



## CASE STUDY

### PROJECT NAME

Twin Oaks Mobile Home Community

### DESIGN FLOW

20,000 Gallons per Day

### PROCESS USED

ECOPOD Fixed Film Media

### DEGREE OF TREATMENT

Treatment

Dosing

Spray System Disposal

### WASTE TYPE

Domestic

### LOCATION

McComb, Mississippi

## ECOPOD System to Treat Mobile Park with over 35 Homes

### SUMMARY

This system was designed to treat the domestic waste generated by 35 + mobile homes on an approximate 16 acre lot in the small rural community of McComb, Mississippi. Design flow was set at 20,000 GPD at an average strength of 300 mg/L of both BOD and TSS. The system can handle the average daily flow's fluctuation over a range of 50% to 100% of the design flow. ECOPOD media was contained within customized stainless steel reactor boxes, and the kits were installed in pre-constructed concrete tanks. ECOPODs were shipped directly to the site complete and ready for installation, consisting of component equipment required for efficient and proper system operation. A total of (5) 5,000 reactor tanks were installed, each housing an E400 unit capable of treating 4,000 GPD to an effluent level below 20 mg/L each BOD and TSS. The reactor tanks were preceded by a series of (2) 5,000 gallon primary tanks. A spray disposal system was also supplied by Delta Environmental, complete with effluent pumps, spray heads, tubing, controls and all necessary valves and fittings. Concrete tanks supplied by others.



9125 Comar Drive, Walker, LA 70785  
(800) 219-9183 • [info@deltatreatment.com](mailto:info@deltatreatment.com)