

# Rocky Creek & Taylors Pump Stations Chemical Feed Systems

Renewable Water Resources (ReWa), Greenville County, SC

## Project Overview

The Rocky Creek & Taylors Pump Stations Chemical Feed Systems project was initiated in response to odor and corrosion concerns in downstream conveyance units due to hydrogen sulfide formation.



## Project Description

This project involved installation of a new 6650-gallon HDPE bulk tank, chemical feed pump, mixer, control, and appurtenances at each of the two pump stations. These systems allowed introduction of magnesium hydroxide solution into the sewer system just ahead of the station wet well to inhibit formation of hydrogen sulfide.

## Rogers & Callcott Services and Results

**System Design** – Rogers & Callcott surveyed the sites and worked with ReWa and equipment vendors to identify and size the needed system components. The design was complicated by the need to build on the small existing pump station sites while maintaining full operation. Rogers & Callcott designed the facilities using AutoCAD software.

**Contract Services** – Rogers & Callcott assisted ReWa with generating Bid and Contract Documents, responded to bidder questions, reviewed bids, and assisted with award.

**Construction Services** – Rogers & Callcott performed limited construction observation and provided review of invoices and Record Drawings.

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**Cost:** \$716,694