



Developing Best Management Practices for Onsite/Decentralized Wastewater in the New Jersey Pinelands Area

Technical Advisory Committee Meetings


2007 June 6, 7 & 19

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Acknowledgements


- Ed Wengrowski & Linda DiCicco
- New Jersey Pinelands Commission
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<http://www.state.nj.us/pinelands>






Meeting Agenda

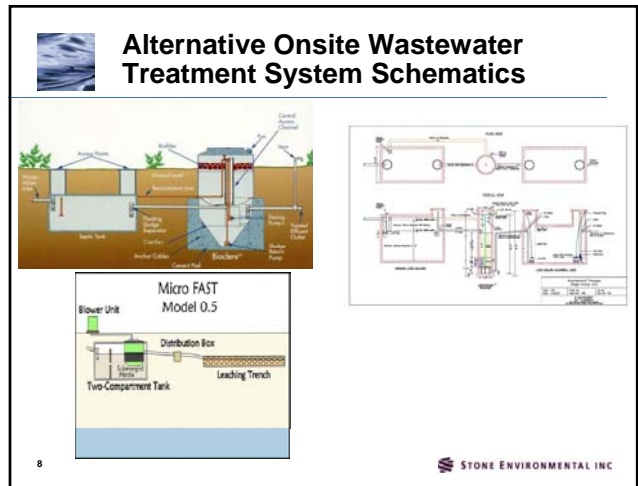
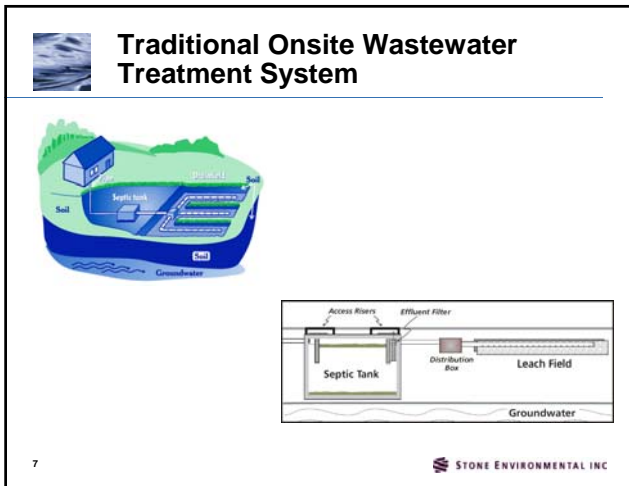
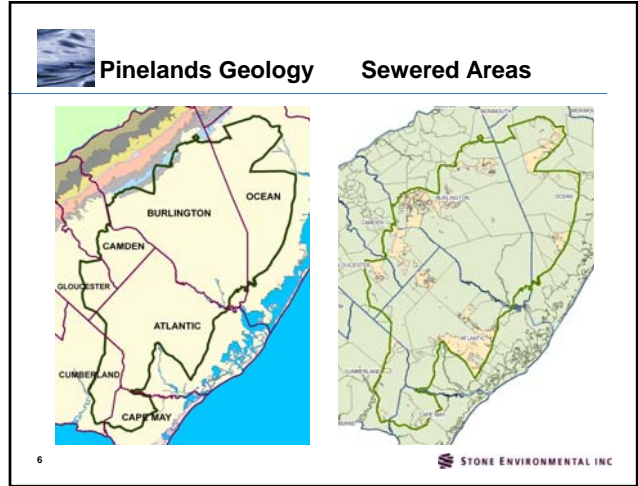
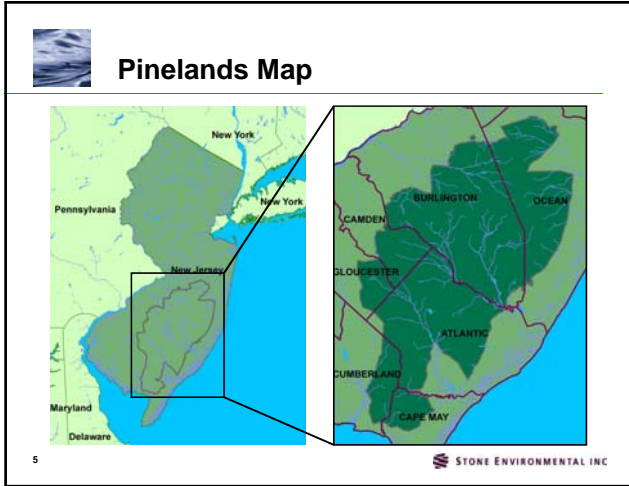
- Welcome & Introductions (10 min)
- Onsite/Decentralized Wastewater Treatment (5 min)
- Onsite/Decentralized Wastewater Management (5 min)
- Brief Overview of Onsite/Decentralized Wastewater Management Project (5 min)
- Roundtable Discussion (120 min)
- Next Steps (5 min)

