

CASE STUDY

ECOPOD Used in System for 35-Home Mobile Home Park

McComb, MS

SYSTEM SPECIFICATIONS

20,000 GPD Wastewater Treatment System

INSTALLATION DATE

2015

PRODUCTS

ECOPOD® Advanced Wastewater Treatment System

DESCRIPTION

This system was designed to treat the domestic waste generated by over 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 five (5) 5,000-gallon reactor tanks were installed, each housing an ECOPOD 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 two (2) 5,000 gallon primary tanks. A spray disposal system was also supplied by Infiltrator, complete with effluent pumps, spray heads, tubing, controls, and all necessary valves and fittings. Concrete tanks supplied by a local precaster.



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