

ANNUAL DRINKING WATER QUALITY REPORT

Woodruff-Roebuck Water District (4220007)

May, 2026

P. O. Box 182, Woodruff, S.C. 29388

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

The source of drinking water used by the Woodruff- Roebuck Water District is surface water.

Este informe contiene informacion muy importante. Traduscalo o hable con alguien que lo entienda bien.

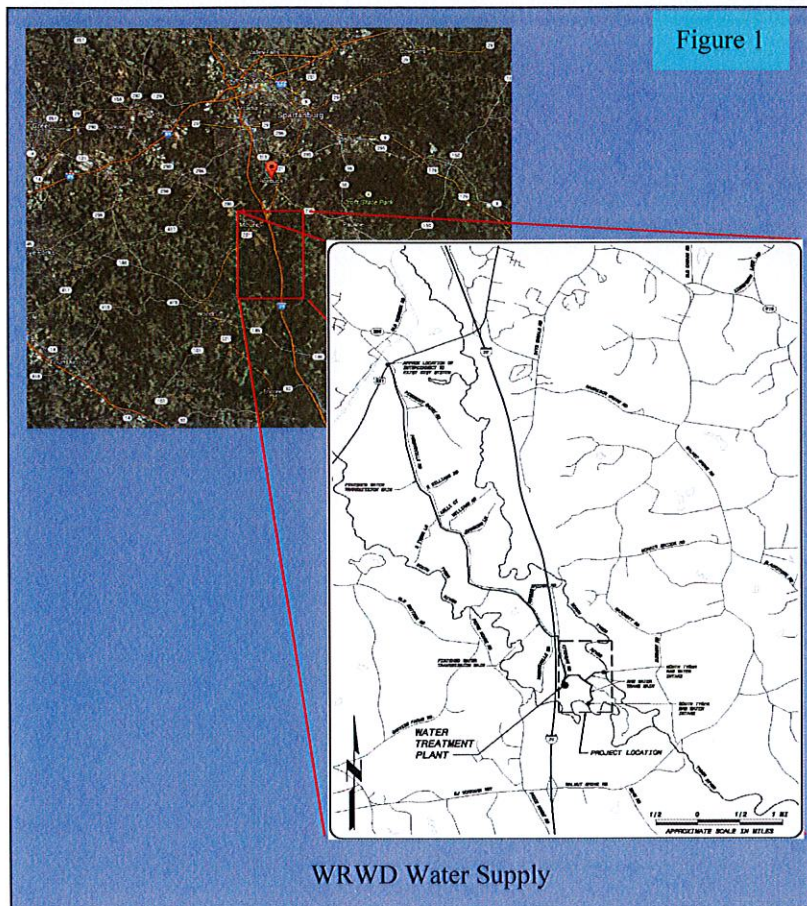
CONSUMER CONFIDENCE REPORT

On August 6, 1998, the Environmental Protection Agency promulgated the Consumer Confidence Report regulation. This rule requires public water systems to publish an annual report for distribution to their customers and other water consumers which gives detailed information about water sources, water treatment, water quality and regulatory compliance. The annual reports, covering the calendar year 2025, must be prepared and distributed by July 1, 2026.

SOURCE WATER INFORMATION

The Woodruff-Roebuck Water District (WRWD) supplies water to its distribution system from its drinking water treatment plant. The Woodruff- Roebuck Water District Water Treatment Plant uses surface water from the North and South Tyger Rivers just before the rivers come together to form the Tyger River (Figure 1).

The North Tyger River is formed from the Middle and South Tyger Rivers and all of their tributaries. The rivers originate in Spartanburg County in South Carolina. The South Tyger River forms in Northern Greenville County in South Carolina and passes through Spartanburg County. There is an intake on each river capable of delivering the full plant capacity from either river.



The South Carolina Department of Environmental Services (SCDES) is required by the Safe Drinking Water Act Amendments of 1996 to perform a delineation and assessment of each watershed in South Carolina which is used as a drinking water source. A Source Water Assessment has not been conducted for the entire WRWD Watershed, however, assessments can be found for water providers just above us. For the North Tyger River Source you can refer to the SJWD Source Water Assessment in the Spartanburg County section. The Greer CPW Source Water Assessment can be referenced for the South Tyger River and is located in the Greenville County Section. Additional information about SCDES's Source Water Assessment Program and the specific Assessments are no longer on the SCDES website but may be found through the following website; www.scdes.gov/homeandenvironment/water/sourcewaterprotection/

