



2022 DRINKING WATER QUALITY REPORT

City of Eustis PWS 3350346
Eustis Eastern WTP PWS 3354953
Heathrow Country Estates WTP PWS 3354954

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Monitoring Requirements Not Met for Heathrow Country Estates Water Treatment Plant

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During July 2022, we did not complete all monitoring or testing for haloacetic acids and therefore cannot be sure of the quality of our drinking water during that time.

Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

What should I do?

There is nothing you need to do at this time.

What happened? What is being done?

The Heathrow Country Estates Water Treatment Plant is scheduled to take haloacetic acids (HAA5) samples in July of every year. The samples were pulled in July and sent to a certified lab. The lab notified us of sample hold time issues. The samples could not be tested within the timeframe that is required making the results inaccurate.

We requested new sample kits and re-sampled on 7/29/2022. We received the results and submitted them to the Department of Environmental Protection (DEP) on 8/17/2022. We were notified by DEP on 9/26/2022 that the HAA5 samples were invalid due to a J qualifier. The J qualifier is given when the lab cannot meet quality control limits. The laboratory reported they had a piece of equipment that malfunctioned causing the samples to not be tested properly.

On 9/30/2022 we re-sampled and sent them to the lab. We received the results on 10/18/2022, the sample results were below

the MCL as they have been in the past. They were submitted to DEP on 10/21/2022.

DEP requires public water systems to notify the residents of the community that it serves if anything goes wrong. In this case, the residents served are RedTail, Serenity at RedTail, and Sorrento Elementary School.

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

For more information, please contact: Jeff Brinson, Utility Supervisor City of Eustis Water Department at 352-357-5618 ext. 1808 or by mail at PO Drawer 68 Eustis, Florida 32727

This notice is being sent to you by City of Eustis (Heathrow Country Estates WTP) State Water System ID#: 3354954

FOR MORE INFORMATION ABOUT YOUR WATER

Please remember that we are always available to assist you, should you ever have any questions or concerns about your water. We encourage your feedback regarding any information in this report. After all, well informed customers are our best allies. You may contact Jeff Brinson, Eustis Water Department Supervisor, at (352) 357 5618 or brinsonj@eustis.org. We will be happy to assist you.

The Eustis City Commission meets regularly and their agendas may contain items pertaining to water treatment, water quality and other water related issues. We encourage you to be an active and involved partner in our decision making process. Meeting dates and agendas can be obtained from the City Clerk's office Monday - Friday 8 a.m. to 5 p.m., the City's website (www.eustis.org) or by calling (352) 483 5430.

En Español

Este informe contiene informacion muy importante. Traduscalo o prequentele a alguien que lo entienda bien.

2022 ANNUAL DRINKING WATER QUALITY REPORT

Our Drinking Water Is Regulated

Once again we are proud to present our annual drinking water report, covering all drinking water testing performed between January 1 and December 31, 2022. Over the years, we have dedicated ourselves to producing drinking water that meets all state and federal standards. We continually strive to adopt new methods for delivering the best quality drinking water to your homes and businesses. As new challenges to drinking water safety emerge, we remain vigilant in meeting the goals of source water protection, water conservation, and community education while continuing to serve the needs of all of our water users.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or <http://water.epa.gov/drink/hotline>.

Source of Drinking 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.

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

All Drinking Water May Contain Contaminants

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. In order to ensure that tap water is safe to drink, the U.S. 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. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at (800) 426-4791.

Where Do We Get Our Drinking Water

Your water starts with a safe and reliable groundwater source called the Floridan Aquifer. Your water utility pumps this water from nine wells into aerators to remove hydrogen sulfide, a naturally occurring compound commonly found in Florida water. Next, the water is treated with chlorine (disinfectant purposes), fluoridated (dental health purposes), and then stored in ground storage tanks. From there the water is pumped to the elevated tanks and/or distribution system for use by you, the consumer.

Sorrento Springs customers receive water from the Eustis Eastern Water Treatment Plant. This water resource is also from the Floridan

Aquifer. The water is pumped from two wells into an aerator to remove hydrogen sulfide and is chlorinated for disinfection purposes. Then, it is stored in a ground storage tank and pumped out into the system for your use.

Heathrow Country Estates water is pumped from two wells that draw from the Floridan Aquifer. The water is aerated to remove hydrogen sulfide, a naturally occurring compound. Chlorine is injected for disinfection purposes and then the water is stored in a ground storage tank before being pumped out to the customers.

Source Water Assessment

In 2022, the Department of Environmental Protection performed a Source Water Assessment on our systems. This assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There are eight potential sources of contamination identified for the City of Eustis system with a low to moderate susceptibility level. The Eustis Eastern system has seven potential sources of contamination identified with low susceptibility levels. The Heathrow Country Estates system has 1 potential source of contamination identified with a low susceptibility level. The assessment results are available on the FDEP Source Water Assessment and Protection Program Web site at www.dep.state.fl.us/swapp or they can be obtained from The City of Eustis Water Department by calling (352) 357-5618.

