



From the Earth...for the Earth®



- University Tested
- Tested in accordance to US EPA Standards
- Increases Microbial Populations & Activity
- Improves Septic Tank Settling
- Reduces Sludge Build Up
- Maximizes Drain Field Performance



Improving the Performance and Sustainability of Residential & Commercial Septic Systems with



Introduction

EcoHancer is an organic liquid formula made from naturally occurring peat, and when tested at several of the country's leading universities, demonstrates that EcoHancer accelerates both growth and activity of microorganisms, reduces

sludge build up, improves settling, and reduces suspended solids in the effluent of wastewater systems. EcoHancer was tested to US EPA standards for solid waste at the New Jersey Institute of Technology. Results indicate that EcoHancer will not cause any biological degradation and is environmentally safe for all wastewater applications.



Abstract

A study conducted by South Jersey Engineers of Voorhees, New Jersey was designed to test EcoHancer in residential and commercial septic systems.

Should EcoHancer meet or surpass the challenges of this study, it would positively impact operational efficiency and performance, extend the life of the system, minimize the risk of ground water contamination, and promote sustainability.

Site Selection

Three sites were selected: a residential home with a family of six, a church with a nursery school of 100 children, and an over age 50 retirement community.

Site Issues

The residential home had no issues and was ready for pumping after three years. The church's primary tank was overloaded, the secondary tank was beginning to overload and the drain field was failing. The retirement

community had solids loading issues and failing drain fields.

Results

Issues with each site were eliminated and the drain fields that were failing were restored or visibly improved during the test period.

Conclusion

Results support all scientific testing and real world applications proving, that EcoHancer establishes a larger, stronger, healthier, and more active population of microorganisms.

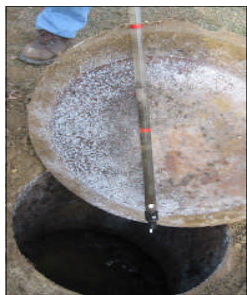


Beginning

Residential system, with a family of six, consisting of a 1,000 gallon tank with a 650 square foot drain field. Prior to the start of the test the tank had not been pumped for 3-years, a 4" layer of sludge was present on the bottom of the tank and a 1" layer of grease was present on the top.



42-Days Later



January



May

Church with 100 children Nursery school. Pictured at left is the primary tank at the start and completion. Pictured at right is the secondary tank at the start and completion.



January



May



September



December

A 128 single family retirement community with individual septic systems. Most homes experienced solids loading issues and some experienced drain field problems. Pumping in some cases was done in less than 3 years



September



December

"Our work on this program at all three of these locations clearly illustrates the ability of EcoHancer to improve the biological process and system performance in all phases of the septic system."

South Jersey Engineers
Sandford Mersky, P.E., President
Vinny Gioffre, NJDEP Licensed
Wastewater Operator