

CASE STUDY

ATL Solves Space Challenges in System for Alabama Nature Center

Estill Fork, AL

SYSTEM SPECIFICATIONS

Two 600 GPD Wastewater Treatment Systems

OWNER

Alabama Cooperative Extension System

INSTALLATION DATE

Spring 2017

PRODUCTS

Advanced Treatment Leachfield (ATL) combined treatment and dispersal system

DESCRIPTION

Graham Farm and Nature Center is a working educational farm in Jackson County, Alabama, that was donated to Auburn University and is operated by the Alabama Cooperative Extension System. The farm is in a valley between the mountains of northeast Alabama.

To operate the farm as an educational center for children, a pavilion housing shower and kitchen facilities was needed. Due to the limited area available where vehicle traffic would not compromise drainfield function, a conventional dispersal field was not an option. System designers looked to alternative solutions.



Two separate systems, one for the showers and the other for the kitchen, were designed to handle 600 gpd each. In each system, wastewater travels to two 1,000-gallon septic tanks followed by an 880-square foot Advanced Treatment Leachfield (ATL) by Infiltrator sand bed dispersal field. Using ATL reduced the system footprint allowing the project to move forward.

Installation went very smoothly and fit the site limitations exactly as designed. The Alabama Onsite Wastewater Association, the Jackson County Health Department, and Infiltrator Water Technologies participated in coordinating the project as a CEU credit demonstration for over 30 contractors, design engineers, and Alabama Department of Public Health staff.