TREATMENT PROCESS

Conventional water treatment is used at the Woodruff- Roebuck Water District Water Treatment Plant (WTP). “Raw” water from the rivers is first passed through a screen to prevent large objects from entering the treatment process. The water is pumped from each intake to the WTP where alum and lime are then added. In a process called coagulation, these substances combine with each other and with fine particles in the water to form a substance called “floc” which is heavier than water. The water then passes through basins equipped with “plates” where the floc settles to the bottom and is removed, taking unwanted substances with it. Clear “settled” water is skimmed from the top of the basins and chlorine is added to this water to remove iron and manganese, two natural substances in the water which would stain clothing and plumbing fixtures if not removed, as well as, lead to dirty water being experienced in the distribution system. The chlorine also acts as a disinfectant, destroying bacteria, viruses, algae, and other organisms, some of which could cause illness. The water then passes through filters to remove still more unwanted material. Additional chlorine disinfectant and lime are added as needed to meet state requirements. A corrosion inhibitor containing phosphate is added to preserve distribution piping and prevent lead and copper contamination. Each step of the treatment process represents a barrier which prevents chemical contaminants and disease organisms from passing through the treatment plant into the drinking water. EPA has established standards for the performance of each of these barriers.

The effectiveness of coagulation, sedimentation and filtration in removing particles from the water is determined by measuring the turbidity of the water as it leaves the filters. Turbidity is a measure of the quantity of finely divided particles suspended in the water, and is reported in units called NTU. The EPA standard for the turbidity of filtered water states that turbidity may not exceed 0.3 NTU in more than 5% of all the measurements taken, and must never exceed 1 NTU. 1 NTU turbidity cannot be seen by the human eye. Turbidity measurement is required every 4 hours. WRWD was in full compliance with this requirement in 2025.

Regulations also require maintenance of a minimum level of disinfection throughout the distribution system.

WRWD used chlorine as its only disinfectant during 2025. The MRDL for chlorine is 4 parts per million. The MRDLG for chlorine is also 4 ppm. Public water systems performing water treatment are required to monitor Total Organic Carbon (TOC) levels in their source and finished water. TOC provides a measure of available organic precursors, the natural raw material that reacts with chlorine to form disinfection byproducts. By limiting the amount of this raw material available, as well as the level of disinfectant used, the potential for forming disinfection byproducts can be limited. A minimum percent removal of TOC through the treatment process is required. What is reported is the ratio of the actual removal percentage achieved and the minimum requirement. A running annual average (average of four consecutive quarterly averages) ratio of 1.0 or higher indicates compliance with the requirements.

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 pickup 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 live-stock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water 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, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

CHEMICAL MONITORING

Public water systems are required to monitor their drinking water for a large number of chemical contaminants. These include inorganic chemicals, synthetic organic chemicals, volatile organic chemicals, disinfection byproducts, and radioactive contaminants. For some of these contaminants, EPA has established and SCDES has adopted maximum contaminant levels and maximum contaminant level goals. These contaminants are referred to as regulated contaminants. For other contaminants, EPA and SCDES require monitoring as a means of building a base of occurrence data, but there are not at this time any enforceable limits on the concentration of these contaminants. These are referred to as unregulated contaminants. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health. 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 microbiological contaminants are available from the [Safe Drinking Water Hotline 1-800-426-4791](tel:1-800-426-4791). Public water systems are required to report only those contaminants which have been detected during the calendar year 2025, or in the most recent sample taken for parameters measured less frequently than once per year. The information must include the contaminant name, the MCLG and MCL, the highest level found (or the average for substances subject to secondary MCL's) and the range of measurements if multiple samples were taken, the date samples were taken, and the typical source or sources of the contaminants detected. Normal levels of trihalomethanes and haloacetic acids, which are the expected byproducts of chlorine disinfection, were observed, but these are not regulated at the treatment plant. All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be micro bes, inorganic or organic chemicals and radioactive substances. All 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](tel:1-800-426-4791). 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. Woodruff-Roebuck Water District 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>.

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day for a lifetime at the MCL level to have a one-in-a-million chance of having the described health effect.

Woodruff-Roebuck Water District & the South Carolina Department of Environmental Services routinely monitor for contaminants in your drinking water according to federal and state laws. The tables below show the results of monitoring for contaminants which have been detected during the period of January 1st to December 31st, 2025.

