

South Granville Water And Sewer Authority Executive Director's Monthly Project Update Report March 2026

To: SGWASA Board Members
From: Scott N. Schroyer, Executive Director *SNS*
Topic: Topics Update Report for March 2026
Date: Report Issue Date 3/27/26

Executive Summary

SGWASA continued to make substantial progress across major capital projects, regulatory programs, and operational initiatives during March 2026. The Authority remains in compliance with all state and federal requirements, and several long-term infrastructure investments advanced toward key milestones.

PFAS Mitigation: The State Water Infrastructure Authority approved more than \$10.6 million in new funding to support SGWASA's PFAS treatment program. The project remains on schedule, with engineering design underway and Phase 2 pilot testing progressing. The formal funding structure will be finalized upon receipt of the Letter of Intent to Fund from NCDEQ.

I-85 Sewer Improvement Program: Construction of CP#1 continues on schedule and within budget. CP#2 construction also remains active on the Southern Interceptor; however, the Northern Interceptor portion has been deferred pending a Board review of the projected \$8 million cost and funding options.

Water Treatment Plant Filter Media Replacement: Filters 1–3 have been successfully rebuilt and returned to service. Filter 4 is currently offline with restoration planned for April, and Filter 5 will follow in late April or early May. The overall project remains on track for completion in Spring 2026.

Water Meter Replacement Program: Replacement of approximately 2,200 aging meters in the Creedmoor area is progressing on schedule toward the July 1, 2026 completion deadline.

Additional Capital Projects: The Water Valve Replacement Project design is complete and will move to public bidding later this year. Water quality modeling, booster station assessments, and control system evaluations are advancing under the Water Quality Improvements project. Both the Water and Wastewater AIA grant programs remain on track for delivery of final reports by May 1, 2026.

Regulatory Compliance: SGWASA remains fully compliant with the EPA Lead and Copper Rule. Annual notices have been completed, and service-line material identification activities continue through the systemwide pilot program.

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Project Dashboard

Project ID	Page #	Project Name	Status	Budget	Timeline	Key Update	Next Steps
1	5	PFAS Mitigation	● On Schedule	\$25M–\$30M; \$3.21M design; +\$10.66M pending LOIF	2024–2029	Phase 1 complete; Phase 2 underway; \$10.66M award awaiting LOIF	Begin Phase 2 work; Review LOIF; Spring 2026 SRF decision
2	8	I-85 Sewer Upgrade – CP#1	● On Schedule	\$34.8M	2025–2028	Haren Construction started 4/1/25; work is on schedule and budget.	Continue construction; monitor schedule and budget.
2	8	I-85 Sewer Upgrade – CP#2 (Southern Interceptor)	● On Schedule	Not to exceed \$30.24M (USDA-supported)	2025–2028	Southern Interceptor underway; Northern Interceptor (~\$8M) deferred pending Board review	Continue CP#2 work; Board to address Northern Interceptor funding
3	9	Lead & Copper Rule	● On Schedule	TBD	2022–ongoing	Annual notices completed; service-line ID pilot underway	Continuing verifications and notifications
4	10	Water Meter Replacement	● On Schedule	\$1,000,000	Jan–Jul 2026	Replacements ongoing	Maintain pace to meet July 1 deadline
5	13	Filter Media Replacement	● On Schedule	~\$700K construction (plus \$245K design)	2025–Spring 2026	Filters 1–3 complete; Filter 4 offline; Filter 5 starts late April/early May	Complete Filter 4/5; evaluate system upgrades
7	15	AIA Grant Project for Water	● On Schedule	\$150K grant (no match)	2023–May 1, 2026	Inventory, modeling and planning	Deliver final reports by 5/1/26.

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Project ID	Page #	Project Name	Status	Budget	Timeline	Key Update	Next Steps
		Infrastructure Assessment				underway toward final reports.	
8	16	AIA Grant Project for Wastewater Infrastructure Assessment	● On Schedule	\$200K grant (no match)	Awarded 2023; Active Work 2024–May 1, 2026	Assessment activities progressing with McGill Associates.	Complete final report by 5/1/26.
9	17	CIP# 101-10 Water Valve Replacement Project at the Water Treatment Plant – Design & Construction	● On Hold	\$155,980.00 for design work.	2024–2026	Design 100% complete; project paused	Move to public bidding in 2026
10	18	CIP# 102-10 Water Quality Improvements	● On Schedule	\$227,340.00.	Fall 2024–mid-2026	Modeling, flushing program development, booster & controls assessments in progress.	Complete deliverables by mid-2026.
11	19	CIP# 101-01 Water Treatment Master Plan: AIA Grant Funded	● On Schedule	\$150K grant + \$30K match	Dec 2025–Jan 2027	Grant acceptance and task order approved; project commenced Dec 2025.	Continue master planning with McGill; deliver by Jan 2027.

