

2024 Water Quality Report of the Pace Water System

We are pleased to present to you this year’s Annual Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is ground water from 11 wells. The wells draw from the Sand and Gravel Aquifer. Treatment of the water consists of chlorination and lime addition.

In 2024, the Florida Department of Environmental Protection (FDEP) performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There are eight (8) potential sources of contamination identified for this system with low to moderate susceptibility levels. The assessment results are available on the DEP Source Water Assessment and Protection Program (SWAPP) website at <https://prodapps.dep.state.fl.us/swapp/> or they can be obtained from **Mike Stewart**, Water Manager at (850) 994-5129.

If you have any questions about this report or concerning your water utility, please contact **Damon Boutwell**, General Manager at (850)994-5129. We encourage our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second Tuesday of every month at 6:00 p.m. in the Pace Water System Board Room located at 4401 Woodbine Road, Pace, Florida 32571.

Pace Water System routinely monitors 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 is from the most recent testing done in accordance with the laws, rules, and regulations.

In the enclosed table, you may find unfamiliar terms and abbreviations. To help you better understand these terms we’ve provided the following 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 below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Action Level (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.

Not Detected (ND): 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.

**Pace Water System, Inc. has been monitoring Unregulated Contaminants as part of a study to assist the U.S. Environmental Protection Agency (EPA). At present, no health standards (for example, maximum contaminant levels) have been established for Unregulated Contaminants. However, we are required to publish the analytical results of our Unregulated Contaminants monitoring in our annual water quality report. If you would like more information on the EPA’s Unregulated Contaminants Monitoring Rule (UCMR), please call the Safe Drinking Water Hotline at (800)426-4791.*

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. Pace Water System, Inc. 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, contact Mike Stewart at Pace Water System, Inc. 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>. Please note that Pace Water System, Inc. does not provide lead and copper testing or sampling services. The cost for the testing is paid by the customer and is determined by the chosen private lab.

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, Pace Water System, Inc. conducts tap sampling for lead and copper at selected sites. The most recent set of lead and copper tap sampling is available for review. To view the lead and copper tap sampling data, visit [https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=32.1596750.1\]&\[pro file=Sampling\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=32.1596750.1]&[pro file=Sampling])

The Federal Environmental Protection Agency has revised the Lead and Copper rule for all public drinking water systems. They have mandated that drinking water systems produce an inventory list of all service line material. The service line is the piping that extends from our water main to the customer’s meter as well as the piping that extends from the meter to the customer’s home. Pace Water System, Inc. has prepared this inventory in accordance with federal regulations. To view this service line inventory, visit [https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=32.1704834.1\]&\[pro file=Sampling\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=32.1704834.1]&[pro file=Sampling])

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.

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 U.S. 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.

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply, we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments.

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. U.S. Environmental Protection Agency/ Center for Disease Control 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).

We at Pace Water System work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children’s future.

2024 TEST RESULTS TABLE

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	
Radium 226 + 228 or combined radium (pCi/L)	4/2023	N	1.15	0.69-1.15	0	5	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	
Barium (ppm)	4/2023	N	0.031	0.0071-0.031	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	
Fluoride (ppm)	4/2023	N	0.035	ND-0.035	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)	4/2023	N	0.3	ND-0.3	0	15	Residue from man-made pollution such as auto emissions and paint; lead pipe, casing, and solder	
Nitrate (as Nitrogen) (ppm)	7/2024	N	1.3	ND-1.3	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	
Sodium (ppm)	4/2023	N	3.7	1.6-3.7	N/A	160	Salt water intrusion, leaching from soil	
Volatile Organic 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	
Xylenes (ppm)	7/2024	N	0.83	ND-2.5	10	10	Discharge from petroleum factories; discharge from chemical factories	
Stage 2 Disinfectants and Disinfection By-Products								
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) (Stage 1)	1-12/2024	N	0.91	0.87-0.96	MRDLG=4	MRDL=4	Water additive used to control microbes	
Lead and Copper (Tap Water)								
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)	6-9/2023	N	0.13	0 of 30 exceeded AL	ND-0.19	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (tap water) (ppb)	6-9/2023	N	2.6	0 of 30 exceeded AL	ND-13	0	15	Corrosion of household plumbing systems, erosion of natural deposits
Unregulated Contaminants								
Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	Level Detected (average) in ug/L	Range	Likely Source of Contamination				
PFBS (perfluorobutanic acid) (ppb)	5/2024	0.0018	ND-0.0018	Discharge from manufacturing and industrial chemical facilities, use of certain consumer products, occupational exposures, and certain firefighting activities.				
PFHpA (perfluoroheptanoic acid) (ppb)	5/2024	0.0010	ND-0.0010	Unavailable				
PFHxS (perfluorohexanesulfonic acid) (ppb)	5/2024	0.0042	ND-0.0088	Discharge from manufacturing and industrial chemical facilities, use of certain consumer products, occupational exposures, and certain firefighting activities.				
PFOA (perfluorooctanoic acid) (ppb)	5/2024	0.0033	ND-0.0033	Discharge from manufacturing and industrial chemical facilities, use of certain consumer products, occupational exposures, and certain firefighting activities.				
PFPeA (perfluoropentanoic acid) (ppb)	5/2024	0.0016	ND-0.0018	Unavailable				
PFOS (perfluorooctanesulfonic acid) (ppb)	5/2024	0.0016	ND-0.0028	Discharge from manufacturing and industrial chemical facilities, use of certain consumer products, occupational exposures, and certain firefighting activities.				
PFHxA (perfluorohexanesulfonic acid) (ppb)	5/2024	0.00175	ND-0.0018	Unavailable				
6:2FTS (1H, 1H, 2H, 2H-perfluorooctane sulfonic acid) (ppb)	5/2024	0.0017	ND-0.0017	Unavailable				
PFPeS (perfluoropentanesulfonic acid) (ppb)	5/2024	0.0016	ND-0.0016	Unavailable				