

Jackson County Water and Sewerage Authority Middle Oconee Wastewater Treatment Facility Enhancements Jackson County, Georgia

Services Provided:

Preliminary Planning
Funding Procurement
ARC Grant
Design and Permitting
Program Management
Construction Observation

Project Data:

0.30 MGD Treatment
Capacity Expanded to 0.50
MGD
New 55' diameter Clarifier
Scum Pump Station
Chemical Building
Screw Press and
Dewatering Building

Total Project Cost:
Contract 1: \$1.3 Million
Contract 2: \$685,000

Date of Completion:
Contract 1: June 2014
Contract 2: December
2015

Contact:

JCWSA
Mr. Eric Klerk
Manager
P. O. Box 869
Jefferson, GA 30549
(706) 367-1741



The Jackson County Water and Sewerage Authority operates the Middle Oconee Wastewater Treatment Facility. This facility is approximately 40 years old and was originally an extended aeration and activated sludge treatment facility for a local textile mill. The facility services over 600 wastewater customers in the unincorporated areas of Jackson County. Jackson County's population leaped by 45% over the last decade and it is one of the fastest growing counties in the U.S.

The Middle Oconee WWTF needed to expand from its current capacity of 0.30 MGD to 0.50 MGD. The project was designed and will be bid in two contracts with the addition of a new clarifier and chemical building as Contract 1, and the addition of a solids dewatering facility as Contract 2.

Contract No. 1 consisted of a new 55' diameter center feed clarifier, flow splitter boxes, scum pumping station and a new disinfection chemical building. EMI helped the Authority to obtain a \$300,000 Appalachian Regional Commission grant which was based off of the tremendous job creation that has occurred in Jackson County. The remaining funds were provided by Jackson County SPLOST funds. The construction cost for the project was \$1,065,000.

Contract No. 2 is currently in the design phase with completion scheduled for May 2014. This phase will consist of the installation of a sludge dewatering screw press that will be installed in a new 1,500 SF building. The proposed screw press will take the place of the dilapidated sludge drying beds currently being used.

The result of the project will increase capacity of the wastewater treatment facility and thereby provide Jackson County with the ability to accommodate future residential, industrial and commercial growth.