

**Texas Department of Agriculture
Wastewater Treatment Plant Improvements
Improvements
City of Roxton, Texas
Project ID: 7214389**



The City of Roxton's wastewater treatment plant consists of a master lift station, extended aeration racetrack, single center-feed clarifier, chlorine contact tank and sand drying beds. The plant was experiencing permit excursions for TSS and other parameters and a Texas Commission on Environmental Quality enforcement action was imminent.

Funds for correction of this problem were limited. Application to the Texas Department of Agriculture for grant assistance was successful, but the maximum available was not sufficient to replace the plant or to enlarge the clarifier.

With limited funding it was decided to address the problem by improving operational efficiency. The master lift station was replaced with a triplex pump arrangement to allow smoothing of influent peaks; the sludge beds were covered to enhance drying time and turnover; return sludge pumping was modified; and a continuous MLSS monitor was installed in the racetrack to monitor the need to waste sludge.

Services provided by Hayter Engineering are listed at right.

This project was completed in 2016.

CLIENT

City of Roxton

CONTACT

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CONSTRUCTION COST

\$167,380.00

SERVICES PROVIDED

Financial Application
Environmental Assessment
Design Plans & Specifications
Construction Bid & Award
Construction Review
Master Lift Station O & M Manual
Record Drawings
Warranty Review