

HONEYBROOK TOWNSHIP ON-LOT SEWAGE MANAGEMENT AND EDUCATION PROGRAM

December 12th, 2013

6:30 pm

Honey Brook Township Municipal
Building – Suplee Road

Introduction and Overview of Presentation

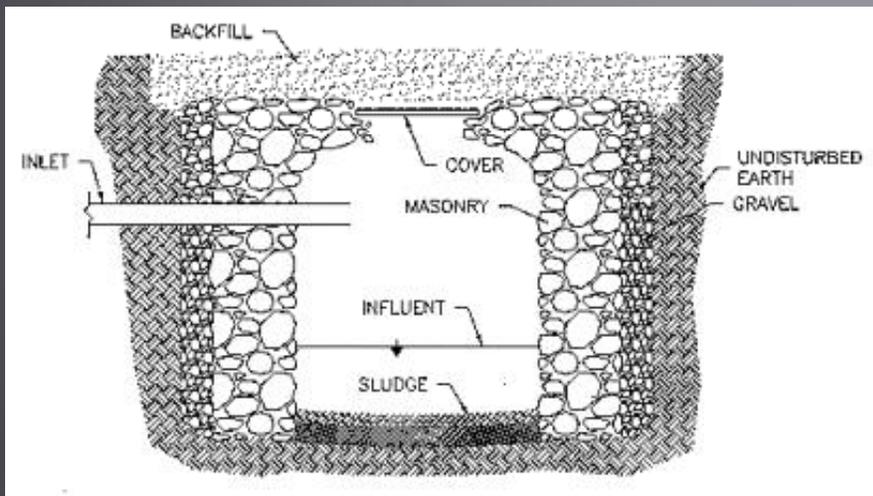
- ▣ Purpose of Public Education Meeting
- ▣ Benefits of regular on-lot maintenance
- ▣ Introduction of Panelists

Description and Explanation of Common On-lot Systems

- ▣ Panelist:
- ▣ Seth Bacon of Soil & Wetland Consulting
 - sethcbacon@aol.com

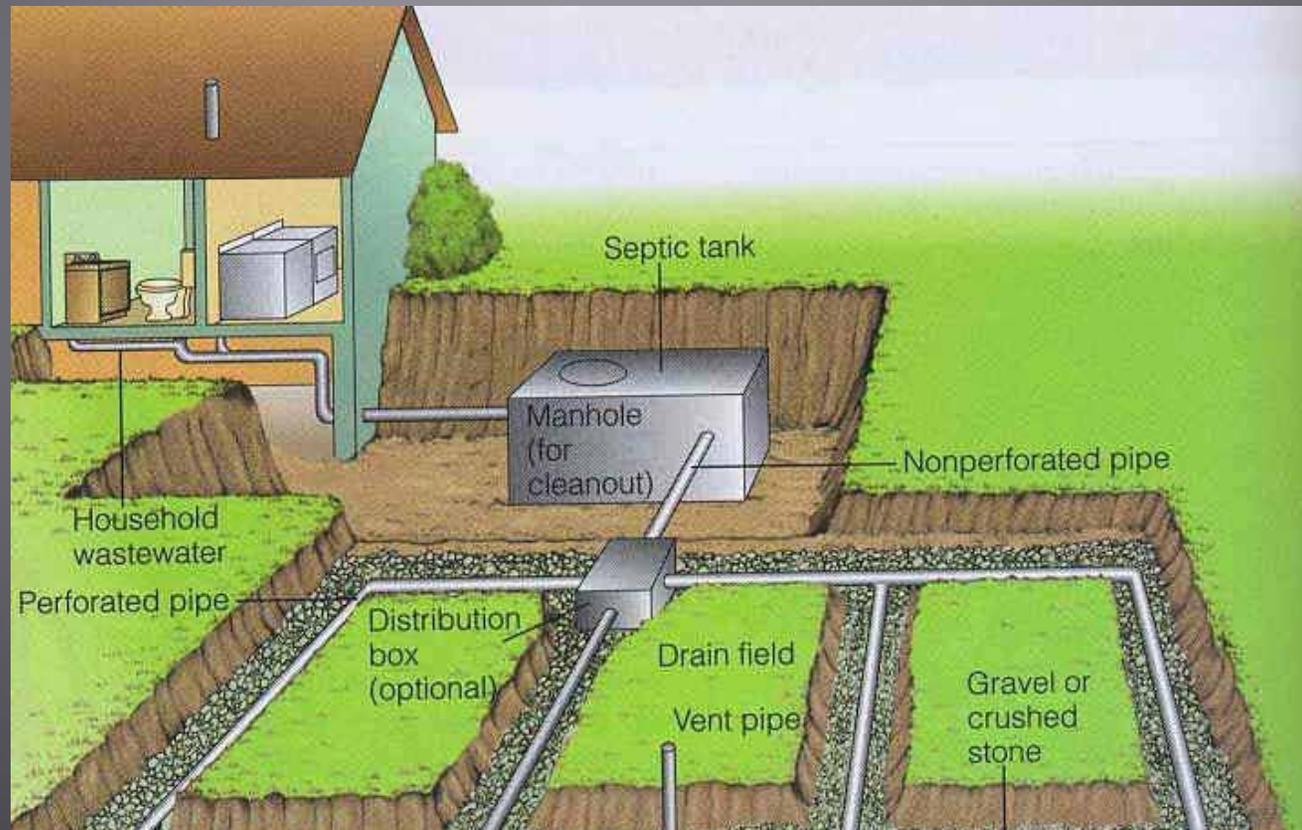
Description and Explanation of Common On-lot Disposal Systems

