



James E. Quarles Water Treatment Plant Chemical Building Replacement Project

PROJECT DESCRIPTION:

The 40-year-old chemical building at the James E. Quarles Water Treatment Plant facility, which has been retrofitted many times, will be replaced with an up-to-date building, designed to increase security, improve safety, enhance functionality, and provide maintenance accessibility.

The project will include a new 29,000-square-foot main chemical building, a new 2,000-square-foot raw water chemical building, and two permanent entry guard houses.

PROJECT SCOPE:

Main Chemical Building

The main chemical building will be an approximately 29,000 square-foot state-of-the-art facility. It will feature an enclosed area for chemical storage tanks, separate enclosed rooms for chemical feed equipment, a covered space for chemical deliveries, a quality control lab, restrooms for staff and delivery drivers. The new building has been thoughtfully designed with a focus on safety, ease of maintenance, and functionality. The facility also includes dedicated space for additional chemical storage and feed equipment, providing flexibility and resilience to accommodate future treatment plant capacity expansions or changes in regulatory requirements.

Raw Water Chemical Building

The new 2,000-square-foot raw water chemical building will introduce a new treatment process to the James E. Quarles Treatment Plant. This new process allows operations staff to adjust the water's alkalinity to improve the facility's finished water quality.

Entrance Guard Houses

Two new permanent guard houses will be installed at the facility's main entrances, enhancing site security and strengthening protection for this critical public water infrastructure facility.



Main Chemical Building Rendering

TENTATIVE CONSTRUCTION SCHEDULE:

Construction Begins: January 2025

Main Chemical Building constructed:
January 2025 through April 2027

Raw Water Chemical Building:
January 2025 through February 2027

Entrance Improvements:
August 2026 through October 2027

Demolition of Existing Chemical Building:
April 2027 through December 2027

Construction Complete: January 2028

BENEFITS TO THE COMMUNITY

- Improved reliability, water quality, and safety.

For more information, please contact:

Cobb County-Marietta Water Authority

Phone: 770-514-5300

Web: www.ccmwa.org/contact-us

Please note that Cobb County-Marietta Water Authority (CCMWA) is a separate entity from Cobb County Water System. CCMWA is a regional water wholesaler and does not sell water to residential customers.