



## CASE STUDY

### PROJECT NAME

Clara High School

### DESIGN FLOW

6,000 Gallons Per Day

### PROCESS USED

ECOPOD Fixed Film Media

### DEGREE OF TREATMENT

Flow Equalization

Treatment

Drip Disposal

### WASTE TYPE

Domestic

### LOCATION

Waynesboro, Mississippi

## ECOPOD and Drip Disposal System to Treat School with Varied Daily Flow Rates

### SUMMARY

The treatment system at this site consisted of (2) E300 ECOPOD units installed in poured in place concrete tanks. It is designed for a flow rate of 6,000 GPD of 300 mg/L BOD and 300 mg/L TSS domestic waste, treating down to 30/30 mg/L. The facility is a rural high school in the southeast portion of Mississippi, with a population of 500 students. Because schools provide certain hours of peak flows and other hours of little to no flow, a flow equalization tank was installed before the treatment reactor tanks at a volume of 3,000 gallons, to ensure the peaks will not reduce the efficiency of the treatment system. The purpose of the flow equalization system is to store wastewater during peak hours and process it to the ECOPOD treatment system throughout a 24 hr period, given the biology is most efficient when being “fed” consistently throughout the day. The flow equalization tank was preceded by an 11,000 gallon primary tank. A drip disposal system was also supplied by Delta Environmental, complete with effluent pump chamber, headworks, 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)