▣ Cesspools



Description and Explanation of Common On-lot Disposal Systems

- ▣ Conventional Systems (septic tank / distribution box / drainfield)



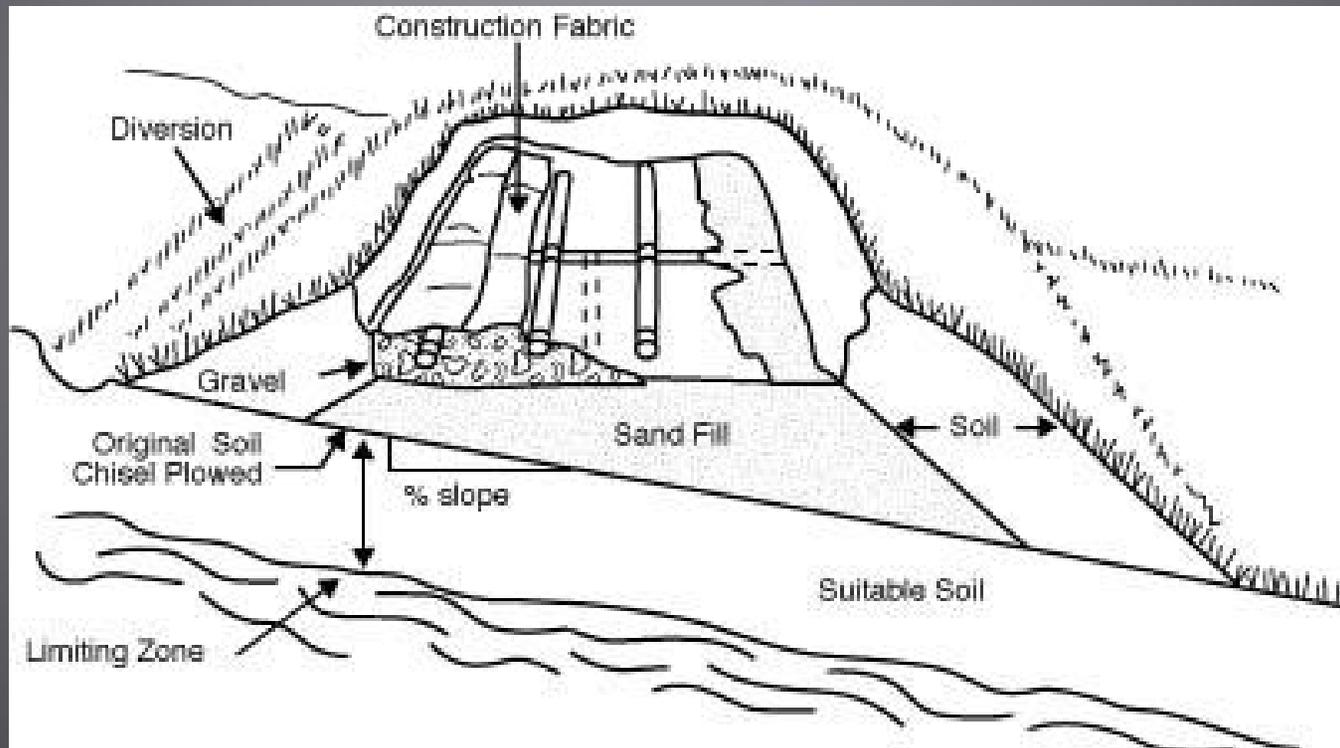
Description and Explanation of Common On-lot Disposal Systems