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Project Narratives

1) PFAS Mitigation Strategies Program

a) **Background:** PFAS (“forever chemicals”) were detected in SGWASA’s source water. On April 10, 2024, EPA finalized enforceable drinking water standards for six PFAS compounds with MCLs as low as 4 ppt and introduced a Hazard Index for PFAS mixtures. SGWASA is required to complete initial PFAS monitoring by 2027, implement corrective actions by April 2029 if MCLs are exceeded, and provide public notification for violations beginning in 2029.

PFAS Treatment Options & Costs: PFAS removal can be achieved using Granular Activated Carbon (GAC), Reverse Osmosis (RO), or Ion Exchange (IX). Estimated treatment cost is \$2–\$4 per gallon per day of capacity. For SGWASA’s 7.5 MGD water plant, the investment is projected at \$15–\$30 million.

Program History & Grant Efforts:

In March 2026, the North Carolina State Water Infrastructure Authority (SWIA) approved a total of \$10,658,880 in funding for SGWASA’s PFAS drinking water project. This award will consist of a combination of loan and grant programs administered through the NC Department of Environmental Quality’s Division of Water Infrastructure (NCDEQ). The specific breakdown of how much SGWASA will receive from each program has not yet been released.

Funding programs in the total award include:

- **SDWR-L** – State Drinking Water Reserve Loan
- **IIJA DWSRF-EC-C** – Emerging Contaminants funding for construction projects
- **DWSRF** – Drinking Water State Revolving Fund

NCDEQ will issue a Letter of Intent to Fund (LOIF) that will detail the exact loan/grant structure. SGWASA has not received this letter as of 3/26/26.

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b) Summary of PFAS Compliance Action Plan

- **Regulatory Background & Requirements:** EPA finalized enforceable drinking water standards for six PFAS compounds on April 10, 2024. PFAS compounds were detected in SGWASA's source water. SGWASA must implement corrective actions by April 2029.
- **Progress on Pilot Testing:**
 - Phase 1 of the PFAS Pilot Testing Program, funded by a \$500,000 NCDEQ grant was completed in December 2025, with the final report delivered in January 2026.
 - Phase 2, funded by a \$500,000 NCDEQ grant, was awarded in September 2025.
- **Funding Secured to Date:**
 - SGWASA received a \$5 million State Budget Grant, with approximately \$4.925 million available after administrative adjustments.
 - The Board approved a \$3,209,800 engineering design task order with CDM Smith in October 2025, funded from this grant.
- **Overall Status:**
 - Engineering design is underway, and the installation of PFAS treatment systems is scheduled to meet the federal EPA compliance deadline. Future operational costs associated with PFAS treatment will be incorporated into SGWASA's long-range financial planning.

- c) **Status** (In Progress/On Schedule): CDM Smith concluded the PFAS Pilot Testing Program (Phase 1) in December 2025. The final report was delivered in January 2026. The final report is available for viewing at <https://www.sgwasa.org/items/pfas-mitigation>

A second PFAS Pilot Testing Program (Phase 2) was approved and funded by the NCDEQ for \$500,000 in September 2025. Recently, SGWASA staff received final approval from NCDEQ for the scope of work and schedule for this project. As such, at the April 14, 2026 Board of Directors meeting, staff will present the Board members will additional items that need to be reviewed/approved so we can commence testing.

At the October 14, 2025, Board meeting, Board members approved the CDM Smith Scope of Work and associated cost estimate for the project. The approved engineering design budget approved was \$3,209,800. This project is funded by a \$5,000,000 NCDEQ grant. The engineering design work for the PFAS reduction technology is in progress. The design and construction schedule is shown below.

