

2017 WATER QUALITY REPORT



Dade County Water & Sewer Authority 2017 Consumer Confidence Report

The Consumer Confidence Report (CCR) is a document that provides consumers information about the quality of drinking water in an easy to read format. The CCR summarizes information that your water system already collects to comply with Federal and State regulations. It includes information about the source(s) of water used, contaminants, compliance with drinking water rules, educational health information and water system contact information.

Dade County Water & Sewer Authority

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Smart Water Tips for Outside Your Home:

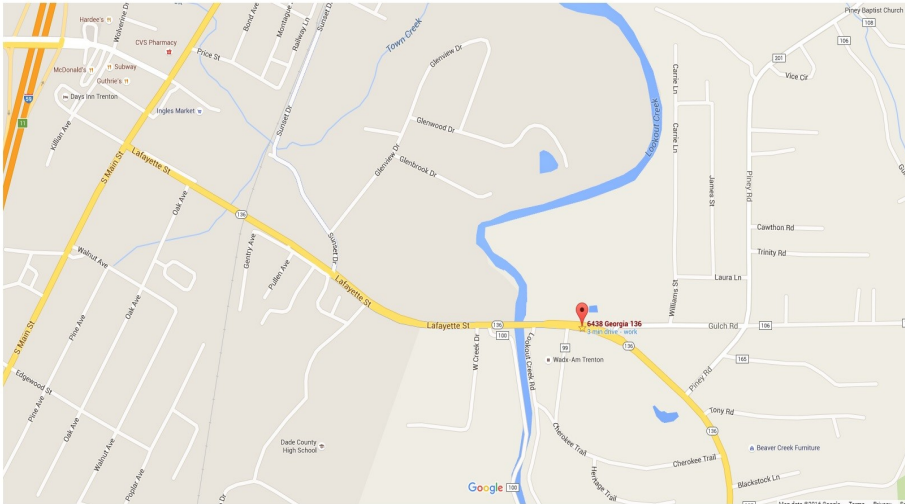
- Repair leaks in faucets and hoses.
- Use water-saving nozzles.
- Use mulch around plants and shrubs.

Water is life...

Dade County Water and Sewer Authority Information

Source of Dade County's Water

The water provided to Dade County Water and Sewer Authority's customers is surface fresh water drawn from Lookout Creek and supplemented with ground water from a well located at the water treatment plant. The map below shows the location of the two water sources.



Once the water is withdrawn from the creek or well, it is sent to the water treatment plant at Highway 136. The water then has alum added to it to cause the fine mud particles and other solids to come together and sink to the bottom of the settling basins.

The clear water is then filtered and disinfected with chlorine which makes the water safe for consumption. Lime is added to

adjust the pH level to make the water non-corrosive. Fluoride is then added to the treated water to promote strong teeth and prevent dental cavities. The water is then distributed to the consumer.

The operation of the Dade County Water and Sewer Authority is conducted under the direction of the Water Authority's Board of Directors who are appointed by the Dade County Commission. The Board holds regularly scheduled meetings at 8 a.m. on the third Friday of each month. The meetings are open to the public and are held at the Dade County Administrative Building, located at 71 Case Ave, Trenton, GA 30752. The Dade County Water Authority business office is open daily except for holidays. Lobby hours are from 8 a.m. to 5 p.m. The customer service telephone number is 706-657-4341. For emergencies call 706-657-6097.

From the Manager's Desk

I am happy to report once again that there were no MCL violations again this year and that The Dade County Water and Sewer Authority met or exceeded all standards as set by the EPA.

Doug Anderton,
General Manager

How to Read This Table

Starting with a **Substance**, read across. **MCLG** is the goal level for that substance (this may be lower than what is allowed). **MCL** shows the highest level of substance (contaminant) allowed. **Amount Detected** represents the measured amount (less is better). **Range** tells the highest and lowest amounts measured. A **Yes** under **Is It Safe?** means that the government requirement was met. **Typical Source** tells where the substance usually originates.

