.



## 2023 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Trihalomethanes (TTHM)	2023	6	6.31 - 6.31	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 Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	01/27/2021	0.1	0.1 – 0.1	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	01/27/2021	0.102	0.102 – 0.102	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	0.0117	0.0117–0.0117	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	07/30/2018	5.4	5.4 – 5.4	0	50	pCi/L*	N	Erosion of natural deposits.

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

### Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Free Chlorine	2023	1.03	0.90 – 1.17	4	4	ppm	N	Water additive used to control microbes.



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## BETHEL-ASH WATER SUPPLY CORPORATION

2023 Annual Drinking Water Quality Report  
Consumer Confidence Report (CCR)

**Annual Water Quality Report for the period of January 1 to December 31, 2023**

**Public Water System ID Number: 1070248 HAWN PLANT**

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

For more information contact Cody Rayburn at 903-675-8466.

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Time: 6:00 P.M.  
Location: 6435 State Highway 19 N  
Athens, TX 75752  
Phone #: 903-675-8466

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Source Water Name	Type of Water	Report Status	Location
8 - Hawn Plant	GW	A	8001 County Road 3918 Athens, TX 75752

## Definitions and Abbreviations the following tables contain scientific terms & measures, some of which may require explanation.

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Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2023	1.3	1.3	0.138	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2023	0	15	1	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

## 2023 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	08/11/2022	3.5	3.5 - 3.5	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	08/11/2022	33.2	33.2 - 33.2	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 HAA5 sample results collected at a location over a year.

\*\* 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 Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	04/07/2022	0.026	0.026 - 0.026	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	05/12/2021	0.108	0.108 - 0.108	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	0.0355	0.0355 - 0.0355	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	10/29/2018	1.5	1.5 - 1.5	0	5	pCi/L	N	Erosion of natural deposits.

### Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Free Chlorine	2023	1.00	0.94 - 1.03	4	4	ppm	N	Water additive used to control microbes.



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## BETHEL-ASH WATER SUPPLY CORPORATION

2023 Annual Drinking Water Quality Report  
Consumer Confidence Report (CCR)

Annual Water Quality Report for the period of January 1 to December 31, 2023

Public Water System ID Number: **1070251 WATERS EDGE PLANT**

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

For more information contact Cody Rayburn at 903-675-8466.

***Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono 903-675-8466.***

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### Information about Secondary Contaminants

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<u>Source Water Name</u>	<u>Type of Water</u>	<u>Report Status</u>	<u>Location</u>
9 – Waters Edge Plant	GW	A	4765 Pine Ridge Court Athens, TX 75752

## Definitions and Abbreviations the following tables contain scientific terms & measures, some of which may require explanation.

<p><b>Action Level:</b> The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.</p> <p><b>Action Level Goal (ALG):</b> The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.</p> <p><b>Avg:</b> Regulatory compliance with some MCLs are based on running annual average of monthly samples.</p> <p><b>Level 1 Assessment:</b> 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.</p> <p><b>Level 2 Assessment:</b> 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.</p> <p><b>Maximum Contaminant Level or MCL:</b> 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.</p> <p><b>Maximum Contaminant Level Goal or MCLG:</b> The level of contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.</p> <p><b>Maximum Residual Disinfectant Level or MRDL:</b> 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.</p>	<p><b>Maximum Residual Disinfectant Level Goal or MRDLG:</b> 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.</p> <p><b>MFL:</b> million fibers per liter ( a measure of asbestos)</p> <p><b>mrem:</b> millirems per year (a measure of radiation absorbed by the body)</p> <p><b>na:</b> not applicable</p> <p><b>NTU:</b> nephelometric turbidity units (a measure of turbidity)</p> <p><b>pCi/L:</b> picocuries per liter - a measure of radioactivity.</p> <p><b>ppb:</b> micrograms per liter or parts per billion</p> <p><b>ppm:</b> milligrams per liter or parts per million</p> <p><b>ppq:</b> parts per quadrillion, or picograms per liter (pg/L)</p> <p><b>ppt:</b> parts per trillion, or nanograms per liter (ng/L)</p> <p><b>Treatment Technique or TT:</b> A required process intended to reduce the level of a contaminant in drinking water.</p>
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Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2023	1.3	1.3	0.486	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.



## 2023 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2023	7	7.4 - 7.4	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2023	17	17.1 - 17.1	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 HAA5 sample results collected at a location over a year.

\*\* 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 Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	01/27/2021	0.08	0.08 - 0.08	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	01/27/2021	0.124	0.124 - 0.124	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	0.0126	0.0126 - 0.0126	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	06/26/2018	1.5	1.5 - 1.5	0	5	pCi/L	N	Erosion of natural deposits.

### Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Free Chlorine	2023	0.97	0.93 - 1.00	4	4	ppm	N	Water additive used to control microbes.



**Waters Edge Well is ROUTE 9 - To determine which well you are on, look at your water bill payment stub. On the right hand side of the card beside your account number is your ROUTE #.**

## BETHEL-ASH WATER SUPPLY CORPORATION

2023 Annual Drinking Water Quality Report  
Consumer Confidence Report (CCR)

### Annual Water Quality Report for the period of January 1 to December 31, 2023

**Public Water System ID Number: 1070255 OTT PLANT**

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

For more information contact Cody Rayburn at 903-675-8466.