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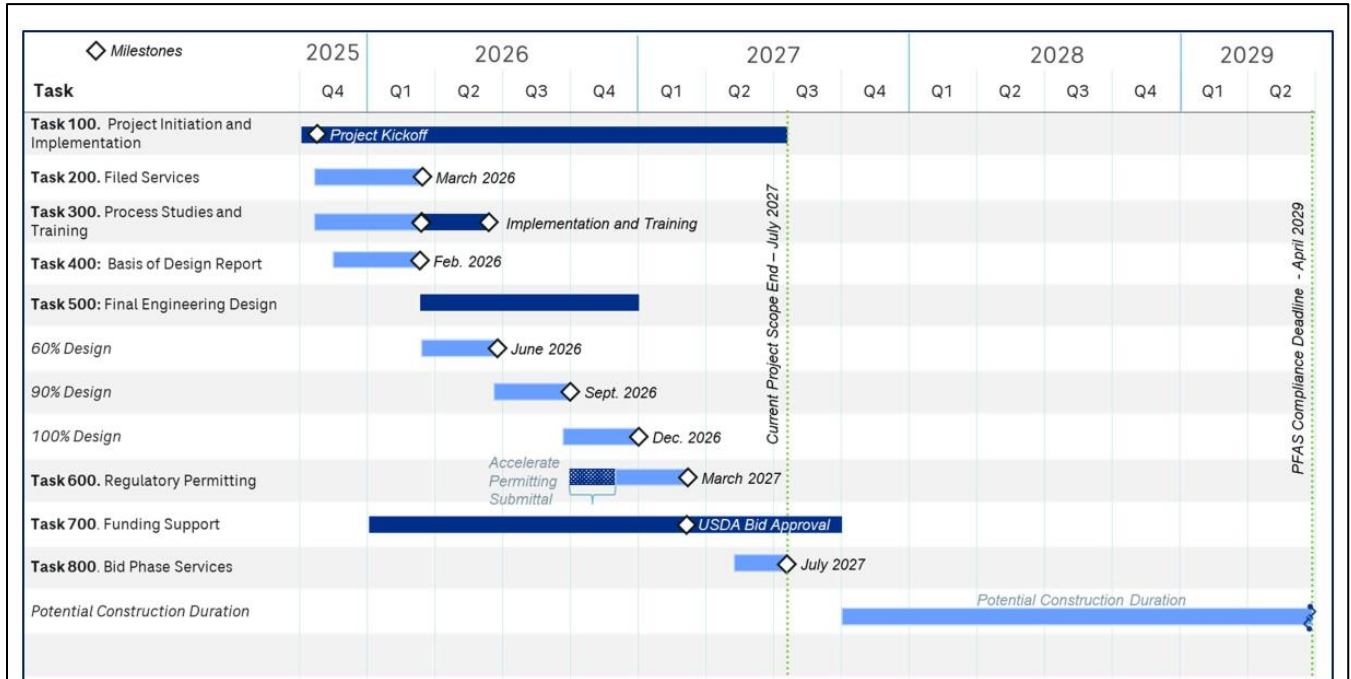


FIGURE 1: PFAS Treatment System Design and Construction Schedule

Note: The schedule was estimated from similar past projects, and ENGINEER does not control permitting or construction timelines.

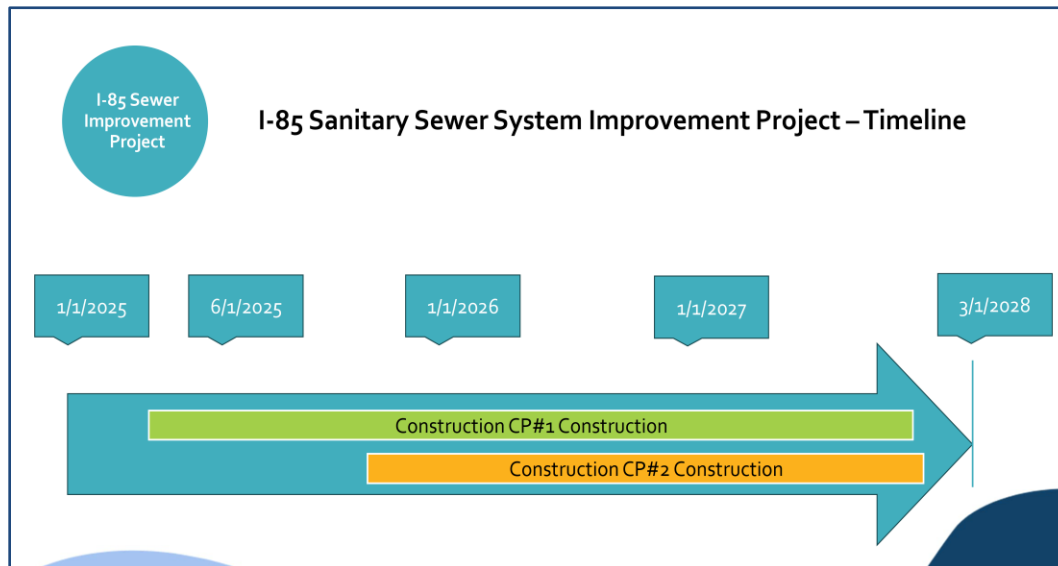
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2) I-85 Sanitary Sewer System Improvement Project