- ▣ Elevated Sand Mounds



Description and Explanation of Common On-lot Disposal Systems

▣ Elevated Sand Mounds



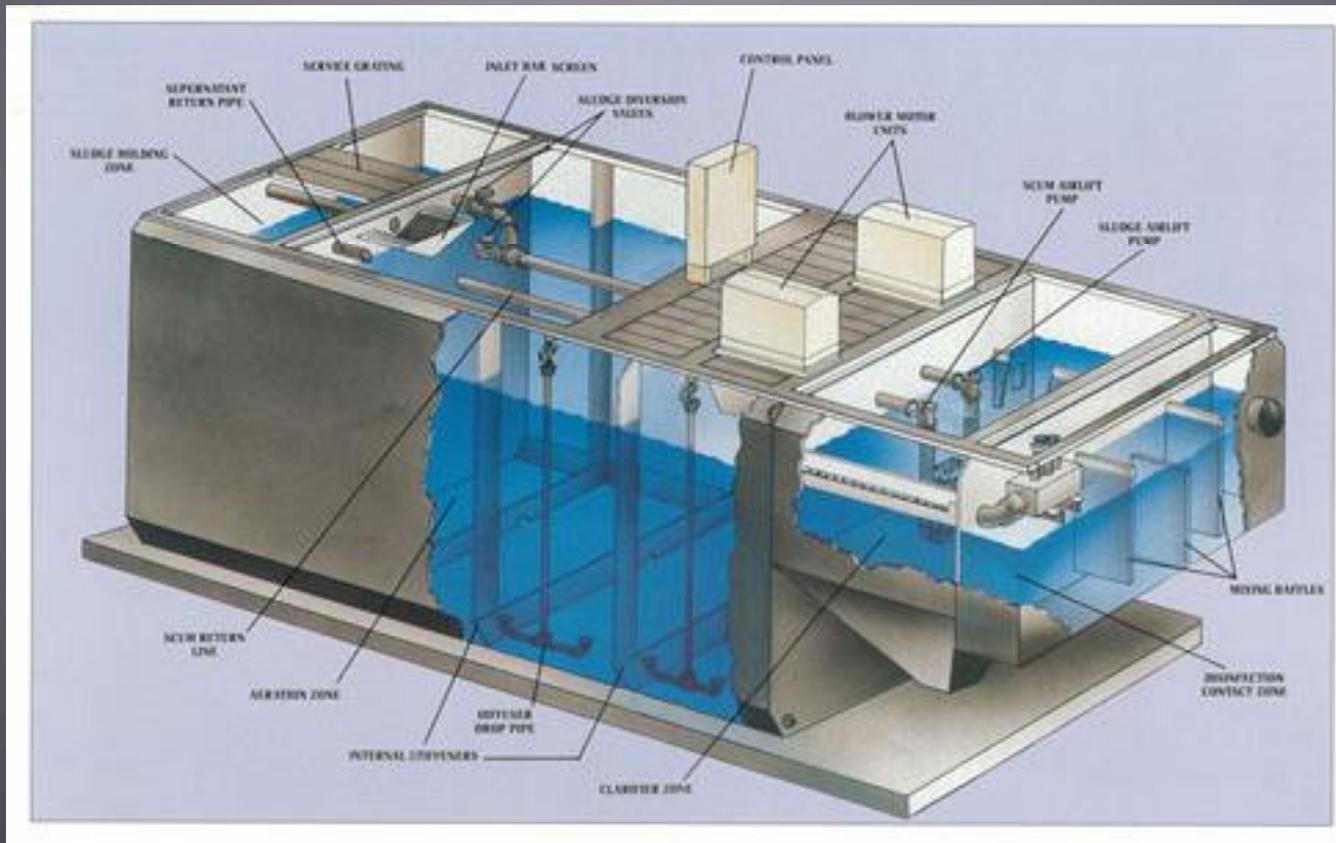
Description and Explanation of Common On-lot Disposal Systems

