

Lead in drinking water...get in the know!

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. Orangeburg DPU is responsible for providing high quality drinking water and removing lead pipe but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact Orangeburg Department of Public Utilities at 803-268-4404. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

Service Line Inventory Assessment

In 2021, the U.S. Environmental Protection Agency (EPA) revised the Lead & Copper Rule (LCRR) to include a new requirement that all water utilities across the country must create initial inventories of their water service lines and connections to find any lead service line or connection that may exist in a water system. These inventories must also include the customers' side of the water meter.

Over the last 2 years, DPU conducted an initial inventory of our service lines that connect our water mains to your water meter to determine if any of the lines are made of lead. DPU will continue our inventory work until all service lines are identified. The results of the initial inventory can be viewed at <https://www.orbgdpu.com/services/water/lead>. For more information about the EPA's Lead and Copper Rule, visit www.epa.gov/groundwater-and-drinking-water/revise-lead-and-copper-rule.

Special Concerns

Some people may be more vulnerable to the 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 provider. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (800-426-4791).

Este informe contiene información muy importante sobre el agua que usted bebe. Tradúzcalo ó hable con alguien que lo entienda bien, favor de llamar a Servicio del Cliente at 268-4186.

Department of Public Utilities

City of Orangeburg
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How To Contact Us:

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Eric Odom, Water Division Director
Please call the Water Division at
Phone: 803-268-4404 or Fax: 803-531-3803
or visit our website at: www.orbgdpu.com

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2024 WATER QUALITY REPORT



Where does my water come from?

The Department of Public Utilities obtains its raw water from the North Fork Edisto River. The high quality and abundant quantity provides for future community and economic development. Our water treatment plant processes an average of 8 million gallons per day (MGD) and has the capability to treat 30 MGD.

A Source Water Assessment was performed by SCDES. Please contact the Water Division for a copy of the results at 803-268-4404.



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, or wildlife.

Inorganic contaminants, such as salts and metals, which can be naturally occurring, may 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 may also come from gas stations, urban stormwater runoff and septic systems.

Radioactive contaminants, which can be naturally occurring or may 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.

Availability of monitoring data for unregulated contaminants for Orangeburg DPU

Our water system has sampled for a series of unregulated contaminants. Unregulated contaminants are those that don't yet have a drinking water standard set by the Environmental Protection Agency. The purpose of monitoring for these contaminants is to help EPA decide whether the contaminants should have a standard. As our customers, you have a right to know that these data are available. If you are interested in examining the results, please contact Mr. Odom at 803-268-4404.

Why are there contaminants in the water?

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 the water poses a health risk. The sources of drinking water (both tap 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 radioactive material, and can pick up substances resulting from the presence of animals or human activity. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791).

2024 Water Quality Data

	Substance	# of Tests	MCL	MCLG	Detected Level	Range	Major Sources	Meets EPA Standards
Inorganics	Fluoride (as tested by DHEC) (PPM)	1	4	4	0.74	0.74	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories.	Yes
	Fluoride (as tested by our DHEC certified laboratory) (PPM)	732	4	4	0.7	0.64 - 0.75	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories.	Yes
	Nitrate (PPM)	1	10	10	0.23	0.23	Run-off from fertilizer use; Leaching from septic tank sewage; Erosion from natural deposits.	Yes
Volatile Organics	Total Trihalomethanes (PPB)	4	80	N/A	LRAA=28	16.3 to 42.5	By-product of drinking water disinfection.	Yes
	Haloacetic Acids (PPB)	4	60	N/A	LRAA=39	24.1 to 58.4	By-product of drinking water disinfection.	Yes
Microbiological	Total Coliform (P/A)	734	TT	0	1.226%	0.0 to 4.41%	Naturally present in the environment.	Yes
	Turbidity (NTU)	2928	TT = 1 TT = 95% of samples <0.3	0	0.05 100%	0.03 to 0.09 100%	Soil runoff.	Yes
Disinfection By-Products	Residual Chlorine (PPM)	734	MRDL = 4	MRDL = 4	RAA=2.9	0.07 to 4.2	Water additive used to control microbes.	Yes
	Total Organic Carbon (PPM)	12	TT	Required % removal 45.4%	Actual % removal 62.8%	Actual % removal range 53.1 to 68.7%	Naturally present in the environment.	Yes
Rads	Rad 226/228 (pCi/L)	1	5	0	0.43	0.43 to 0.43	Erosion of natural deposits	Yes

2023 Lead and Copper Data

Substance	Number of Tests	Action Level	MCLG	90th Percentile	Range	Number of Sites Above Action Level	Major Sources	Meets EPA Standards
Lead** (PPB)	30	AL = 15	0	0.66	ND to 3.0	0	Corrosion of household plumbing systems; Erosion of natural deposits.	Yes
Copper** (PPM)	30	AL = 1.3	0	0.034	ND to 0.14	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.	Yes

** Lead and copper samples are only required once every 3 years on the reduced monitoring plan. They are scheduled to be collected again in the summer of 2026.

Key to Tables

- 1LV1A = Level 1 Assessment
- LRAA = Locational Running Annual Average
- MCL = Maximum Contaminant Level
- MCLG = Maximum Contaminant Level Goal
- MRDL = Maximum Residual Disinfectant Level
- N/A = Not Applicable
- ND = Not Detected
- NTU = Nephelometric Turbidity Unit
- P/A = Presence / Absence
- pCi/L = Picocuries per liter
- PPB = Micrograms per liter or parts per billion or one ounce in 7,350,000 gallons of water
- PPM = Milligrams per liter or parts per million or one ounce in 7,350 gallons of water

Our water meets or exceeds all drinking water standards.

How Do I Read This Table?

The table contains the name of each substance, the highest level allowed by regulation (MCL), the ideal goals for public health (MCLG), the amount detected, the usual sources of such substances, and a key to units of measurement.

Maximum Contaminant Level (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 (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.

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 disinfectant allowed in the drinking water. There is compelling evidence that addition of a disinfectant is necessary for control of microbial 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. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.

2024 Unregulated Contaminant Monitoring (UCMR5)

Analyte	Detected Level	Range
PFHpA (PPB)	0.000925	ND - 0.0037
PFHxA (PPB)	0.00115	ND - 0.0046
PFOS (PPB)	0.00105	ND - 0.0042
PFPeA (PPB)	0.000925	ND - 0.0037