

Plant for Tertiary and Storm Water Overflow Complete WesTech and WWETCO Partnership



Franklin, GA – Tertiary Filter 0.95 MGD 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.



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 the competitive bidding 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. The director has stated, "the filter is simple, effective, and requires minimal maintenance." Reported efficiency is 98 percent.

Direct filtration of CSO flows resulted in removals in the 80 to 90 percent level. Filtration of settled CSO resulted in 40 to 60 percent TSS removals.



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