Regulated Substances Detected in the WRWD Finished Drinking Water							
Substance	MCLG	MCL	Highest Level	Range of Levels Detected	Year Sampled	MCL exceeded ?	Typical Source
Nitrate (measured as Nitrogen)	10 ppm	10 ppm	0.63 ppm	0.63-0.63 ppm	2025	NO	Runoff from fertilizer use. Leaching from septic tanks and sewage. Erosion from natural deposits.
Turbidity	0	TT= INTU TT= % of Samples below 0.3 NTU	0.66 NTU 100%	0.04-0.66 NTU	2025	NO	Soil runoff
Total Organic Carbon (TOC)*	N A	TT= Removal Ratio of 1 or greater	Removal Ratio= 1.09	Removal Ratio= 1.00-1.26	2025	NO	Naturally Occurring
Combined Radium 226/228	0	5 pCi/L	0.0834 pCi/L	0.0834 - 0.0834 pCi/L	2022	NO	Erosion of natural deposit. Water additive which promotes strong teeth. Added to prevent tooth decay.
Sodium (*)	NA	NA	8.9 ppm	8.9-8.9 ppm	2025	NO	Naturally Occurring

*The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set.

(*) Sodium is not regulated but it is checked yearly by SCDES.

Woodruff- Roebuck Water District Distribution Monitoring for Lead and Copper Rule

Contaminant Unit	Action Level (AL)	MCLG	90th Percentile	# of Sites Over Action Level	Year Sampled	Violation	Typical Source of Contamination
Copper	1.3 ppm	1.3 ppm	0.186 ppm	0	2024	NO	Corrosion of household plumbing systems.

Woodruff– Roebuck Water District Disinfection and Disinfection Byproducts

Disinfection and Disinfection Byproducts	MCLG	MCL	Highest Level	Range of Levels Detected	Year Sampled	MCL exceeded ?	Typical Source
Chlorine	4.0 ppm	4.0 ppm	0.96 ppm (RAA)	0.20– 1.60 ppm	2025	NO	Added for disinfection.
Haloacetic Acids (HAA5)	No Goal for Total	60 ppb	34 ppb (highest LRAA)	14.8-55.5 ppb	2025	NO	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	No Goal for Total	80 ppb	53 ppb (highest LRAA)	17.7– 106.9 ppb	2025	NO	By-product of drinking water disinfection.

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

Woodruff– Roebuck Water District Distribution Monitoring for Coliform Bacteria

Contaminant	MCLG	TT	Result	Year Sampled	Violation	Typical Source of Contamination
Total Coliform	NA	TT*	No positive E coli. results	2025	No	Naturally Present in the Environment

Woodruff– Roebuck Water District Unregulated Contaminants (UCMR5)

Unregulated contaminants are contaminants that do not have an enforceable drinking water limit set by EPA. EPA is required by the Safe Drinking Water Act to identify every five years a list of potential contaminants, make a rule for water system to test them, and then decide whether regulation is necessary. As part of the Unregulated Contaminant Monitoring Rule 5 (UCMR5), SCDES tested WRWD WTP and Distribution System in 2025 for 30 unregulated contaminants. Twenty-six of the contaminants under review were not detected, but four were detected. The results of the testing are listed below. Six of the contaminants tested pursuant to UCMR5 are subject to EPA’s 2024 National Primary Drinking Water Regulation (NPDWR). Those contaminants are PFOA, PFOS, PFBS, PFHxS, PFNA, and HFPO-DA, also known as GenX. They belong to a class of man-made chemical compounds known as PFAS. Pursuant to the 2024 NPDWR, EPA has issued MCLs and MCLGs for these six PFAS compounds. Presently, utilities will be required to achieve compliance with the MCLs in 2029, when the limits become enforceable. Conventional water treatment methods are not capable of eliminating PFAS from drinking water. WRWD is currently testing and evaluating advanced treatment technologies to remove PFAS from the water supply by EPA’s compliance deadline.

