

CITY OF DOTHAN
LITTLE CHOCTAWHATCHEE WWTP EXP
DOTHAN, ALABAMA



Project Description

The project consisted of expanding the capacity of the existing Little Choctawhatchee WWTP from five to twelve million gallons per day (MGD). To accomplish this the expansion included using the oxidation ditch activated sludge process with new preliminary screening, grit removal, influent pumping, clarification, chemical addition, effluent filtration, rotary drum sludge thickening, ultraviolet disinfection and post-aeration along with an electrical building and various appurtenances. Construction of the plant expansion was broken down into two phases; new construction and renovation to the existing process. The first phase of construction included constructing of new aeration basins, three 130' diameter clarifiers, a new headworks, a new influent pumping station, two new anaerobic tanks, an additional cascade outfall structure, and a temporary chlorine and dechlorination process. The second phase of construction included renovation to the existing chlorine contact chamber and construction of a new ultraviolet disinfection facility, renovation to the existing sludge handling facility, and demolition and removal of existing plant equipment and structures.

At a Glance

Contract Amount:
\$26.8 M

Notice to Proceed:
September 1, 2009

Completion Date:
October 1, 2012

MGD:
From 5 to 12

Owner:
City of Dothan

Engineer:
Polyengineering, Inc.