- ▣ Spray Irrigation



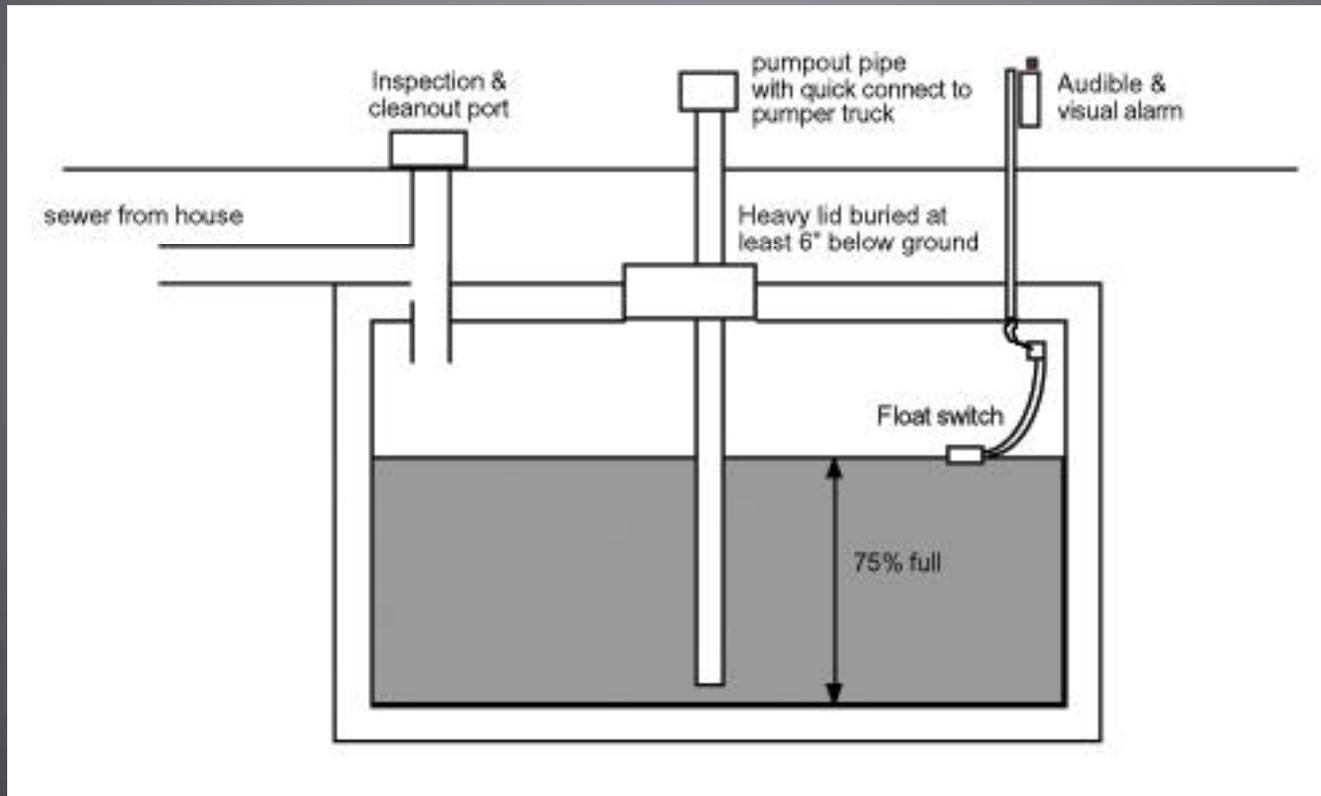
Description and Explanation of Common On-lot Disposal Systems

▣ Stream Discharge



Description and Explanation of Common On-lot Disposal Systems

- ▣ Holding tank



Basic Preventative Maintenance

- ▣ Panelist:
- ▣ Tom Ferrero of FRANCO Environmental
 - ▣ ferrero3@francenviro.com

