

RUTGERS

New Jersey Agricultural
Experiment Station



Onsite Wastewater Disposal Systems

Environmental Protection Beyond the Standards

June 2 & 9, 2017

Bordentown, NJ

New

Introduction to Septic Systems

June 14, 2017

New Brunswick, NJ

Septic System Inspections in New Jersey

June 21 & 28, 2017

New Brunswick, NJ

Office of Continuing Professional Education

NJAES Office of Continuing Professional Education Rutgers, The State University of New Jersey 102 Ryders Lane New Brunswick, NJ 08901-8519 Ph: 848.932.9271 Fax: 732.932.8726 Email: ocpe@njaes.rutgers.edu Web: www.cpe.rutgers.edu		Please register me for the following:	
Name _____ Job Title _____ Employer _____ Mailing Address _____ City _____ State _____ Zip _____ Work# _____ Home# _____ Fax# _____ Cell# _____ Email _____		Course Code _____ Name _____ Date _____ Fee _____	Nonprofit Organization US Postage PAID New Brunswick, NJ Permit No. 153
Payment arrangements must be made prior to being admitted to the class. <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Authorized Purchase Order # _____ Proof of payment MUST be presented with this form to process your registration, payable to: Rutgers, The State University of New Jersey		By Mail: Registration Desk, NJAES Office of Continuing Professional Education, Rutgers University, 102 Ryders Lane, New Brunswick, NJ 08901-8519. By Fax: 732-932-8726. Please include copy of payment; original payment must be mailed.	
<input type="checkbox"/> Credit Card - Visa, Mastercard, AMEX and Discover accepted. To pay by credit card, please visit our website - http://www.cpe.rutgers.edu/ch Find your course and click the "REGISTER ONLINE" button.		FOR ASSISTANCE WITH YOUR REGISTRATION, PLEASE CALL 848-932-9271, option 2.	
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Onsite Wastewater Disposal Systems

June 2 & 9, 2017

Fee: \$355

Multi Fee: \$325

Course code: EW0202CA17

The onsite treatment and disposal of wastewater (commonly referred to as "onsite" or "septic" systems) can be a difficult and complicated matter. Advances in onsite technology have made the issues surrounding the design, construction, and management of onsite systems more complex, but can also provide appropriate and beneficial alternatives to traditional designs.

The Rutgers NJAES Office of Continuing Professional Education has worked closely with the New Jersey Department of Environmental Protection (NJDEP) to gather speakers and topics that will address the design, installation, and maintenance of onsite systems. As part of the program, engineers, designers, and installation personnel will present case studies of things that worked and maybe a few that didn't. Come and learn from their experiences! Specific topics will include:

- Applicable regulations and construction standards
- Onsite system design – learn how systems are designed from an engineering point of view and what to look for during plan reviews
- Management issues – maintenance and inspection standards to ensure onsite systems function properly
- Challenging environmental or economic situations - learn how alternative technologies can enhance system performance and how they have been used to successfully overcome problems.

NJDEP personnel will be onsite during both days of the program for questions and discussions.

NOTE: This class will be held at the Rutgers EcoComplex in Bordentown, NJ

Introduction to Septic Systems

June 14, 2017

Fee: \$215

Multi Fee: \$195

Course code: EW0207CA17

This new one-day course has been developed to present an introductory overview of the working of septic systems for those not directly involved in the installation or pumping industries. The course will begin with a discussion of the history and development of such systems and move into presentations on:

- The types of septic systems: what conditions make each appropriate
- Individual components and their relative importance
- The role soils play in septic system function and failure
- What is a system malfunction and how is it determined to be happening?
- What steps do a declaration of a total system failure require you to take?
- Cesspools - why they are no longer allowed and
- Old ideas vs. more modern thinking regarding wastewater treatment.

Speakers will review the research that led to changes in thinking regarding onsite wastewater treatment, the development of alternative technologies, and the subsequent updates of NJ's regulations regarding such systems. A summary of the NJDEP Septic System Inspection Protocols and a presentation on the steps required to complete its reporting and fulfill local health department regulations will be included on the agenda.

Join course coordinator Tom Cahill (REHS) and other knowledgeable/experienced wastewater professionals, and state/ local regulators for this introduction and discussion of the topic. If you need a good, basic understanding of septic systems - as a real estate professional, homeowner or property inspector - this is the course for you!

Contact Information - Program Coordinator: Carol Broccoli - 848-932-7207; **Administrative Assistant:** Claudine Oleskin - 848-932-7204

Payment Policy - All students must have prearranged for payment to be admitted to the class.

Cancellation & Substitution Policy - Registrants may withdraw **in writing** from a class up to (3) three full working days before a course begins and receive a full refund, less any materials fee or as otherwise noted on the course webpage. If the Office of Continuing Professional Education is not notified in writing at least three working days prior to the start of class, registrants may be responsible for the full fee. Substitutions are permitted.

Accommodations for Individuals with Disabilities - If you require special assistance, please notify our office when you register or no less than one week before the course starts. Every effort will be made to accommodate reasonable requests.

Septic System Inspections in New Jersey

June 21 & 28, 2017

Fee: \$385

Multi Fee: \$355

Course code: EW0204CA17

For many homeowners, septic systems are out-of-sight and out-of-mind, but YOU as a professional must convey to them how critical these systems are to their health and safety. In this two-day course, you will learn the steps and procedures to properly inspect and report on septic systems in New Jersey. The course has been designed to identify the steps of the inspection sequence, as well to provide information on related science and research and the function of individual system components.

Developed using NJDEP's protocol for system inspections, specific topics will include:

- The pros/cons and applicability of various test methods
- Classroom and field demonstrations of tools and equipment and visit to a working system
- Alternative technology systems
- Report writing essentials and tips.

Join course coordinator Tom Cahill (REHS) and other knowledgeable/experienced professionals from the onsite wastewater industry for this in-depth introduction to the subject. The course can also serve as a great refresher if you are re-entering the field.

Professional Credits & Continuing Education Units (CEUs)

Onsite Wastewater Disposal Systems

- NJ Health Officers & REHSs - Rutgers University, NJAES, Office of Continuing Professional Education has been approved by the New Jersey Department of Health as a provider of NJ Public Health Continuing Education Contact Hours (CEs). The decision on the number of CE's available for *Onsite Wastewater Disposal Systems* is still pending.
- NJ Licensed **Wastewater** Operators - 12 TCHs (Approval #01-041101-20)
- NJ Certified Public Works Managers - 3 Technical; 2 Management; 5 Government
- NJ Professional Engineers - 12 credits

Introduction to Septic Systems

- NJ Health Officers & REHSs - Rutgers University, NJAES, Office of Continuing Professional Education has been approved by the New Jersey Department of Health as a provider of NJ Public Health Continuing Education Contact Hours (CEs). The decision on the number of CE's available for *Introduction to Septic Systems* is still pending.
- NJ Licensed **Wastewater** Operators - 6 TCHs (Approval #01-061701-20)
- NJ Certified Public Works Managers - pending
- NJ Real Estate Professionals - pending

Septic System Inspections in New Jersey

- NJ Health Officers & REHSs - Rutgers University, NJAES, Office of Continuing Professional Education has been approved by the New Jersey Department of Health as a provider of NJ Public Health Continuing Education Contact Hours (CEs). The decision on the number of CE's available for *Septic System Inspections in NJ* is still pending.
- NJ Licensed **Wastewater** Operators - 12 TCHs (Approval #01-061201-20)
- NJ Certified Public Works Managers -2 Management; 3 Government
- NJ Professional Engineers - 12 credits