



CITY OF ARCHDALE

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City of Archdale Wastewater Collection System 2021 Annual Report

This Annual Report for the City of Archdale Wastewater Collection System is prepared and submitted as required by House Bill 1160 of the Clean Water Act of 1969. This report summarizes the City of Archdale's Collection System performance over a twelve-month period from January 2021 to December 2021. It identifies the extent to which any of the terms of its permit, federal laws, state laws, rules, or regulations related to the protection of water quality have been violated.

Collection System Overview

The City of Archdale owns and operates its wastewater collection system. The collection system operates under Permit #WQCS00312 issued by the State of North Carolina. On average the City collects ~900,000 gallons of wastewater each day and transports it through 79 miles of gravity collection lines, 6.2 miles of force mains, and 10 pump stations to the City of High Point's Eastside Wastewater Treatment Plant. The City of Archdale owns 2.5 million gallons per day of treatment capacity in the Eastside Plant.

All pump stations are equipped with audible and visible alarms and a SCADA (Supervisory Control and Data Acquisition) electronic monitoring system. Six of the pump stations are equipped with permanent standby generators and portable generators are available for the other pump stations in case of power outages. Each pump station is visibly inspected at least 2 times a week by a Public Works Department employee. In addition, the City has developed a contingency plan to deal with failure at any one of the City's sewer pump stations.

Collection System Performance

The City's goal is to have zero spills and overflows from its collection system. Unfortunately, because pump stations are mechanical devices and sewer collection systems are subject clogs from grease, roots, construction debris, and litter, all systems are subject to spills and overflows.

In order to help prevent spills and overflows the City uses television equipment to visibly inspect lines and routinely flushes lines to help prevent future problems. In addition, a *Sewer Overflow Response Plan* has been prepared that identifies equipment, supplies, and on-call employees that are available to help mitigate spills and procedures to follow should an overflow or spill occur.

The City of Archdale Public Works Department routinely inspects and cleans collection system lines each year. This past year, over 49,000 feet of line was flushed and over 16,000 feet was inspected by remote television cameras. Additionally, all collection system right-of-ways and easements are routinely inspected, accessible, and mowed annually.

Spill Information

The City had 2 reportable spills for 2021.

- On March 26, 2021, Archdale experienced an overflow of approximately 40,500 gallons of untreated wastewater from the Weant Road pump station. Power outage and backup equipment failure led to this overflow.
- On August 26, 2021, Archdale experienced an overflow of approximately 96,000 gallons of untreated wastewater from a manhole behind 431 Aldridge Road. Tree roots had entered the line causing a blockage.

Residents can help minimize future overflow events by reporting issues to Archdale City Hall from 8am to 5pm Monday to Friday at 336-434-7341 and after-hours by reporting the events to the Archdale Police Department at 336-434-3134. These issues could include unauthorized uncovering of sewer manholes, improper disposal of materials into manholes, vandalism of manhole structures, observed overflows or spills, and/or strong sewage odor in or around sewer lines.

Publication

A copy of this Annual Report may be obtained by visiting City Hall at 307 Balfour Drive, Archdale between 8am and 5pm Monday to Friday. This report is also available online at www.archdale-nc.gov.