

Current Test Center Efforts

- Research and Development
- ETV Nitrogen Testing
- Phosphorus Removal Technologies
- Virus Research
- Standard Treatment Testing
- Seasonal –Intermittent Use Research

The opinions expressed herein are not necessarily those of the Massachusetts Department of Environmental Protection, the United States Environmental Protection Agency or the Barnstable County Department of Health and the Environment, neither does the mention of any product or procedure constitute an endorsement of such by those agencies.



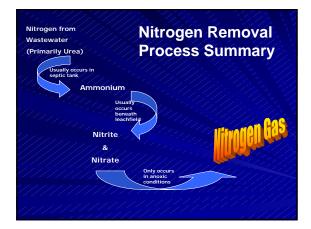


Why Would Anyone Use Alternative Septic Systems?

- To allow a smaller leachfield or reduced distance to groundwater in repair situations (DEP Remedial Approval).
- To achieve reductions in certain contaminants using systems with some track record (DEP Provisional or General Use Approval)
- To try to remove selected contaminants using more experimental technologies (DEP Piloting Approval)



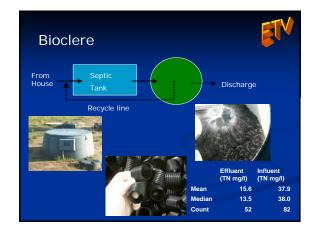


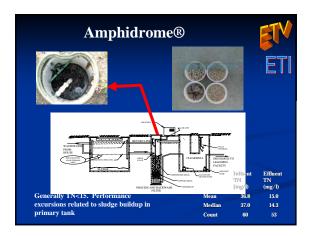




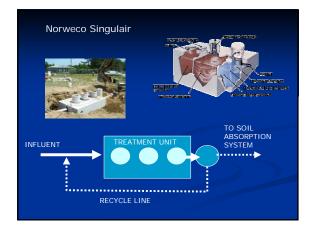




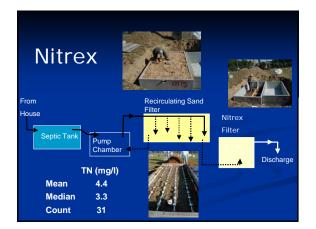


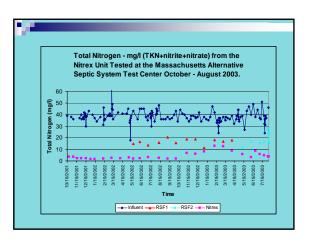








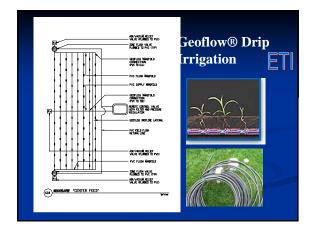


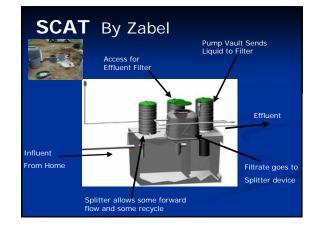


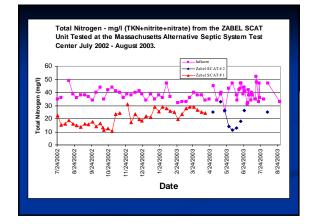
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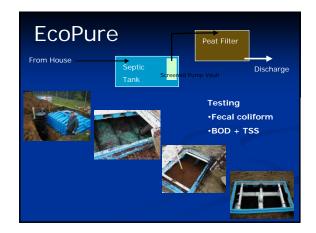












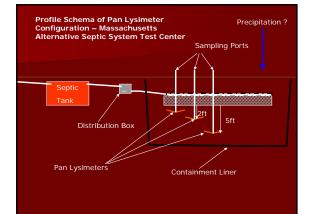


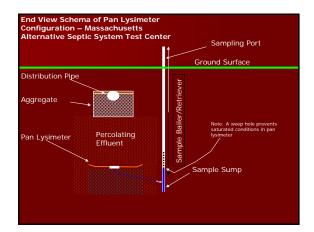


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Microbiological Enhancement of the Treatment Process





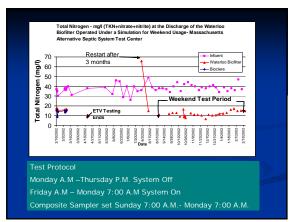


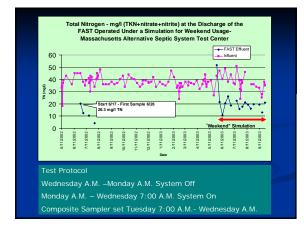




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What about Seasonal applications ?









Enhancing Bacterial Removal From Treated Effluent from a Waterloo Biofilter Using Soil

Discharge Pipe
6" AGGREGATE
10" of Sandy Loam
Perc Rate est. 8 min/in

Bacterial indicators nearly completely removed. 2-log removal of viruses.