- a) **Background:** SGWASA serves southern Granville County, including Creedmoor, Butner, and Stem. Due to maxed-out wastewater system capacity, a development moratorium was enacted in 2018 for parts of Creedmoor and Butner. From 2019–2025, SGWASA collaborated with partners to design and fund a solution. CDM-Smith completed engineering plans and split the project into two construction packages: CP#1: Bid in July 2024; contract awarded to Haren Construction for \$34.8M in December 2024. CP#2: Bid in May–June 2025. Total estimated project cost: \$75 million.
- b) **CP#1 Status:** (In Progress/On Schedule): CP#1 includes the construction of two new sewer pump stations and the installation of new sewer pipe (gravity and force main). Haren Construction started construction on 4/1/25. Construction is on schedule and on budget.
- c) **CP#2 Status:** (In Progress/On Schedule): A recommendation of contract award to Park Construction for the Southern Interceptor Sewer construction occurred at the October 14, 2025, Board of Directors meeting. The Board of Directors approved a contract with Park Construction NC, Inc., in the not-to exceed amount of \$30,238,282. The project is funded in part by the United States of Agriculture (USDA). Construction for CP#2 started in November. A project timeline is shown below.

Note: Due to the proposed costs and budget constraints associated with the proposed work associated with CP#2, only the construction of the Southern Interceptor Sewer will be completed at this time. On February 27, 2026, The Finance Committee reviewed the \$8M cost for the Northern Interceptor and considered funding recommendations from staff. Further discussion is planned with the SGWASA Board of Directors at an upcoming meeting.

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3) USEPA Lead & Copper Program Update Creates Mandatory Compliance Activities for All Water Service Providers.

a) Background: The U.S. Environmental Protection Agency’s (EPA’s) Lead and Copper Rule Revisions went into effect December 16, 2021. The EPA’s new Lead and Copper Rule better protects children and communities from the risks of lead exposure by better protecting children at schools and childcare facilities, getting the lead out of our nation’s drinking water, and empowering communities through information. Please read more about this program below by clicking on the Fact Sheet.

EPA Lead & Copper Program [Fact Sheet](#)

b) Status (In Progress/On Schedule): Since 2022, SGWASA has been working with Hazen & Sawyer on the management of the program. SGWASA staff is working with a local service provider to set up a pilot program to identify service line materials.

[Click here to take the personal reporting survey.](#)

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The final rule focuses on key areas that will protect our communities



Achieving Lead Pipe Replacement Within 10 years



Locating Legacy Lead Pipes



Improving Tap Sampling



Lowering the Lead Action Level to 10 µg/L



Strengthening Protections to Reduce Exposure



Communicating Transparently and Frequently

For more information, see <https://www.epa.gov/dwreginfo/lead-and-copper-rule>

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4) SGWASA - City of Creedmoor Service Area Water Meter Replacement Program

- a) **Background:** SGWASA operates about 6,600 water meters systemwide, including roughly 2,200 older meters in the Creedmoor service area that are no longer performing optimally. To improve accuracy and modernize the system, SGWASA contracted a specialized firm to replace these aging meters. This work is included in the Capital Improvement Plan (Project ID# 102-05) with a total budget of \$1,000,000.
- b) **Status** (In Progress/On Schedule): The water meter replacement project started in January 2026 and will be completed by July 1, 2026. The water meter replacement project removes and replaces a few hundred water meters per month. For more information on this project, please visit <https://www.sgwasa.org/post/creedmoor-water-meter-replacement-program>



Image: Example of the new water meter that SGWASA will be installing during this project.

