

BURKTOWN SUBDIVISION
2023 WATER QUALITY REPORT
Georgia Water System ID #: GA0310307

Name of Water System Contact:
Russell Jones

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Summary of Water Quality Information

The **Burktown Subdivision** drinking water system is owned by Russell Jones and operated by **Tindall Enterprises, Inc.** The system is located at the southern intersection of Burkhalter Road and US Highway 80 East in Statesboro, Georgia. If you have any comments, concerns, or inquiries to be made, please feel free to contact Russell Jones at the number listed above.

Included in this report is information about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. **Burktown Subdivision** is committed to providing your community with clean, safe, and reliable drinking water. For more information about your water or this report please contact Russell Jones. **This report will not be mailed to each consumer; however, copies are available upon request.**

The **Burktown Subdivision** water system is comprised of two (2) community groundwater wells. Your water primarily comes from the southern well 101, located west of Lot 39. In case of an emergency water can be obtained from the back-up northern well 102, located west of Lot 39. Both wells derive water from an underground source known as the *Upper Floridan Aquifer* that provides ample volumes of water for your community. Necessary treatment, such as the addition of chlorine disinfectant, is performed at the well site. Well properties are protected from activities which could potentially cause contamination of this water source.

A **Source Water Assessment Plan** has yet to be completed by the Georgia Department of Natural Resources Environmental Protection Division. This report identifies sources of pollution which could potentially contaminate the water supply. This report will also include the susceptibility range for pollution and will cite potential pollution sources for the wells. Once the report is available, the complete list of all potential pollution sources can be found in the **Source Water Assessment Plan**.

The **Burktown Subdivision** water system is tested for more than eighty (80) drinking water parameters on a periodic basis as determined by the Georgia Department of Natural Resources Environmental Protection Division. Sample/testing schedules are based on initial contaminant level assessments and can be changed if deemed necessary. Waivers may also be issued for the analyses of certain compounds if data shows that the distributed drinking water in this area is not vulnerable to contamination from these chemicals.

Initially, samples were collected at **Burktown Subdivision** for radionuclide testing every quarter until February 2024 when the sampling/analysis frequency shifted to once every nine (9) years. Monitoring for inorganic compounds (IOCs) is scheduled every three (3) years, synthetic organic compounds (SOCs) quarterly, and volatile organic compounds (VOCs) quarterly until December 2023. Beginning January 2024, VOC sampling and analysis will occur annually in conjunction with trihalomethanes (TTHMs), 5- haloacetic acids (HAA5s), and nitrate-nitrites. Lead and copper collection takes place every six (6) months and bacteriological content is monitored monthly.

During 2023, the **Burktown Subdivision** water system was sampled and analyzed for bacteriological content, nitrate-nitrites, lead, copper, TTHMs, HAA5s, radionuclides, IOCs, SOC, and VOCs. **We are pleased to inform you that Burktown Subdivision did not have any violations of water quality parameters during 2023. All detected contaminants are delineated in the accompanying chart, any contaminant not listed had results less than the detection limits.**

The results of the 2023 lead and copper monitoring event are included in the accompanying Water Quality Data chart. For this event, analyses were completed on samples taken from ten (10) representative locations throughout your community. While **NO** sampled site exceeded the lead or copper action levels, detectable levels of one or both analytes were found in one or more sample(s). This could indicate the presence of some service lines that may contain lead and/or copper materials.

Lead and copper are metals naturally found throughout the environment in soil and water. These metals can also be found in lead, copper, or brass household plumbing pipes and fixtures. Even consumer products such as paints, pottery, and pewter can contain lead and/or copper. Corrosion or deterioration of lead or copper-based materials, as well as erosion of natural deposits can release these metals into the drinking water.

*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. **Burktown Subdivision** is 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 <http://www.epa.gov/safewater/lead>.

The following measures may be taken to minimize exposure to lead and/or copper:

- Flush your tap for 30 seconds to 2 minutes before using water for drinking or cooking.
- Use cold water for drinking or cooking.
- Do not cook with or consume water from the hot water faucet.
- Do not use hot water for making baby formula.
- Use only “lead-free” solder, fluxes and materials in new household plumbing and repairs.

Drinking water, including bottled water, may be expected to contain at least small amounts of 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.**

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 microbial contaminants are available from the Safe Drinking Water Hotline at 800-426-4791.**

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 the following:

- **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 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, agricultural application, and septic systems.
- **Radioactive contaminants** 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, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Burktown Subdivision strives to maintain the highest standards of performance and quality possible. In order to maintain a safe and dependable water supply, improvements that benefit the community must be made. Please help keep these costs as low as possible by utilizing good water conservation practices.

