



Septic Drainfield Backup Successfully Remediated using the Aquaworx Remediator™

Florida family finds cost-effective, low impact solution for septic system repair

Project

Renovations of a residential wastewater treatment system using the Aquaworx Remediator

Installation Date

October, 2007

Owner

Harold Soloman
Fort Myers, Florida

Contractor/Installer:

James Jackson
Clean Earth Environmental, LLC
Fort Myers, Florida

System Specifications

900 gallon concrete septic tank
380 square foot rock and pipe
absorption bed

When slow drainage progressed to a backed up septic field, Harold Soloman of Fort Myers, Florida knew action needed to be taken. He started his search for a solution using the internet where he came across Clean Earth Environmental, LLC, a company specializing in drainfield rejuvenation. Soloman contacted James Jackson, President of Clean Earth Environmental and agreed for Jackson to complete a site evaluation of the 20 year old system, including checking for plumbing leaks, water table depth, soil conditions and hydraulic overload.

When Jackson, an Infiltrator/Aquaworx certified Remediator installer, discovered that the system was actually backing up all the way into the house he presented the homeowner with two options to solve the problem. The first and most costly was to replace the drainfield, which could take up to two days and create considerable site disruption to their well maintained yard. The second was to install the Remediator in the septic tank, a process taking only two to three hours and with little site disturbance. After consulting with James and completing further research via Aquaworx website, Soloman decided to opt for the Remediator.

“I figured if I could restore it, why rip up the yard?” commented Soloman. “In addition, the cost and time frame for completion were significantly less than a full drainfield replacement.”

The Aquaworx Remediator is an aerobic bacteria generator. Its airlift column has cusped plastic wrapped around the bottom outside of the Unit and within the Unit to provide substantial surface area for the colonization of introduced bacteria. The Unit introduces oxygen and bacteria which team together to reverse the clogging process. The active culture of these bacteria creates an environment within the Unit that results in predictable drainfield remediation. The bacteria within the oxygen rich wastewater consume some of the waste materials in the tank, and also are carried out to the drainfield within the effluent where they continue to consume wastes there. This eliminates the need for a complete drainfield replacement.

Jackson adds, “We agreed with Mr. Soloman not to pursue a replacement drainfield due to the adverse economics and site disruption. With the overall ease of installation of the Aquaworx Remediator and the excellent field support provided by Infiltrator/Aquaworx team, it was definitely the best choice to solve this septic challenge.”

The Unit was inserted into the existing 900 gallon concrete septic tank. Installation of this low cost, permanent solution took only a few hours. The existing drainfield, which consists of a 380 square foot aggregate bed, was rejuvenated to optimum performance in less than one week and the drainage from the Soloman home is now flowing normally.



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