

OAI's Wastewater Treatment Services

OAI* has completed the siting and permitting of 31 commercial and domestic de-centralized wastewater treatment facilities across southwest Alabama. These effective and efficient "package" wastewater treatment plants provide leading edge solutions when compared to costly centralized wastewater treatment systems especially in rural areas.

De-centralized wastewater treatment systems, specifically designed to meet existing needs and/or pre-planned for future growth demands, provide a solution to the developer and gives a sense of comfort to the homeowner or business. In addition, it provides a new revenue stream for the area utility. Everyone wins including the environment.

Each system includes a "home based" settling unit, a collection network which moves the "gray water" from the home to a modular wastewater treatment plant.

The wastewater treatment plant, Figure 1, consists of pods that accept the effluent from the collection network. This low maintenance plant operates with a simple control panel outfitted with a telemetry system for remote monitoring and control. The treatment plants range from as little as 5,000 gpd to as much as 360,000 gpd for a "regional" system. With a modular design, these systems can be built for a single business, a subdivision or serve in a regional capacity for multiple subdivisions.

Once treated, the effluent flows from the treatment plant and is discharged to groundwater by means of an underground dripfield, Figure 2.

* OAI and our engineering partner



Figure 1 A 30,000 gpd WWTTP (6 of 9 pods visible); control panel in background



Figure 2 Treated effluent dripfield

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