Basic Preventative Maintenance

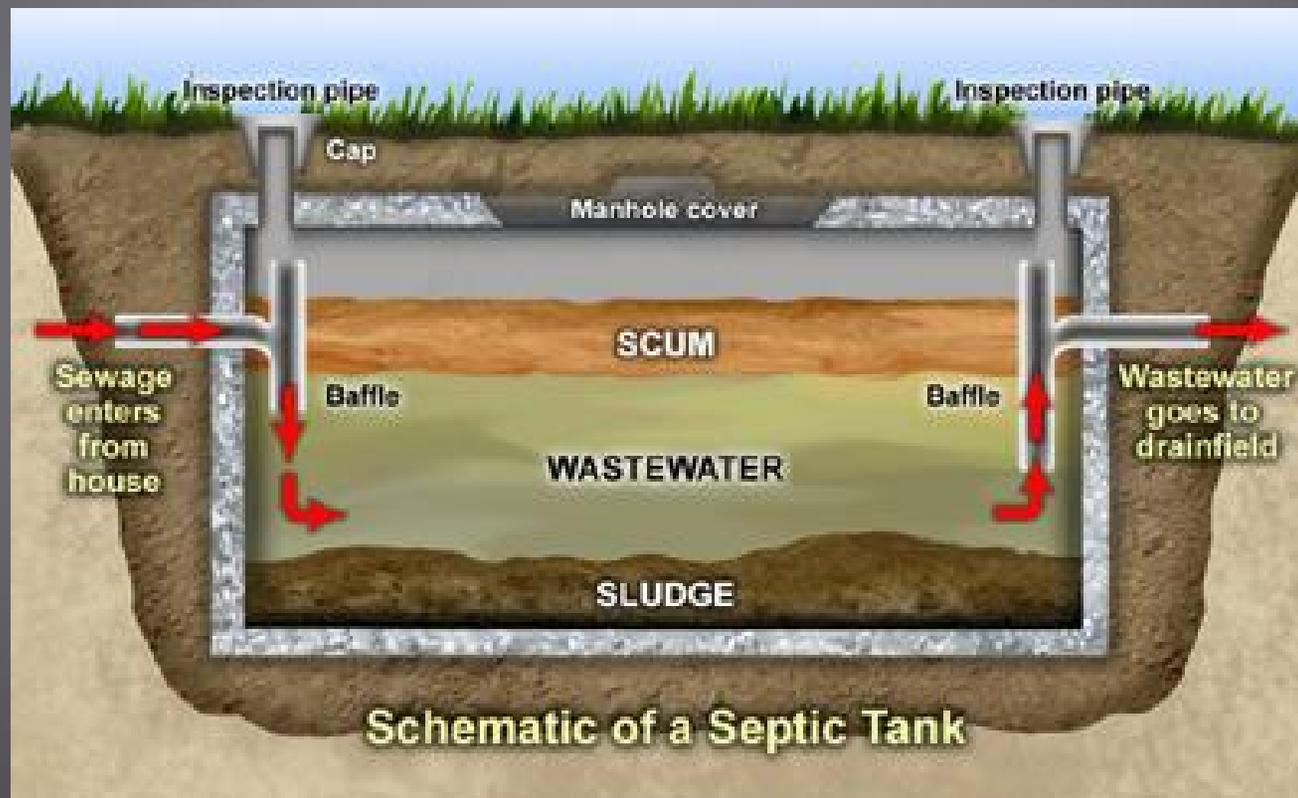
- ▣ Routine Septic Tank Pumping



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Basic Preventative Maintenance

- ▣ Inlet and outlet baffles



Basic Preventative Maintenance

- ▣ Identification of Leaks



Basic Preventative Maintenance

▣ Identification of Leaks



Basic Preventative Maintenance

▣ Distribution Box



Basic Preventative Maintenance

▣ Piping



Basic Preventative Maintenance

- ▣ Drainfield compaction



Basic Preventative Maintenance

- ▣ Water Conservation
- ▣ Eliminating Leaks and Broken Vents, etc.
- ▣ Diverting Surface Water
- ▣ Avoiding harsh cleaners and chemicals
- ▣ Avoid disposing of solid waste and grease
- ▣ Avoid compaction
- ▣ Avoid placement of sheds, swing sets, etc. over the drainfield