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5) Water Treatment Plant Filter Analysis: Filter Media Replacement Needed

a) **Background:** Between May and September 2024, SGWASA encountered water production issues at the water treatment facility related to the water filtering process. The five water filters struggled to maintain their normal production levels, unable to keep up with the heightened demand that resulted from the higher-than-normal temperatures. To investigate the issues with the water filter system, SGWASA contracted Hazen, one of its on-call professional engineering firms, to conduct a detailed examination. Hazen completed their detailed investigation and recommended the following improvements and optimizations for the filter operations at the SGWASA Water Treatment Plant (WTP):

- **Filter media replacement:** The existing filter media is 22 years old, which exceeds the industry standard for media life of 10-15 years and should be replaced immediately.
- **Rehabilitation of SGWASA Filters:** The underdrain nozzles in the filter vessels should be further inspected and any failed or broken nozzles should be replaced.
- **Consider Replacing Backwash Supply Pump:** The existing backwash pump cannot achieve the needed filter media expansion of 30% to provide proper removal of solids
- **Monitor Media Depths.** Plant Operations should plan to monitor media depths annually to track media loss.
- **Source Water Algae Monitoring Program.** Since algae enumerations indicated the presence of known filter clogging species, a routine algal monitoring program beginning in 2025 is recommended.
- **Modify the backwash procedure.** To combat solids retention, it is recommended that the backwash procedure be modified to increase the duration of the high-rate portion of the water backwash.

Based on the recommendations contained in the technical report, SGWASA asked Hazen to develop a scope and fee for the filter media replacement project.

b) **Status** (■ In Progress): The Board awarded the construction contract to State Utility Contractor in August 2025, and materials were ordered immediately. Construction began in November. Filter Basin 1 was taken offline in November and returned to service in late December. Basin 2 went offline in early January, experienced minor delays due to cold weather, and was completed by mid-February. Basin 3 went offline in late February and went back online in March. Filter 4 went offline in March and will be placed back into service in April. Filter 5 will be taken out of service in late April/early May. Overall, the project will be completed in spring 2026.

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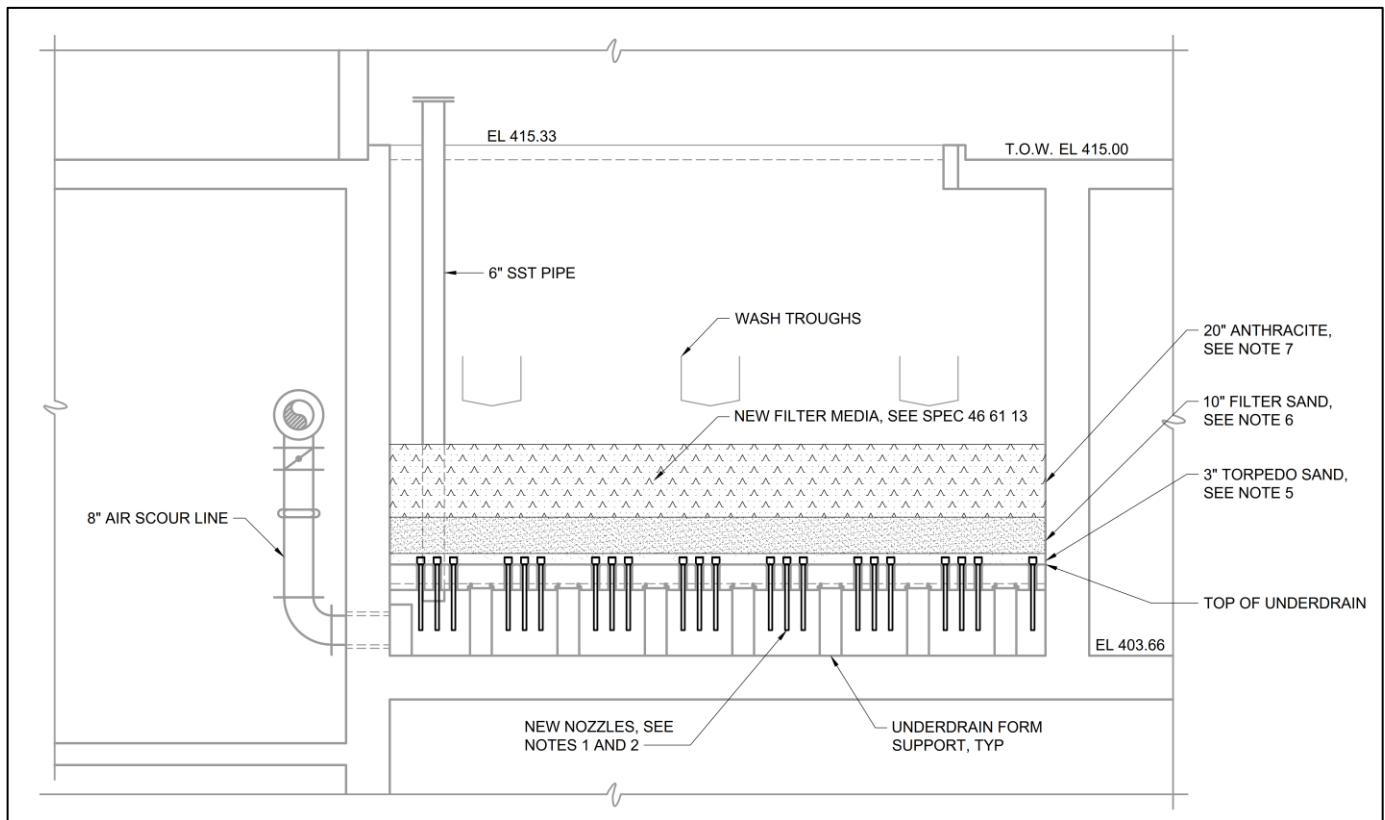