DEFINITION OF TERMS AND ABBREVIATIONS USED IN THIS REPORT

Maximum Contaminant Level (MCL): “The highest level of a contaminant that is allowed in drinking water. MCL’s are set as close to the MCLG as feasible using the best available treatment technology.”

Maximum Contaminant Level Goal (MCLG): “The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG’s allow for a margin of safety.”

Secondary Maximum Contaminant Level (SMCL): Reasonable goals for drinking water quality. Exceeding SMCL’s may adversely affect odor or appearance, but there is no known risk to human health.

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

Maximum Residual Disinfectant Level (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 microbiological contaminants.”

Maximum Residual Disinfectant Level Goal (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.

TTHMs (Total Trihalomethanes): One or more of the organic compounds chloroform, bromodichloromethane, chlorodibromomethane, and/or bromoform.

HAA5s (Haloacetic Acids): One or more of the organic compounds monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, monobromoacetic acid, and dibromoacetic acid.

BURKTOWN SUBDIVISION

2023 WATER QUALITY DATA

WSID: GA0310307

The table below lists all the drinking water contaminants that have been detected in your drinking water. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The data presented in this table is from testing done during the year noted. The Federal Environmental Protection Agency (EPA) and the Georgia Department of Natural Resources Environmental Protection Division (EPD) require monitoring for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Parameters, values, and/or sources may vary.

DETECTED INORGANIC CONTAMINANTS TABLE								
Parameter	Units	MCL [SMCL]	MCLG	Burktown Subdivision Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Chlorine	ppm	4	4	0.55	0.50 to 0.55	2023	No	Water additive used for control of microbes
Fluoride	ppm	4	4	0.27	0.27 to 0.27	2023	No	Erosion of natural deposits; water additive; discharge from fertilizer and aluminum factories

VOLATILE ORGANIC CONTAMINANTS TABLE								
Parameter	Units	MCL	MCLG	Burktown Subdivision Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Haloacetic Acids	ppb	60	**	ND	N/A	2023	No	By product of drinking water disinfection
THMs	ppb	80	**	ND	N/A	2023	No	By product of drinking water disinfection

DETECTED VOLATILE ORGANIC CONTAMINANTS TABLE								
Parameter	Units	MCL	MCLG	Burktown Subdivision Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Xylenes	ppm	10	10	0.0027	ND to 0.0027	2023	No	Discharge from petroleum or chemical factories

DETECTED UNREGULATED CONTAMINANTS TABLE								
Parameter	Units	MCL [SMCL]	MCLG	Burktown Subdivision Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Sodium	ppm	**	**	10.0	10.0 to 10.0	2023	No	Erosion of natural deposits
Zinc	ppm	[5]	**	0.320	0.320 to 0.320	2023	No	Erosion of natural deposits

LEAD AND COPPER MONITORING RESULTS								
Parameter	Units	Action Level	MCLG	Burktown Subdivision 90th Percentile	# of sample sites above Action Level	Sample Date	Violation No/Yes	Typical Source of Contaminant
Lead	ppb	15	0	ND	0 of 10	2023	No	Corrosion of household plumbing systems
Copper	ppm	1.3	1.3	0.0061	0 of 10	2023	No	Corrosion of household plumbing systems

MICROBIOLOGICAL MONITORING RESULTS								
Parameter	Units	MCL	MCLG	Burktown Subdivision # of Positive Samples	Positive Sample Date (Month)	Sample Year	Violation No/Yes	Typical Source of Contaminant
Total Coliform	Present/	1*	0	0	N/A	2023	No	Naturally present in the environment
E. coli	Absent	0	0	0	N/A	2023	No	Human and animal fecal waste

RADIONUCLIDES TABLE								
Parameter	Units	MCL	MCLG	Burktown Subdivision Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Alpha emitters	pCi/L	15	0	ND	ND to ND	2023	No	Erosion of natural deposits
Combined Radium 226/228	pCi/L	5	0	ND	ND to ND	2023	No	Erosion of natural deposits

*Total Coliform Rule MCL= 1 positive sample for systems that collect <40 samples a month

** No established MCL, SMCL or MCLG

•N/A: Not applicable to this contaminant •ppb (ug/L): parts per billion or micrograms per liter •ppm (mg/L): parts per million or milligrams per liter •pCi/l: picocuries per liter, a measurement of radiation

•ND (Not Detected): By regulation, this substance or group of substances was tested for in our finished tap water; however, none was detected at the testing limit.

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