Identification of Future Problems

- ▣ Panelist:
- ▣ Meghan Andress of PreDOC
 - meghan@predoc.com

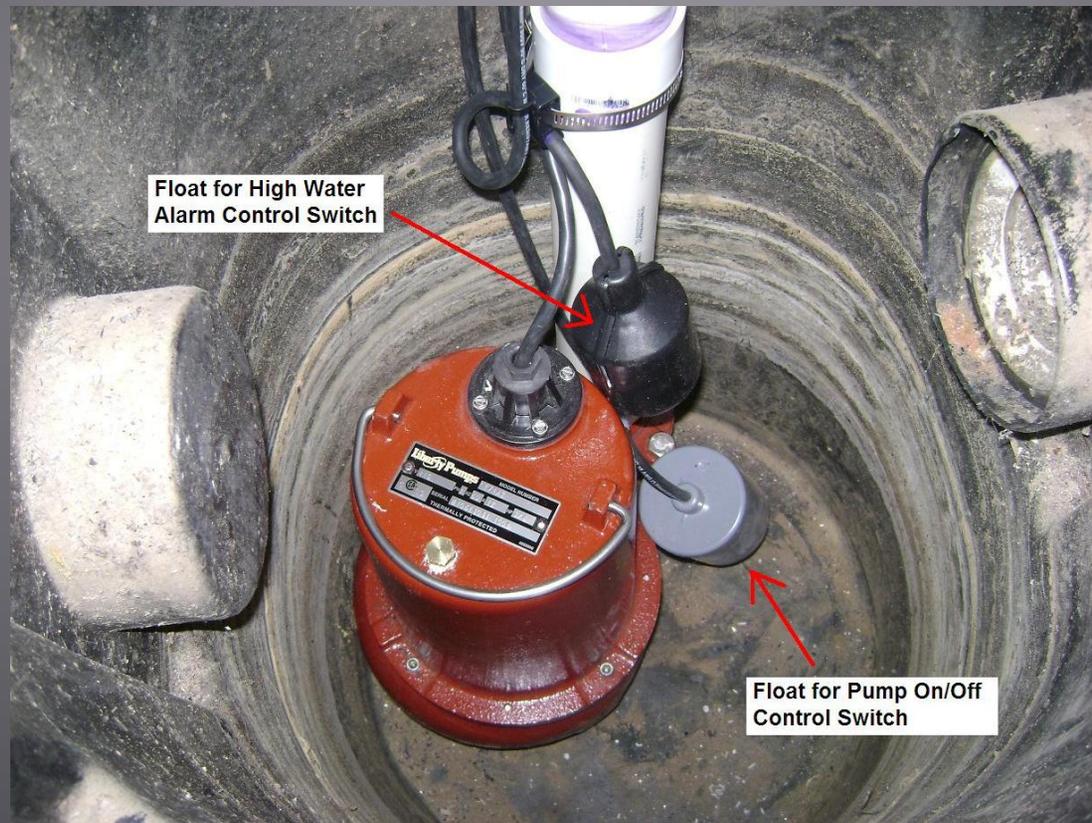
Identification of Future Problems

- ▣ Stormwater Runoff/ gutters/ sump pumps



Identification of Future Problems

Know what 'normal' looks like
(effluent pump and floats)



Identification of Future Problems

This is not normal!



Identification of Future Problems

Dye tests



Identification of Future Problems

The subtle and not so subtle clues:

- ▣ Odors
- ▣ Sluggish Drains/ gurgling fixtures
- ▣ Wet Areas in Yard / Lush Green Grass
- ▣ Pumps running constantly/ burning out/ electric use increasing/ alarms
- ▣ Wastewater backup into home / residence
- ▣ Backflow during tank pumping
- ▣ Inspection ports/ levels are too high

Identification of Future Problems

Prevent this



Options to Reduce or Eliminate Malfunctions

- ▣ Panelist:
- ▣ Joe Valentine of Quality Septic Inspections, LLC
 - valsoils@verizon.net

Options to Reduce or Eliminate Malfunctions – Minor Corrections

- ▣ Water Conservation
- ▣ Detecting and eliminating leaky fixtures and toilets (food dye method)
- ▣ Pumping the septic tank to rest the field
- ▣ Adjusting d-box to ensure level distribution
- ▣ Diverting Surface Water away from system components

Options to Reduce or Eliminate Malfunctions – Major Corrections

- ▣ Testing and Design for:
 - Standard in-ground system
 - Elevated Sand Mound
 - Spray Irrigation
 - Drip Irrigation
 - Stream Discharge

Options to Reduce or Eliminate Malfunctions – Major Corrections

- ▣ Alternative Systems
 - Soil Air
 - Reduction of drainfield size (peat filters, Orenco unit, sand filters, etc.)
 - Drip distribution micro-mound
 - Steep slope sand mounds
 - A/B soil system

Questions?