Unregulated Contaminants Monitoring Rule 5 (UCMR5)				
Substance	Sample Location	Average Level Found ug/L	Range of Levels Found ug/L	Year Sampled
lithium	WTP POE	<MRL	<MRL	2025
11C1-PF3OUds	WTP POE	<MRL	<MRL	2025
4:2 FTS	WTP POE	<MRL	<MRL	2025
6:2 FTS	WTP POE	<MRL	<MRL	2025
8:2 FTS	WTP POE	<MRL	<MRL	2025
9C1-PF3ONS	WTP POE	<MRL	<MRL	2025
ADONA	WTP POE	<MRL	<MRL	2025
HFPO-DA	WTP POE	<MRL	<MRL	2025
NFDHA	WTP POE	<MRL	<MRL	2025
PFBA	WTP POE	<MRL	<MRL	2025
PFBS	WTP POE	0.0035	0.0035-0.0035	2025
PFDA	WTP POE	<MRL	<MRL	2025
PFDoA	WTP POE	<MRL	<MRL	2025
PFEESA	WTP POE	<MRL	<MRL	2025
PFHpA	WTP POE	<MRL	<MRL	2025
PFHpS	WTP POE	<MRL	<MRL	2025
PFHxA	WTP POE	0.0034	0.0030-0.0043	2025
PFHxS	WTP POE	<MRL	<MRL	2025
PFMBA	WTP POE	<MRL	<MRL	2025
PFMPA	WTP POE	<MRL	<MRL	2025
PFNA	WTP POE	<MRL	<MRL	2025
PFOA	WTP POE	0.0047	0.0047-0.0047	2025
PFOS	WTP POE	<MRL	<MRL	2025
PFPeA	WTP POE	0.0044	0.0034-0.0058	2025
PFPeS	WTP POE	<MRL	<MRL	2025
PFUnA	WTP POE	<MRL	<MRL	2025
NEtFOSAA	WTP POE	<MRL	<MRL	2025
NMeFOSAA	WTP POE	<MRL	<MRL	2025
PFTA	WTP POE	<MRL	<MRL	2025
PFTTrDA	WTP POE	<MRL	<MRL	2025

Resource Information for Per-Polyfluoroalkyl Substances (PHAS) can be found with the following links.
 SCDES – <http://des.sc.gov/programs/bureau-water/and-polyfluoroalkyl-substances-phas>
 USEPA – <https://www.epa.gov/pfas>

Spartanburg Water System & the South Carolina Department of Environmental Services routinely monitor for 150 contaminants in your drinking water according to federal and state laws. The tables below show the results of monitoring for contaminants which have been detected during 2025.

SPARTANBURG WATER SYSTEM MONITORING—REGULATED

Substance	MCLG	MCL	Highest Level	Range of Levels	Year Sampled	MCL exceeded ?	Typical Source
Fluoride* R. B. Simms	4.0 ppm	4.0 ppm	0.65 ppm	NA*	2025	NO	Erosion of natural deposit. Water additive which promotes strong teeth
Nitrate	10 ppm	10 ppm	0.05 ppm	NA	2025	NO	Naturally occurring and fertilizer runoff
Total Organic Carbon	NA	TT = removal ratio of 1 or greater	Removal Ratio Avg. = 1.00	1.00—1.06	2025	NO	Naturally occurring
Turbidity	N/A	TT = 1 NTU	0.46 NTU	0.00—0.46	2025	NO	Soil Runoff
		TT = Percentage of samples equal to or below 0.3 NTU	99%	NA			

* Only fluoride results from samples taken by SCDES are given in the table. Average fluoride level detected by SWS's certified lab during 2025 was 0.73 ppm for RB Simms.

SPARTANBURG WATER SYSTEM MONITORING—UNREGULATED

Substance	MCLG	Secondary MCL	Level Found	Range Of Level	Year Sampled	MCL Exceeded?	Typical Source
Sodium	N/A	N/A	7.6 ppm	N/A	2025	No	Naturally Occurring

SWS WATER-COLIFORM BACTERIA MEASURED IN THE DISTRIBUTION SYSTEM

Contaminant	MCLG	TT Date of Sample	Result	Year Sampled	Was TT Exceeded?	Typical Source
Total Coliform	NA	TT*	No positive E coli. results	2025	NO	Naturally present in the environment

On April 1, 2016 SCDES required public water systems to implement the Revised Total Coliform Rule (RTCR). * Under RTCR a Treatment Technique (TT) violation is defined as any of the following: E. Coli positive repeat sample following a total coliform-positive routine sample, Total coliform-positive repeat sample following an E. Coli routine sample, Failure to take all required repeat samples following an E. Coli-positive routine sample and Failure to test for E. Coli when any repeat sample tests positive for total coliform.