Image: Water Treatment Plant Filter Bed Diagram showing 1 filter bed and the media and nozzles to be replaced.

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6) AIA Grant Project for Water Infrastructure Assessment

- a) Background:** The NCDEQ AIA Grant Program provides up to \$150,000 over three years to help utilities improve system management and asset planning. SGWASA received a \$150,000 AIA grant in 2021 for the Water Distribution System; because it was funded with ARPA dollars, no local match was required. Working with McGill Associates, SGWASA completed the grant application, scope of services, and task order. The project includes system inventory updates, master planning, hydraulic modeling, a water audit, asset management planning, CIP updates, work order system recommendations, and preparation of the final report.
- b) Status** (■ In Progress/On Schedule): This project is being performed by McGill Associates. The project is scheduled for completion by 5/1/26

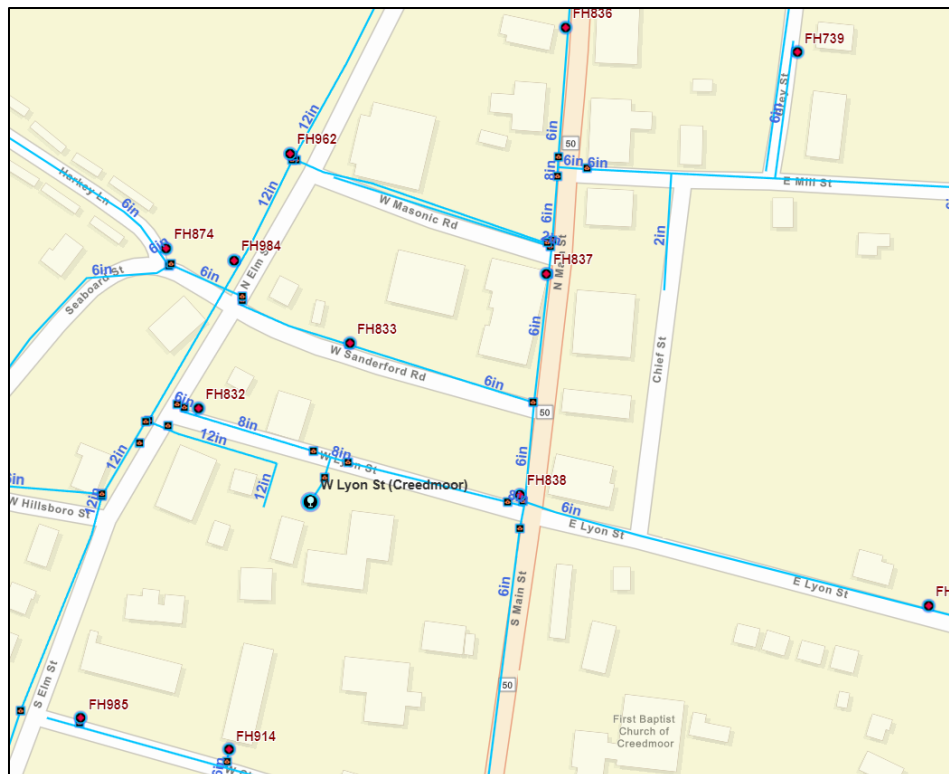


Image: Example of water distribution system network data that is being analyzed as part of the AIA Project.