LEAD IN HOME PLUMBING

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water, but 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 www.epa.gov/lead.

During the past year we have taken hundreds of water samples in order to determine the presence of any radioactive, biological, inorganic, volatile organic or synthetic organic contaminants. The table shows only those contaminants that were detected in the water. The state requires us to monitor for certain substances less often than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data is included, along with the year in which the sample was taken. The test results table shows the results of our monitoring period of January 1st to December 31st, 2022.

Primary Regulated Contaminants		City of Eustis			Eustis Eastern (Sorrento Springs)			Heathrow Country Estates (Redtail)					
Radioactive Contaminants													
Contaminant and unit of measurement	MCL Violation (Yes/No)	Date of Sampling	Level Detected	Range of Results	Date of Sampling	Level Detected	Range of Results	Date of Sampling	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Alpha Emitters (pCi/L)	No	NA	NA	ND-5.7	3/2018	1.7	NA	1/2018	1.8	NA	0	15	Erosion of natural deposits
Radium 226+228 (pCi/L)	No	NA	NA	0.6-1.5	3/2018	1.5	NA	1/2018	1.5	NA	0	5	

Inorganic Contaminants													
Contaminant and unit of measurement	MCL Violation (Yes/No)	Date of Sampling	Level Detected	Range of Results	Date of Sampling	Level Detected	Range of Results	Date of Sampling	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Arsenic (ppb)	No	10/2020	1.7	ND-1.7	10/2021	ND	NA	10/2021	ND	NA	NA	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	No	10,11/2020	0.017	0.0045-0.017	10/2021	0.0082	NA	10/2021	0.0096	NA	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Cadmium (ppb)	No	10/2020	ND	NA	10/2021	1.3	NA	10/2021	ND	NA	100	100	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints.
Fluoride (ppm)	No	1-12/2022	0.833	ND-0.833	10/2021	ND	NA	10/2021	ND	NA	4	4	Erosion of natural deposits; discharge from fertilizer and aluminum factories; water additive that promotes strong teeth when at optimum levels between 0.7 and 1.3 ppm
Nitrate [as Nitrogen] (ppm)	No	1/2022	3.31	ND-3.31	1/2022	ND	NA	1/2022	ND	NA	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (ppm)	No	10,11/2020	11.8	7.69-11.8	10/2021	4.8	NA	10/2021	11.9	NA	NA	160	Salt water intrusion, leaching from soil

Stage 2 Disinfectants and Disinfection By-Products													
Contaminant and unit of measurement	MCL Violation (Yes/No)	Date of Sampling	Level Detected	Range of Results	Date of Sampling	Level Detected	Range of Results	Date of Sampling	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Chlorine (ppm)	No	1-12/2022	1.1	0.4-1.9	1-12/2022	1.1	0.5-1.5	1-12/2022	1	0.5-1.5	4	4	Water additive used to control microbes
Haloacetic Acids (five) [HAA5] (ppb)	No	1,4/2022	30.4	4.42-30.4	1/2022	8.25	NA	7/2022	23.4	20-23.4	NA	60	By-product of drinking water disinfection
TTHM [Total trihalomethanes] (ppb)	No	1,4/2022	35.1	3.75-35.1	10/2022	12.77	NA	7/2022	39.8	37.7-57.5	NA	80	

Lead and Copper *													
Contaminant and unit of measurement	MCL Violation (Yes/No)	Date of Sampling	90th Percentile Result	No. of Sampling Sites Exceeding the AL	Date of Sampling	90th Percentile Result	No. of Sampling Sites Exceeding the AL	Date of Sampling	90th Percentile Result	No. of Sampling Sites Exceeding the AL	MCLG	AL (Action Level)	Likely Source of Contamination
Copper [tap water] (ppm)	No	7/2020	0.127	0	7/2021	0.0065	0	7/2021	0.048	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead [tap water] (ppb)	No	7/2020	1	0	7/2021	ND	0	7/2021	ND	0	0	15	Corrosion of household plumbing systems, erosion of natural deposits

* Tap water samples were collected from sites throughout the community.

Secondary Contaminants													
Contaminant and unit of measurement	MCL Violation (Yes/No)	Date of Sampling	Highest Result	Range of Results	Date of Sampling	Highest Result	Range of Results	Date of Sampling	Highest Result	Range of Results	MCLG	MCL	Likely Source of Contamination
Total Dissolved Solids	Y	10/2020	520	158-520	10/2021	ND	NA	10/2021	ND	NA		500	Natural occurrence from soil leaching

In 2020 our system exceeded the MCL for Total Dissolved Solids. Secondary contaminants are considered to be aesthetic violations and they are not considered to have major health effects.

Definitions:

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

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

TON (Threshold Odor Number): A measure of odor in water.

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

NA: Not applicable

ND (Not detected): Indicates that the substance was not found by laboratory analysis.

MCL (Maximum Contaminant Level): 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.

MCLG (Maximum Contaminant Level Goal): 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.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): 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.

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

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



City of Eustis

P.O. Drawer 68

Eustis, FL 32727