

Case Study

Full-Water-Cycle Solution in Harris County, Texas



SEVEN SEAS WATER GROUP

Water-as-a-Service®



Project Details

Location: Harris County, Texas

Customer: Developer for Municipal Utility District

Technology: Activated sludge

Capacity:

Groundwater supply: 1.4 MGD

Wastewater treatment: 150,000 GPD

Market: Municipal

Overview

Harris County, the most populous county in Texas, has been growing at more than double the national average since 1990. By 2040, 6.3 million residents are expected to call it home. Unfortunately, explosive development has raised costs and increased regulation.

Challenges Faced

A developer working on a project in a Harris County Municipal Utility District was facing the prospect of having to abandon a development due to the prohibitively high cost of providing water and wastewater infrastructure for the project.

Flexible Solutions

The client found that leasing plants from Seven Seas Water Group would allow the project to move forward by enabling it to fully finance the costs of both a wastewater treatment plant and a water treatment plant for the development.

The greenfield project is part of Seven Seas Water Group's continually-expanding list of turnkey design-build water and wastewater treatment plant solutions offered.

The solutions for the project included:

- A water supply facility that can withdraw groundwater at a minimum rate of 1,000 GPM and that complies with the current design criteria of the Texas Commission on Environmental Quality.
- A wastewater treatment plant that treats 150,000 GPD average daily flow of domestic wastewater.

Water Handled by Water Professionals

Seven Seas' decentralized water and wastewater treatment solutions have an outstanding reputation for world-class equipment and thoughtful, durable construction. The company is continuing its tradition of excellence and our team is ready to bring lease-plant offerings and superior builds to communities across the United States.

In addition, Seven Seas has an array of financing models available, including the BOO and BOOT structures in its Water-as-a-Service® offering.