***Este reporte incluye informacion importante sobre el agua para tomar. Para asistencia en espanol, favor de llamar al telefono 903-675-8466.***

### **Special Notice Required Language for ALL Community Public Water Supplies:**

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.

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; those 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 provider. 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. Bethel-Ash WSC is 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>.

## **The source of drinking water used by Bethel-Ash WSC is Ground Water from the Wilcox Aquifer in Henderson & Van Zandt Counties.**

### Information on Sources of Water

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.

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 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 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 storm water runoff and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

### Information about Secondary Contaminants

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not causes for health concern. Therefore, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

### **Public Participation Opportunities**

Date: Board Meeting 2<sup>nd</sup> Tuesday  
Time: 6:00 P.M.  
Location: 6435 State Highway 19 N  
Athens, TX 75752  
Phone #: 903-675-8466

To learn about future public meetings (concerning your drinking water), or to request to schedule one, please call us.



# Information about Source Water Assessments

No Source Water Assessment for your drinking water source(s) has been conducted by the TCEQ for your water system. The report describes the susceptibility and the types of constituents that may come into contact with your drinking water Source based on human activities and natural conditions. The information in this assessment allows us to focus our Source water protection strategies.

<u>Source Water Name</u>	<u>Type of Water</u>	<u>Report Status</u>	<u>Location</u>
10 – Ott Plant	GW	A	13740 County Road 3507 Athens, TX 75752

## Definitions and Abbreviations *the following tables contain scientific terms & measures, some of which may require explanation.*

<p><b>Action Level:</b> The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.</p> <p><b>Action Level Goal (ALG):</b> The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.</p> <p><b>Avg:</b> Regulatory compliance with some MCLs are based on running annual average of monthly samples.</p> <p><b>Level 1 Assessment:</b> 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.</p> <p><b>Level 2 Assessment:</b> 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.</p> <p><b>Maximum Contaminant Level or MCL:</b> 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.</p> <p><b>Maximum Contaminant Level Goal or MCLG:</b> The level of contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.</p> <p><b>Maximum Residual Disinfectant Level or MRDL:</b> 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.</p>	<p><b>Maximum Residual Disinfectant Level Goal or MRDLG:</b> 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.</p> <p><b>MFL:</b> million fibers per liter ( a measure of asbestos)</p> <p><b>mrem:</b> millirems per year (a measure of radiation absorbed by the body)</p> <p><b>na:</b> not applicable</p> <p><b>NTU:</b> nephelometric turbidity units (a measure of turbidity)</p> <p><b>pCi/L:</b> picocuries per liter – a measure of radioactivity.</p> <p><b>Ppb:</b> micrograms per liter or parts per billion</p> <p><b>ppm:</b> milligrams per liter or parts per million</p> <p><b>ppq:</b> parts per quadrillion, or 29ictograms per liter (pg/L)</p> <p><b>ppt:</b> parts per trillion, or nanograms per liter (ng/L)</p> <p><b>Treatment Technique or TT:</b> A required process intended to reduce the level of a contaminant in drinking water.</p>
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Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90 <sup>th</sup> Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2023	1.3	1.3	0.177	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2023	0	15	1.88	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

## 2023 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2023	6	6.3 - 6.3	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2023	34	34.3 - 34.3	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

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Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	2023	0.014	0.014 - 0.014	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2023	0.0686	0.0686 - 0.0686	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	0.0441	0.0441 - 0.0441	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Benezene	2023	1	1.37 - 1.37	0	5	ppb	N	Discharge from factories; Leaching from gas storage tanks and landfills.

### Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Free Chlorine	2023	1.02	0.93 - 1.18	4	4	ppm	N	Water additive used to control microbes.



**Ott Well is ROUTE 10 - To determine which well you are on, look at your water bill payment stub. On the right hand side of the card beside your account number is your ROUTE #.**



## BETHEL-ASH WATER SUPPLY CORPORATION

2023 Annual Drinking Water Quality Report  
Consumer Confidence Report (CCR)

### Annual Water Quality Report for the period of January 1 to December 31, 2023

Public Water System ID Number: **1070258 LAKE PLANT**

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

For more information contact Cody Rayburn at 903-675-8466.

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<u>Source Water Name</u>	<u>Type of Water</u>	<u>Report Status</u>	<u>Location</u>
11 – Lake Plant	GW	A	7280 County Road 3700 Athens, TX 75752

## Definitions and Abbreviations *the following tables contain scientific terms & measures, some of which may require explanation.*

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Lead & Copper	Date Sampled	MCLG	Action Level (AL)	90 <sup>th</sup> Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	09/15/2021	1.3	1.3	0.12	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	09/15/2021	0	15	1	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.



## 2023 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2023	4	3.9 - 3.9	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2023	17	16.4 - 17.2	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 HAA5 sample results collected at a location over a year.  
 \*\*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 Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	2023	0.015	0.015 - 0.015	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2023	0.0759	0.0759 - 0.0759	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	0.0409	0.0409 – 0.0409	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

### Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Units	Violation	Source in Drinking Water
Free Chlorine	2023	1.02	0.97 – 1.03	4	4	ppm	N	Water additive used to control microbes.



**Lake Well is ROUTE 11 - To determine which well you are on, look at your water bill payment stub. On the right hand side of the card beside your account number is your ROUTE #.**