Substances Monitored for the Secondary Drinking Water Regulations (Samples taken at the RB Simms Treatment Plant)

Substance	MCLG	Secondary MCL	Average Level Found	Range of Levels Found	Date of Sample	Typical Source
Aluminum	No MCLG	200 ppb	14 ppb	11—22 ppb	2025	Naturally Occuring
Chloride	No MCLG	250 ppm	10 ppm	7—11 ppm	2025	Naturally Occuring
Copper	No MCLG	1000 ppb	ND	ND	2025	Naturally Occuring
Manganese	No MCLG	50 ppb	6 ppb	ND—31 ppb	2025	Naturally Occuring
PH	No MCLG	6.5-8.5 SU	7.1 SU	6.9—7.3 SU	2025	Naturally Occuring
Sulfate	No MCLG	250 ppm	12 ppm	9—14 ppm	2025	Naturally Occuring
Total Dissolved Solids	No MCLG	500 ppm	62 ppm	32—88 ppm	2025	Naturally Occuring
Zinc	No MCLG	5000 ppb	24 ppb	18—44 ppb	2025	Added for corrosion control

SWS WATER DISINFECTANTS AND DISINFECTION BYPRODUCTS MEASURED IN THE DISTRIBUTION SYSTEM

Substance	MRDLG MCLG	MRDL MCL	Highest Level Found	Range of Levels Found	Date of Sample	Was MRDL or MCL Exceeded?	Typical Source
Chlorine	4 ppm	4 ppm	1.69 ppm	0.41—1.69	2025	NO	Added for disinfection
Total Trihalomethanes	0	80 ppb*	LRAA=44 ppb	12– 67	2025	NO	By-product of disinfection
Total Haloacetic Acids	0	60 ppb*	LRAA= 40 ppb	22—55	2025	NO	By-product of disinfection

* Compliance for Trihalomethanes and Haloacetic Acids are based on Locational Running Annual Average (LRAA), not individual sample values. The calculated LRAA may include data from 2024 not reported on this table while range of levels found represents samples collected.

SWS WATER LEAD AND COPPER MEASURED IN THE DISTRIBUTION SYSTEM (required every 3 years)

Contaminant	Action Level 90%	SWS 2025 90%	Number over Action Level	Typical Source
Copper	1.3 ppm	0.22 ppm	0	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	15 ppb	ND	0	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.

What do all those symbols mean?

Distribution System (Dist)-Sample locations are located in the service area of the Woodruff – Roebuck Water District

Non-Detects (ND)-laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter (mg/l)-one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter-one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per trillion (ppt) or Nanograms per liter-one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Picocuries per liter (pCi/L) – concentration of radon.

Micrograms per liter (ug/L)

Minimum reporting level (MRL)

Action Level-the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

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

Maximum Contaminant Level Goal-(MCLG) - The “**Goal**” is 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.

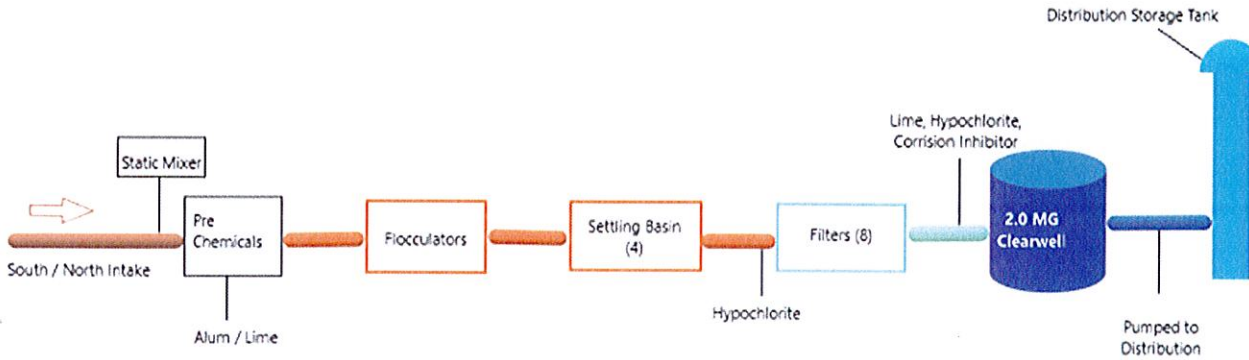
Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Water Treatment Plant (WTP)-Woodruff– Roebuck Water District Water Treatment Plant located in Roebuck SC.

Point of entry (POE) - Woodruff– Roebuck Water District Water Treatment Plant

WOODRUFF ROEBUCK WATER DISTRICT WATER TREATMENT PLANT



8.8 MGD PLANT CAPACITY

If you have questions about this report, please call our office at 864-476-3188. Our District is governed by a Board of Commissioners who meet at the District Office on the third Thursday of each month at 12:30 p.m.