Welcome & Introductions

- Name
- Title
- Affiliation
- One example of how you are involved on onsite/decentralized wastewater management
- What you want to get out of this meeting





Who is Managing Onsite/Decentralized Systems in the Pinelands Now?

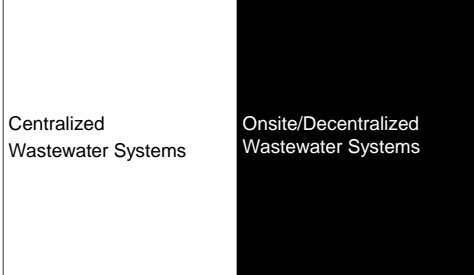


- State of New Jersey
 - Department of Health
 - Pinelands Commission
 - Department of Environmental Protection
- Counties (7)
- Local Townships and Boroughs (53)

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Wastewater Management – Historical Approach



Centralized Wastewater Systems


Onsite/Decentralized Wastewater Systems

Source: Hoover, 1998

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Wastewater Management – Risk-based Management Approach



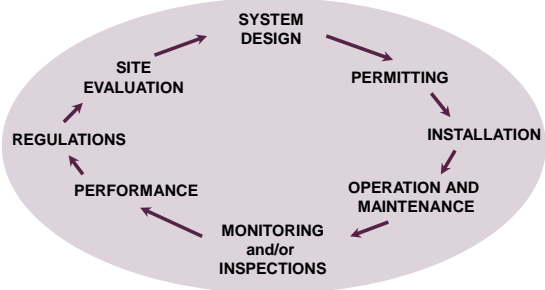
Centralized Wastewater Systems

Onsite/Decentralized Wastewater Systems

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Onsite/Decentralized Management – Sustainable Approach



SITE EVALUATION

SYSTEM DESIGN

PERMITTING

INSTALLATION

OPERATION AND MAINTENANCE

MONITORING and/or INSPECTIONS

PERFORMANCE


REGULATIONS

Source: Hoover, 1998

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EPA Management Models—One Way to Evaluate Options




Voluntary National Guidelines for Management of Onsite and Clustered (Decentralized) Wastewater Treatment Systems

- Homeowner Awareness
- Maintenance Contracts
- Operating Permits
- Responsible Management Entity (RME) Operation & Maintenance
- RME Ownership

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EPA Management Program Elements




Administration	Installation	Operation and Compliance
1. Public education	6. Site Evaluation	9. Operation and maintenance
2. Planning	7. System design	10. Residuals management
3. Performance requirements	8. Construction and installation	11. Training and certification/licensing
4. Recordkeeping and reporting		12. Inspections and monitoring
5. Financial assistance		13. Corrective actions and enforcement

Develop or enhance decentralized wastewater treatment management program

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EPA Management Guidelines

Program Elements	Model Programs
<ul style="list-style-type: none"> Public Education Planning Funding Site Evaluation System Design Performance Requirements Construction and Installation Operation and Maintenance 	<ul style="list-style-type: none"> Homeowner Awareness Maintenance Contract Operating Permit RME Operation and Maintenance RME Ownership

