



The City of Kannapolis Wastewater Collections System Annual Report Fiscal Year July 2025 - June 2026

Why Do We Publish This Report?

On July 21, 1999, North Carolina Governor James Hunt signed a law, House Bill 1160, requiring annual reports from municipalities that operate wastewater collection and treatment systems.

The annual reports inform system users of specific items such as the number of wastewater overflows, violations of permit conditions or environmental regulations. It also requires we report the impact of any such violations on the environment and corrective measures taken to minimize recurrences.

We have decided to inform you, the system user, not only of the required facts but of the stake each user has in this function and what you can do to help ensure its reliability.

The Treatment Process

The City of Kannapolis discharges its wastewater to the Water and Sewer Authority of Cabarrus County's (WSACC's) Rocky River Regional Wastewater Treatment Plant located in southern Cabarrus County.

The plant (NPDES Permit # NC0036269) has a treatment capacity of 30 million gallons per day (MGD) and uses a combination of pure-oxygen and pressurized air in activated sludge secondary treatment system that processes both domestic and industrial wastewater from both in-plant and off-site sources.

The solids processing operation relies on a combination of proven and cost effective technology available for the solids handling process.



The Wastewater Collection System

The City of Kannapolis's Wastewater Collection System was installed from the mid-1900's to the present. The system consists of approximately 355 miles of sewer pipelines and fifteen wastewater lift stations. The City of Kannapolis Public Works Department performs the operation and maintenance of the collection system that serves approximately 21,000 customers.

During our reporting year, our crews provided maintenance service to the system and its customers with professionalism and efficiency:



The Maintenance crew cleans the City's sewer system to limit the number of wastewater back-ups and overflows. A wastewater response crew responds to all calls related to potential blockages, customer back-ups and overflows within the collection system.



The Closed-Circuit TV Inspection crew uses a wheel-driven camera that records the interior of wastewater pipes to identify defects, obstructions, check effectiveness of the cleaning operations and inspects all new collection system extensions before the City accepts them for operation and maintenance.



The Pump Station crew maintains the City's fifteen wastewater lift stations. The crew performed 780 routine inspections and responded to over 333 alarms at the lift stations this year.



The City's maintenance crew clears the wastewater collections system's outfalls within rights-of-way and performs semi-annual inspections of the system.



The City also has three crews that install new service connections, performs minor system expansions and provides repairs to existing wastewater infrastructure.

Contract services are utilized for the installation of any major wastewater collection system expansions, the replacement of aging deteriorating infrastructure, infrastructure inspections, and some routine outfall maintenance.

The City of Kannapolis' Engineering Staff assists collection crews by providing additional technical support to operations and periodic updates to system maps and construction drawings.

The City of Kannapolis has several construction projects underway to further enhance the level of service and quality of life to our citizens. In addition, we continually perform proactive maintenance to the collection system to prevent wastewater overflows.



The following maintenance was completed:

Manholes raised & upgraded:	24
Repairs to laterals:	142
Sewer main repairs:	5
Lateral blockages, unblocked & rodded:	641
Closed-circuit camera inspection (linear feet):	30,025
Cleanouts installed:	15
Sewer mains cleaned (linear feet):	222,146
Cleanout caps installed:	68

Collection System Overflows

The City of Kannapolis investigated approximately 907 possible municipal and private wastewater related back-ups and overflows during the fiscal year. The ten incidents listed below resulted in a spill or overflow of wastewater to the surface waters and were reported to the State. All locations were hydraulically cleaned up and down stream, debris was removed (if any) and were video inspected. The affected areas were flushed with fresh water, treated with lime, seeded, and straw was spread.

Incidents that were reported to the State: July 2025 - June 2026

09/11/2025	6102 Vermillion Cedar Way	Debris, Tissue, Grease	(240 Gallons)
11/15/2025	1901 Concord Lake Rd.	Lift Station - Float Failure	(600 Gallons)
12/19/2025	221 Nellie Yale Place	Rags	(50 Gallons)
12/22/2025	899 Fairview St/800 Genoa St.	Grease	(15 Gallons)
12/23/2025	East 13th St @ N Cannon Blvd	Rags	(180 Gallons)
02/26/2026	1218 Northside St.	Rags	(304 Gallons)
03/09/2026	614 S. Cannon Blvd	Roots & Debris	(15 Gallons)
04/25/2026	1590 Daybreak Ridge	Roots & Debris	(200 Gallons)
06/05/2026	406 Cadillac St/Outfall	Pipe Failure	(2,292 Gallons)
06/14/2026	1574 Daybreak Ridge	Heavy Roots & Rags	(720 Gallons)

TO PREVENT WASTEWATER OVERFLOWS

- **NEVER** put oils, liquid or solid greases, fatty meat, or other food scraps down a drain - even if you use a motorized garbage disposal.
 - **NEVER** put down a drain feminine products, cotton swabs, matchsticks, convenience wipes such as baby, hygienic, cleaning and disinfectant, as well as toilet bowl scrubbers and paper towels even if labeled as "disposable or flushable".
 - **NEVER** use hot water to melt grease so it will go down the drain easier.
 - **NEVER** flush any of the items listed above down a toilet.
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- **ALWAYS** keep grease out of wash water by wiping dishes with a disposable towel before washing.
 - **ALWAYS** remove solidified grease from kitchen utensils, equipment, wares and food preparation areas with scrapers or paper towels. Dispose of scrapings and towels in trash cans.
 - **ALWAYS** allow hot liquid grease to solidify and then dispose of properly.
 - **ALWAYS** place all food scraps in trash collection containers.
 - **ALWAYS** recycle restaurant grease by using contract rendering services and have grease traps cleaned and serviced frequently.
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- **REPORT** trucks discharging liquids or other substances into open municipal sewer manholes.
 - **REPORT** acts of vandalism on manholes, sewer lines, lift stations, hydrants and other structures.
 - **REPORT** illegal dumping of toxic, corrosive, or flammable substances into manholes, drains, or toilets.

REPORT SUCH INCIDENTS TO:

**City of Kannapolis Customer Service
(704) 920-4444**

PUBLISHED BY:

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1401 Bethpage Road
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**Alex Anderson
Director of Water Resources**

**Copies of this report are available at
the following locations:**

**Customer Service Center
Kannapolis City Hall
401 Laureate Way
Kannapolis, NC 28081**

**This report may also be viewed on
the City's website at:**

www.kannapolisnc.gov



CERTIFICATION

I certify under penalty of law that this report is complete and accurate to the best of my knowledge. I further certify that this report has been made available to the users or customers of the named system and that those users have been notified of its availability.

Alex Anderson

Alex Anderson, Director of Water Resources

Date: July 24, 2026