

National Environmental Health Association (NEHA)

Approved Online STS Contractor Continuing Education Trainings

Information about available courses, including registration can be found at <http://nehacert.org/moodle/course/category.php?id=10>

The following Onsite Wastewater Systems online distance courses provided by the National Environmental Health Association (NEHA) have been approved for the indicated number of continuing education hours for sewage treatment systems contractors, including installers, service providers, and septage haulers. Please note that NEHA membership is required to receive continuing education credits for these online courses:

Course Number	Title	Description	Approved CE Hours
OWS1201	Principles of Plan Checking	Attend this session for a discussion on why you need a comprehensive design process, what should be included on both the plan drawings as well as specifications, and how to review and markup plan sets for needed revisions and final approval.	1.0
OWS1202	Technology Approval	With numerous technologies rapidly entering the market place, it is important to establish a policy for review and approval. In this session, you will learn about NSF ANSI Standard 40 and 350 testing and certification, the EPA ETV Program, and the Field Testing Protocol established by the National Decentralized Water Resource Capacity Development Project.	1.0
OWS1203	Conducting a Small Community Assessment for Wastewater Infrastructure Improvements	Based on the USEPA Guidelines Manual, this session will introduce the process that assists small communities in asking all the right questions before moving on wastewater infrastructure improvements.	1.0
OWS1204	Contracts: Managing Expectations	Whether it be an O&M contract required by a local authority, a contract between a property owner and a septic inspector, or a technology warrantee agreement, it is extremely important that everyone is on the same page and on the same page in writing. The industry has long been plagued by misunderstandings and false expectations resulting in unnecessary litigation and premature failure of septic systems.	1.0
OWS1205	OWTS Inspections	During this session, you will learn about the various types of inspections including site and soils, building permit, construction, and property transfer/real estate. The basics of regulatory inspections and what inspection functions should be performed when a real estate transfer is being negotiated will also be covered in this session. While there is overlap in procedures for each of these inspection types it is important to recognize the differences and the reasons for those differences. This session will focus on the kinds of inspections, the goals of each, and the similarities and differences in approach.	1.0
OWS1206	OWTS Management, Operations, Maintenance & Monitoring	This session will discuss the importance of proper care and maintenance of septic systems. Whether it be a conventional standard gravity system or an advanced system employing a supplemental treatment unit, routine inspections and service are critical to ensuring long term operation and performance. "Flush and forget" and "out of sight out of mind" are notions of the past to be replaced by onsite wastewater treatment when properly sited, installed, and maintained is a sustainable option for protecting human health and the environment.	1.0

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OWS1103	OWS Part 1 - WERF & DWRC Research and Tools; Onsite System Technology Transfer to China; Preliminary Discussion on the Water Softener Effects Study	<p>New Decentralized Systems Research and Tools from WERF and the DWRC - Jeff Moeller WERF and its partners recently completed several dozen decentralized systems research projects. Learn about the new products available including reference guides, fact sheets, technology reviews, case studies, demonstration projects, training programs, spreadsheet tools, and more.</p> <p>Onsite Wastewater Treatment Technology Transfer to Rural China - Karen Mancil A model for technology transfer was developed and successfully implemented in rural Shandong Province, China.</p> <p>Septic Tanks: Effect of Cations on Settling and Filter Fouling – Pauli Undesser The presentation will introduce new research being conducted by Dr. Novak of Virginia Tech with funding from the Water Quality Research Foundation. The purpose of the study is to investigate the effects of various water softener operation patterns on septic tank performance. If there are softener operation patterns that have a negative impact on septic performance, then the study should permit development of operational guidelines for septic systems with regard to water softener operation.</p>	1.0
OWS1104	OSW Part 2 - NSF Grey Water Reuse Standard for Non-Potable Uses; Structuring Affordable Solutions for Small Communities	<p>Review of New National Standards for the Evaluation of Onsite Residential Wastewater and Graywater Reuse Treatment Systems for Non-Potable Applications – Tom Bruursema Growing interest in sustainable living combined with depleting resources has created a new market of onsite water reuse treatment technologies. Such technologies create benefit, but also risk to public health. Product standards are needed to provide credibility to the industry, confidence to buyers and a basis for approval by public health officials. New national standards will be reviewed, including methods of test, treatment system design, and suitable effluent quality requirements.</p> <p>Structuring Affordable Wastewater Solutions for Small and Rural Communities - Craig Lindell Decentralized wastewater treatment is now an industry with a portfolio of collection treatment and dispersal technologies that have the capacity to deliver TMDL performance based infrastructure on an incremental and just in time basis. Why do we not see it?</p>	1.0
OWS1501	Green Building With Onsite Wastewater Systems	<p>Many governments and industries are taking action to reduce the environmental footprints associated with manufacturing, processing, and building. This presentation will focus on sustainable development and green building through a quantitative analysis of environmental footprints of both centralized and decentralized wastewater systems. Attendees will be able to explain the benefits and points of difference of each approach and apply the information to their onsite wastewater treatment system installations</p>	1.0

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OWS1502	Is There a Water Reuse Program In Your Future?	Water management is threatened increasingly by quality and quantity issues driven by changes in populations, needs, and need. This session will address a variety of issues associated with water use and reuse, including the rapidly evolving uses, standards, technologies, treatment, and management approaches. You will leave with the ability to describe and evaluate these issues and ready to develop a path to implementation for your operation or community.	1.0
OWS1503	Protection, Conserving, Reclaiming and Reusing the Water That Gives Us Life	This presentation will use Walt Disney World as a large scale example to discuss and explore the problems and pitfalls that befall water systems as they serve to provide access to clean safe water, promote responsible water use, and promote the reuse of fresh and wastewater. Compare what is required in current codes and industry standards to the programs being used in Reedy Creek Improvement District of Florida. Leave with an understanding of the synergy between EH and water conservation practices.	1.0