

# Annual Drinking Water Quality Report

## City of York (2020)

**#4610001**

We are pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the water quality and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

Our water sources are Lake Caldwell and Lake Carolyn. Access to Lake Caldwell is restricted to authorize personnel. This limits the susceptibility to potential sources of contamination. Our Source Water Assessment Plan is available for review at: <http://www.scdhec.gov/HomeAndEnvironment/Water/SourceWaterProtection/>, if you do not have internet access, please contact Ben Wright at 684-2341 to arrange to review this document.

The City of York purchased on average 870,000 gallons of water per day from Rock Hill for the year, 2020. York County receives their water supply from the City of Rock Hill, who draws their water from the Catawba River. The City of York ceased operating its 93-year-old water treatment plant on September 30, 2019. Beginning October 1, 2019, the City of York began purchasing essentially all its water from Rock Hill.

The City of York routinely monitors for constituents in your drinking water according to Federal and State laws. The table shows the results of our monitoring for the period of January 1 to December 31, 2020.

Definitions: The following tables contain scientific terms and measures, some of which may require explanation.

Maximum Contaminant Level Goal or 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.

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

Maximum residual disinfectant level goal or 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.

Maximum residual disinfectant level or 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.

ppm: milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

ppb: micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

na: not applicable.

Avg: Regulatory compliance with some MCLs are based on running annual average of monthly samples.

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

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALG's allow for a margin of safety.

Nephelometric Turbidity Unit (NTU) - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of five NTU's is just noticeable to the average person.

Treatment Technique (TT) - (mandatory language) - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

## Test Results

### City of York (SC4610007)

Volatile Organic Contaminants						
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Chlorine (2020)	N	1.0 Range 0.9-1.16	ppm	MRDLG = 4	MRDL = 4	Water additive used to control microbes
Haloacetic acids (HAAs) (2020)	N	29 Range 13.3-33.0	ppb	60	N/a	By-product of drinking water disinfectant
TTHM [Total trihalomethanes] (2020)	N	50 Range 25.3-63.5	ppb	80	n/a	By-product of drinking water chlorination

### Rock Hill Water System (SC4610002)

Fluoride (2020)	N	0.56 Range 0.56-0.56	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (2020)	N	0.39 Range 0.39-.39	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium **Unregulated Contaminant (2020)	N	5.2	ppm	N/A	N/A	Naturally Occurring

Synthetic organic contaminants including pesticides and herbicides	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Dalapon (2019)	N	1.48 Range 1.48-1.48	ppb	200	200	Runoff from herbicide used on right of ways

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 at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

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 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.

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 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 at (800) 426-4791.

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. 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 microbial contaminants are available from the Safe Drinking Water Hotline (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. We 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>.

If you have any questions concerning this report or your water utility, please contact Utilities Director, Ben Wright at 803-684-2341. We want our valued customers to be informed concerning their water utility. If you want to learn more, please attend any of our regularly scheduled Council meetings. They are held on the first Tuesday of each month at 6:00 p.m. at the City of York, City Hall.

"We at the City of York work around the clock to provide top quality water to every tap", stated Ben Wright "We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future".