System Information for 2017

- Gallons of water produced each day: 1.93 Million
 - Population served: 17,000*
 - Square miles in service area: 174*
 - Miles of water main: 344*
- * Approximations

Smart Water Tips for Outside Your Home:

- Repair leaks in faucets and hoses.
- Use water-saving nozzles.
- Use mulch around plants and shrubs.

Smart Water Tips for Inside Your Home:

- Take shorter showers.
- Do not let the water run when shaving or brushing teeth.
- Wash only full loads of laundry.
- Run the dishwasher only when full.
- Do not use the toilet for a trash can.
- Fix leaking faucets, pipes, toilets, etc.
- Replace old fixtures; install water-saving faucets, toilets and appliances.

Additional Water Quality Parameters of Interest

This table shows average levels of additional water quality parameters which are often of interest to consumers. Values shown here are averages of operation data for 2017. Values may vary from day to day. There no health-based limits for these substances in drinking water.

Additional Water Quality Parameters of Interest		
Substance	Amount	Range
Alkalinity (ppm)	105	57-148
Hardness (ppm)	125	83-142
Iron	0.0	0.0-0.02
Manganese	0.02	0.0-0.04
Sodium (ppm)	1.8	0-1.8
Temperature (°Celsius)	16	6-26
pH (units)	7.1	6.2-7.5

Proud Members of National and State Rural Water Associations!



Dade County Water and Sewer Authority now accepts payments via your credit or debit card. You can go to our website, www.mydadewater.com, or call and pay over the phone! We gladly accept Visa, MasterCard and Discover! We also offer automatic payments via your checking account. Just call 706-657-4341 and speak with a customer service representative.



Water Quality Statement

We are pleased to report that during the past year, the water delivered to your home or business complied with, or was better than, all state and federal drinking water requirements. For your information, we have compiled a list in the table, showing what substances were detected in your drinking water during 2017. Although all of the substances listed below surpasses or meets all federal and state water quality regulations, we feel it is important that you know exactly what was detected and how much of the substance was present in the water.

How to Read This Table

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Regulated Substances

Substance	MCLG	MCL	Amount	Range	Is it Safe?	Typical Source
Total Coliform	0%	5%	0%	0-0%	Yes	Naturally present in the environment
Total Organic Carbon (ppm)	NA	TT	1.0	0.8-1.3	Yes	Naturally present in the environment
Turbidity (NTU)	NA	1.0	0.08	0.05-0.67	Yes	Soil runoff
Chlorine	4	4	2.2	0.7-3.0	Yes	Water additive used to control microbes
Fluoride (ppm)	4	4	0.91	0.71-1.13	Yes	Erosion of natural deposits; Water additive which promotes strong teeth.
Nitrate (ppm)	10	10	0.36	0-0.36	Yes	Runoff from fertilizer use; leaching from septic tanks; Sewage; Erosion of natural deposits.
Sodium (ppm)	NA	NA	1.7	0-1.7	Yes	Erosion of natural deposits; Used in water treatment.

DISINFECTION BY-PRODUCTS

Substance (units)	MCLG	MCL	Amount	Range	Is it Safe?	Typical Source
Haloacetic Acids (HHA5) (ppb)	NA	60	35.3	31-40	Yes	By-product of drinking water disinfection
Total Trihalomethanes (TTHMs) (ppb)	NA	80	35	20-50	Yes	By-product of drinking water chlorination

Tap water samples were collected for lead and copper analyses from 30 homes in the service area.

Substance (units)	MCLG	MCL	Amount	Range	Is it Safe?	Typical Source
Copper (ppm)	1.3	1.3	0.05	0-0.37	Yes	Corrosion of household plumbing systems; Erosion of natural deposits.
Lead (ppm)	0	15	0.001	0-0.22	Yes	Corrosion of household plumbing systems; Erosion of natural deposits.

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. The Dade County Water Authority 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 www.epa.gov/safewater/lead.

Table Definitions:

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

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health.

NA: Not applicable.

NTU (Nephelometric Turbidity Unit): Measurement of the clarity or turbidity of water.

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

ppb (parts per billion): One part substance per billion parts water

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