

# Problem Septic System Rejuvenated with the Aquaworx Remediator™



Georgia homeowners needed a non-invasive solution to repair their malfunctioning septic system.

## Project

Renovation of a residential wastewater treatment system using the Aquaworx Remediator.

## Installation Date

June 2007

## Owner

Mel & Sara Folk  
Greensboro, GA

## System Specifications

1000 gallon concrete septic tank  
200-foot gravel drainfield  
25 years old

The Folk family had a problem. Sewage was beginning to surface from their 25 year old gravel drainfield and odors were emanating from their septic tank. Not only was it unpleasant, but it was creating a potential health hazard as well. They needed to act soon, but a huge concern was the impact any new system installation could have on their newly installed sod and irrigation system, and on the age-old trees that dotted the yard. The Folks needed a solution that was compatible with their surroundings and budget.

The couple had a full soil inspection performed prior to moving forward. It was determined that a conventional drainfield was not an option due to shallow rock in the area. Jim Free and Matt Vinson from Infiltrator Systems Inc., were called in to reassess the problem. Since the surfacing sewage was due to excessive biomat formation in the old gravel drainfield finding an acceptable solution that would not harm the landscape was the challenge.

“We considered repairing the existing system however, this would have involved digging up the concrete driveway to install a pump system,” said Matt Vinson. “Also complicating this option was the fact that the wastewater would have to be pumped to a very shallow placement drainfield at the top of the property or an alternative system would have to be installed. This was not an efficient way to provide the best possible treatment.”

The homeowners ultimately decided to renovate their existing tank and system by installing an Aquaworx Remediator Unit to the tank. The Aquaworx Remediator is an aerobic bacteria generator. The Unit works by introducing oxygen and bacteria which work together to reverse the clogging process. The active culture of these bacteria thrive and grow within the Unit resulting in predictable drainfield remediation. The bacteria mixed with oxygen rich environment works to consume the waste materials suspended in the tank and then moves out to the drainfield where it continues to consume wastes there. This eliminates the need for a complete drainfield replacement and strengthens the natural process of wastewater treatment and groundwater recharge.

This low cost, permanent septic solution was installed easily with minimal landscape disruption and was the ideal choice for the Folk’s situation. The Aquaworx Remediator was inserted into the existing single-compartment 1000 gallon concrete septic tank. The existing drainfield, which includes 200 linear feet of gravel trenches, was renovated and operating properly within two weeks of installation.

“We are extremely pleased with the choice made to install the Remediator,” commented homeowner Sara Folk. “Our surface sewage, backup and odor issues have been eliminated and this was achieved without disrupting our landscaping and irrigation system.”

Infiltrator Systems Inc. will monitor and maintain the Remediator system at the Folk’s home to ensure long-term operation goals are met. Aquaworx™ by Infiltrator recommends that the Aquaworx Remediator be serviced by an Aquaworx certified installer, Aquaworx maintenance provider, or the homeowner.



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