PWS ID# 1370898

2024 WATER QUALITY REPORT
Brewster Water System

Ensuring Your Water is Safe

We are pleased to provide you with this year's Water Quality Report. We want to keep you informed about the quality water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water.

We routinely monitor for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2024. Data obtained before January 1, 2024, and presented in this report are from the most recent testing done in accordance with the laws, rules, and regulations.

This report shows our water quality results and what they mean.

Your Water Source

Your water is obtained from one groundwater well which draws from the Floridan aquifer. Some of your water is purchased from the City of Tallahassee, obtained from 26 groundwater wells drawing from the Floridan aquifer; the report includes their results. The water is then chlorinated for disinfection purposes. Fluoride is added to improve dental health.

Source Water Assessment

In 2024, the Florida Department of Environmental Protection performed a Source Water Assessment on Brewster and the City of Tallahassee water systems. Information provided by this assessment indicated no potential sources of contamination near our well, and 67 potential sources of contamination were identified for the City of Tallahassee with a low to moderate susceptibility level. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at: https://prodapps.dep.state.fl.us/swapp

How to Reach Us

If you have any questions about this report or concerning your water utility, please contact our regional operations manager at (727) 848-8292 ext 245. We encourage our valued customer to be informed about their water utility.

Important Health Information:

For Customer with Special Health Concerns

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

About Lead

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. Brewster Water System is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time. You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, the contact information can be found in the "How to reach us" section of this report. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at *https://www.epa.gov/safewater/lead*.

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About Your Drinking Water

ADDITIONAL HEALTH INFORMATION

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. Contaminants that may be present in source water include:

(A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

(B) Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

(C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

(D) 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 stormwater runoff, and septic systems.

(E) Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

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

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the **Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791**.

HOW TO READ THE TABLE

In the table accompanying this report you may find unfamiliar terms and abbreviations. The following definitions are provided to assist you with understanding the report.

Important Definitions:

- **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 bellow which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- **Action Level or AL:** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
- **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.
- **ND:** Means not detected and indicates that the substance was not found by laboratory analysis.
- **Parts per Billion (ppb) or Micrograms per Liter (µg/l):** One part by weight of analyte to 1 billion parts by weight of the water sample.
- **Parts per Million (ppm) or Milligrams per Liter (mg/l):** One part by weight of analyte to 1 million parts by weight of the water sample.
- **Picocurie per Liter (pCi/L):** Measure of the radioactivity in water.

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INORGANIC CONTAMINANTS - Brewster							
Contaminant and Unit of Measurement	**Dates of Sampling (mo./yr.)**	**MCL Violation Y/N**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
Arsenic (ppb)	03/2024	N	0.68	N/A	0	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	03/2024	N	0.0065	N/A	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium (ppb)	03/2024	N	0.0012	N/A	100	100	Discharge from steel and pulp mills; erosion of natural deposits
Mercury (inorganic) (ppb)	03/2024	N	0.000023	N/A	2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Sodium (ppm)	03/2024	N	3.2	N/A	N/A	160	Saltwater intrusion, leaching from soil

DISINFECTANT AND DISINFECTION BY PRODUCTS - Brewster							
Disinfectant or Contaminant and Unit of Measurement	**Dates of Sampling (mo./yr.)**	**MCL or MRDL Violation Y/N**	**Level Detected**	**Range of Results**	**MCLG or MRDLG**	**MCL or MRDL**	**Likely Source of Contamination**
Chlorine (ppm)	Monthly 2024	N	0.82	0.8 – 0.9	MRDLG = 4	MRDL = 4.0	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	07/2024	N	9.33	N/A	NA	60	By-product of drinking water disinfection

LEAD AND COPPER (TAP WATER) - Brewster								
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**AL Exceeded (Y/N)**	**90th Percentile Result**	**No. of sampling sites exceeding the AL**	**Range of Tap Sample Results**	**MCLG**	**AL (Action Level)**	**Likely Source of Contamination**
Copper (tap water) (ppm)	07/2023	N	0.18	0	0.066 – 0.22	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Lead Service Line Inventory

The facility has conducted a complete survey of all drinking water service lines, totaling over 192 individual connections. The comprehensive review included an examination of all available historical records, including record drawings and ordinance reviews, as well as over 192 pipeline inspections of homes and businesses. The facility has 192 locations that have are unknown lead service lines. To view the facilities, Lead Service Line Inventory, you can request it from the facility and the contact information can be found in the "How to reach us" section of this report.

Table Notes:

- Results in the Level Detected column for radiological contaminants, inorganic contaminants, synthetic organic contaminants including pesticides and herbicides, and volatile organic contaminants are the highest average at any of the sampling points or the highest detected level at any sampling point, depending on the sampling frequency.
- For chloramines, or chlorine, the level detected is the highest running annual average (RAA), computed quarterly, of monthly averages of all samples collected. The range of results is the range of results of all the individual samples collected during the past year.
- Corrosion of pipes, plumbing fittings and fixtures may cause metals, including lead and copper, to enter drinking water. To assess corrosion of lead and copper, Brewster Water System conducts tap sampling for lead and copper at selected sites every three years. The most recent set of lead and copper tap sampling is available for review. To view the lead and copper tap sampling data, the contact information can be found in the "How to reach us" section of this report. or visit https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=32.1585985.1]&[profile=Sampling].

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2024 Water Quality Report for the City of

Water Quality Test Results

Radioactive Contaminants

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Alpha emitters (pCi/L)	01/23 – 09/23	N	4.82	ND – 4.82	0	15	Erosion of natural deposits
Radium 226 + 228 or combined Radium (pCi/L)	01/23 – 09/23	N	0.58	ND – 0.58	0	5	Erosion of natural deposits
Uranium (µg/L)	01/20 – 09/20	N	0.5	NA	0	30	Erosion of natural deposits

Inorganic Contaminants

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Arsenic (ppb)	01/23 – 09/23	N	1.3	ND – 1.3	0	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	01/23 – 09/23	N	0.025	0.0081 – 0.025	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium (ppb)	01/23 – 09/23	N	1.6	ND – 1.6	100	100	Discharge from steel and pulp mills; erosion of natural deposits
Cyanide (ppb)	01/23 – 09/23	N	5.2	ND – 5.2	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Fluoride (ppm)	01/23 – 09/23	N	0.85	0.34 – 0.85	4	4.0	Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at the optimum level of 0.7 ppm
Lead (point of entry) (ppb)	01/23 – 09/23	N	0.6	ND – 0.6	0	15	Residue from man-made pollution such as auto emissions and paint; lead pipe, casing, and solder
Mercury (ppb)	01/23 – 09/23	N	0.1	ND – 0.1	2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Nitrate (as Nitrogen) (ppm)	01/24 – 12/24	N	0.67	0.059 – 0.67	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (ppm)	01/23 – 12/23	N	4.21	2.46 – 4.21	N/A	160	Saltwater intrusion, leaching from soil

Volatile Organic Contaminants

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation Y/N	Level Detected (average)	Range of Results	MCLG	MCL	Likely Source of Contamination
Tetrachloroethylene (ppb)	01/24 – 11/24	N	1.78	ND – 2.12	0	3	Discharge from factories and dry cleaners

Secondary Contaminants

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation Y/N	Highest Result	Range of Results	MCLG	MCL	Likely Source of Contamination
Odor (Threshold Odor Number)	01/23 – 09/23	Y	16*	0 – 16		3	Disinfection treatment.

Note: The odor exceedance was due to chlorine odor at one of 27 locations only. A follow-up recollect sample was below the Threshold Odor Number (3).