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Timeline of Onsite/Decentralized Wastewater Management Project

- Research the Legal Basis and Regulatory Framework (March – June 2006)
- Technical Advisory Meetings (June 2006)
- Public Outreach and Education Programs (June 2006 – December 2006)
- Identify Options Available to Local Entities to Manage Onsite Wastewater Management Systems (July 2006 – December 2006)
- Deliver Formal Presentations to the Pinelands Policy and Implementation Committee and the Pinelands Commission (January 2007 – March 2007)

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Onsite/Decentralized Management



Photo credit: Mike Baker

- Bruce's Working Definition:
Comprehensive program to enable sustainable long-term use of onsite/decentralized wastewater infrastructure that is appropriate for local conditions

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Local Views Matter



- OWTS Industry
 - Designers
 - Manufacturers
 - Distributors
 - Installers
- Land Development/Use
 - Property Owners
 - Developers
 - Property Management Companies
 - Real Estate Agents

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Local Outreach and Education



- Website
- Public Presentations
- Train-the-Trainer Strategy

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Evaluate Administrative and Financial Options for Implementing BMPs



- Municipal/County Inter-local Agreements
- Public/Private Utility Authorities
- Private Consultant/Municipal Engineer Contracts
- Cooperative/Non-profit Organization Agreements

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Feedback on Best Management Practice Options



- Modular Document
- Multiple Drafts
- Specific Management Program Components, such as:
 - Legal Documents
 - Program Cost Ranges
 - Asset Management Information

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Final BMP Manual



Photo credit: Pinelands Preservation Alliance

- Decision Making Tool
- Reference Document
- Resource for All Levels of Jurisdiction in Pinelands

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Roundtable Discussion Guidelines



Photo credit: Mike Baker

- Limit of 10 minutes per item
- Please state your name at the beginning of each comment
- Limit of ~1 minute per comment
- Please try to be concise
- No put downs
- Do not be offended if I need to cut you off
- We can come back to items as time allows at the end

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Developing Onsite/Decentralized Wastewater Management Programs for the New Jersey Pinelands Area

ROUNDTABLE DISCUSSION TOPIC:

1. What are general perceptions about living with either traditional or advanced treatment wastewater systems?

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Wastewater Management Programs
for the New Jersey Pinelands Area

ROUNDTABLE DISCUSSION TOPIC:

**2. What is the current onsite/
decentralized management situation in
the Pinelands?**

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ROUNDTABLE DISCUSSION TOPIC:

**3. What is the need for improving
onsite/ decentralized management in
the Pinelands?**

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ROUNDTABLE DISCUSSION TOPIC:

**4. What is the appropriate level of
government involvement in onsite/
decentralized wastewater
management?**

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ROUNDTABLE DISCUSSION TOPIC:

**5. What are apparent public
concerns regarding
onsite/decentralized wastewater
management?**

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ROUNDTABLE DISCUSSION TOPIC:

6. Is there a perceived value to onsite/decentralized wastewater management?

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ROUNDTABLE DISCUSSION TOPIC:

7. What would be necessary to create public support for the implementation of onsite/decentralized system management programs?

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ROUNDTABLE DISCUSSION TOPIC:

8. What strategies exist that will confirm that the operation and maintenance are occurring?

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ROUNDTABLE DISCUSSION TOPIC:

9. What are onsite/decentralized wastewater management success stories?


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ROUNDTABLE DISCUSSION TOPIC:

10. What are the questions that need to be answered when a municipality considers onsite/decentralized wastewater management options?


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ROUNDTABLE DISCUSSION TOPIC:


11. How can we finance onsite/decentralized wastewater management programs?


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ROUNDTABLE DISCUSSION TOPIC:

12. What information or support would be most helpful to municipalities and owners of traditional or alternative systems as they consider management options?

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 **Next Steps**




Photo credit: Mike Baker

- Outreach
 - Website
 - NEHA presentation
- Complete draft of legal basis and regulatory framework document
- Begin first draft of BMP manual

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Thank You!



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