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7) AIA Grant Project for Wastewater Infrastructure Assessment

- a) **Background:** NCDEQ administers the AIA Grant Program to help water and wastewater utilities improve asset management and long-term financial planning. Eligible activities include asset inventories and condition assessments. SGWASA applied for the program in September 2022 and received a \$200,000 AIA grant in March 2023 for the Wastewater Collection System; because it was funded with state ARPA dollars, no local match was required. SGWASA worked with McGill Associates to prepare the grant application and develop the scope of services submitted to NCDEQ for review.
- b) **Status** (■ In Progress/On Schedule): This project is being performed by McGill Associates. The project is scheduled for completion by 5/1/26.

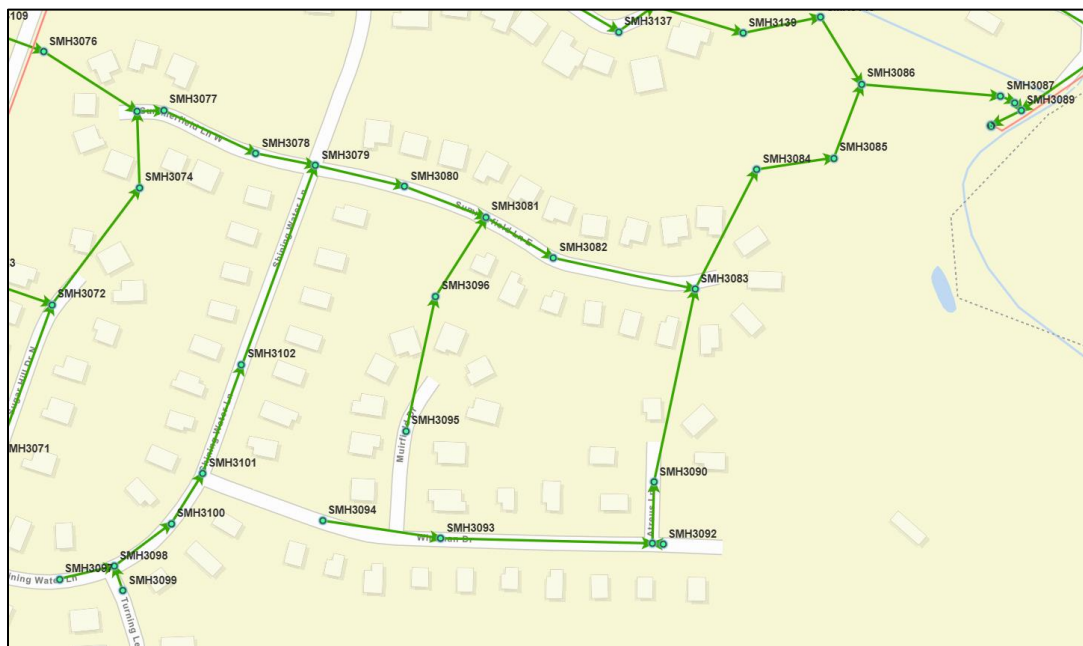


Image: Example of wastewater distribution system network data that is being analyzed as part of the AIA Project.

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8) CIP# 101-10 Water Valve Replacement Project at the Water Treatment Plant – Design & Construction

- a) **Background:** SGWASA has experienced recurring leaks and valve failures along the water main between the clear well and finished pumps, highlighting erosion issues and the need for better bypass options and system redundancy. Hazen and Sawyer is evaluating repair alternatives and preparing final design, permitting, and bid documents. The evaluation and design cost is \$155,980, with construction costs to be finalized once the preferred repair option is selected.
- b) **Status** (On Hold): Hazen & Sawyer’s design work is 100% complete. The probable construction cost is \$710,000, and due to its size, the project will move to public bidding in 2026.



Images: SGWASA Water Treatment Plant – Valve Replacement Project Area.

