

Plant for Tertiary Treatment

Complete WesTech and WWETCO Partnership



CASE STUDY

Franklin, GA – Tertiary Filter

0.75 MGD Peak Flow Treatment System

Operation Since September 2010

A new wastewater treatment plant with an average daily flow (ADF) of 0.25 MGD was constructed in 2010 for the Heard County Water Authority to replace its existing plant.

In order for this facility to meet the county's growing needs, the new facility had to meet several criteria:

- Deliver high-quality effluent.
- Be simple to operate and maintain.
- Be as energy efficient as possible.



FlexFilter™ Compressible Media Filter

The new facility consists of headworks, STM biological treatment, clarifiers, the WWETCO FlexFilter™, UV disinfection and post aeration. The WWETCO FlexFilter™ was selected based upon a competitive bid against a disc filter option.

The WWETCO FlexFilter™ from WesTech provides an efficient new solution for tertiary treatment. It uses a synthetic compressible media to capture solids in a high rate filtration process.

The FlexFilter™ is a simple gravity system with a robust design requiring no moving parts. Its combination of tapered media compression, porosity gradient within the media bed and a low flow backwash system make the WWETCO FlexFilter™ one of the most versatile and efficient filters on the market.

The facility has had no issues and consistently meets its NPDES permit requirements. Jimmy Knight, Director of the Heard County Water Authority has stated, "the filter is simple, effective, and requires minimal maintenance." Reported efficiency is 98 percent.

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