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9) CIP# 102-10 Water Quality Improvements

- a) Background:** SGWASA has expressed concerns with the following items related to the water distribution network:
- Lack of hydrant flushing program to keep SGWASA initiative-taking in preventing water quality issues.
 - Water quality and chlorine residual issues at booster stations throughout the distribution system.
 - The lack of water tower control within the distribution system.

For this project, Hazen and Sawyer will be conducting a preliminary investigation and will perform the following tasks:

- Data collection and data review.
- Water hydraulic model update and calibration
- Developing hydraulic model simulations of water age in the distribution system.
- Developing a hydrant flushing program.
- Performing assessments of the water booster pump stations.
- Evaluating the water distribution system control network and then developing improvements based on the data.

Project deliverables include:

- Hydrant Flushing Program
- Draft and Final Booster Pump Station Assessment TM
- Draft and Final Distribution System Control Assessment TM
- Updated hydraulic model

The total cost for the project is \$227,340.00.

- b) Status** (In Progress/On Schedule): This project is being performed by Hazen & Sawyer. The project was initiated in the fall of 2024. The goal is to complete this project in 2026.

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10) CIP# 101-01 Water Treatment Master Plan: AIA Grant Funded

a) Background: SGWASA applied for and received a \$150K grant from the NCDEQ for this project. SGWASA is working with McGill Associates on this project. This project is just in its initial stages of working through all the required grant paperwork submittals and authorization. SGWASA will add the required 20% funding match of \$30K for this project.

In summary, the South Granville Water and Sewer Authority (SGWASA) intends to conduct an Asset Inventory and Assessment study of the Authority’s water treatment plant in a project described as the Water Plant Master Plan. This project will build upon previous water system AIA work and will include tasks such as an update of asset inventories, condition assessment of critical assets, and other components of an asset management plan.

b) Status (In Progress): The Board of Directors approved a Resolution of Acceptance of the grant award at their October 14, 2025, Board of Directors meeting. Furthermore, the Board approved the McGill Associates task order for this project at the November 12, 2025, Board meeting. This project commenced in December 2025 and is scheduled for completion by January 2027.



Image: SGWASA Water Treatment Plant

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Board Actions (Past 90 Days)

Board Meeting Month/Year	Topic	Status
January 2026	Fiscal Year 2024-2025 Audit Report - Presentation	Officially received by the Board of Directors.
January 2026	Fiscal Year 2025-2026 Budget Amendment #10	Approved by the Board of Directors.
January 2026	Unidirectional Flushing Pilot Program- Task Order Approval	Approved by the Board of Directors. Purchase Order issued to consultant to prepare project start for spring 2026
February 2026	Annual Meeting – Election of SGWASA Officers	Stem Commissioner McLamb was elected as Board Chair. Creedmoor Commissioner Kicinski was re-elected as Vice-Chair.
February 2026	FY25-26 2nd Quarter Financial Review - Presentation	No Board Action Required.
February 2026	Falls Lake Industrial Park Project Water and Sewer Extensions in Butner, NC	Approved by the Board of Directors.
February 2026	Request to purchase one new generator from Atlantic Power for SGWASA sewer pump station located on School Street in Stem, NC.	The Board pulled the item from the agenda at the request of the Executive Director. The item will be brought back to the Board at a future date.
March 2026	Bio-Solids Management: Award of Contract	Approved by the Board of Directors.
March 2026	Generator Preventative Maintenance – Contract Award	Approved by the Board of Directors.

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Utility Operations Highlights

Water Distribution System Topics

1. None

Wastewater Collection System Topics

- 1) Sanitary Sewer Overflows (SSO's):
 - a) None.
- 2) Other Topics: None

Water Treatment Plant Topics

- 1) None.

Wastewater Treatment Plant Topics

- 1) None.

Utility Customer Service/Administration Topics

- 1) No operating issues.

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Staffing Summary

The FY25-26 Budget authorized 52 full-time employees. The current staffing level is above 93%. The following is a breakdown of the status of several vacancies.

Vacant Positions – Currently Advertising and/or Interviewing

Utility Maintenance Mechanic (1)

Utility Pump Mechanic (1)

Wastewater Treatment Operator (1)

Vacant Positions – Final Candidate Selected/Pending Background Checks

None

Recent New Hires

None

Recent Internal Promotions

None

(End of Report)