

NHDES WASTEWATER OPERATOR TRAINING
FALL 2011 COURSE SCHEDULE

Granite State Rural Water Association See Attached 2011 Training Events listing for dates and classes offered OR Go to <http://granitestatewater.org> for the class descriptions and to obtain the registration form OR call Granite State at 603-753-4055
No Walk-ins please. Many of the classes offer education credit recognized by BOTH NH Water and Wastewater Certification Renewal Programs. A Very Good BUY☺

Sept 15
Thursday
9:00 am- 3:00 pm
\$40
0.5 CEUs
FTC

Arc Flash Reducing Panels

Presented by Brian Cronin - BISCO Pump Systems, Taught by Adam Bates - CSI CONTROLS
Arc flash is a leading cause of death and burn accidents for maintenance staff when servicing high energy electrical control panels in North America. Education is key to protecting yourself. BISCO offers an in-depth training presentation including a cost overview analysis of proper protection equipment (PPE) and proper training to personnel "qualified" to work with electricity compliant to current and upcoming electrical codes, liability risk and costs related to accidents caused by electricity, hands-on experience promoting advanced control solutions for protecting municipal workers, and our environment, and potentially reducing electrical costs to municipalities while using energy efficient controls. Physically learn while the products are demonstrated on site including the pre-engineered ECO SMART STATION and customizable ARC ARMOR Enclosure. Coffee and pizza lunch will be provided for all attendees.

Sept 21
Wednesday
9:00 am- 3:00 pm
FREE
0.5 CEUs
FTC

1 Day Confined Space Entry Refresher

Taught by Gary Bartlett NHDOT

Confined spaces can be extremely hazardous and may contain a variety of health risks: atmospheric hazards, accumulation of toxic materials, flammable or explosive atmospheres and physical hazards. This is a hands-on workshop designed for those seeking an in-depth refresher. **Enrollment is limited to 20 people.** Training hours approved for Water and Wastewater programs

Sept 23
Friday
0.2 CEUs for
NHWPCA
members only

NHWPCA Fall Meeting at Allenstown WWTF

Come see the remarkable BioMag process technology in action at the state's largest septage receiving/treatment facility in Allenstown. NHWPCA members can receive 0.2 CEUs for attendance. If you're interested in becoming a member, contact any Association officer for an application, visit nhwpc.org, or call the Operations Section at DES Wastewater Engineering Bureau. Refer to your individual NHWPCA-member mailing, the website, or the Collector Newsletter for meeting description. Separate mailing and registration.

Sept 28
Wednesday
9:00 am- 3:00pm
0.5 CEUs
\$50
FTC

½ Day Rigid PVC/ CPVC Material, Joining Methods and Techniques & ½ Day Lockout – Tagout: Control of Hazardous Energy

Taught by: Charlie Jennings- Spears Manufacturing Co. and Greg Kidd, NEWWTA

The morning interactive training session covers the basics of rigid PVC and CPVC with emphasis on methods and recognized standards for solvent welding and threaded connections. Additional discussion to include flanges and compression fittings. Hands-on joining demonstration and attendee participation will complete the presentation.

The afternoon feature is OSHA's Control of Hazardous Energy Standard- LOTO. Training includes defining types of hazardous energy and measures to control them with review of case studies. Learn the training requirements that can save your life, and how to develop, document, implement and enforce energy control procedures. Training hours approved for NH Water & Wastewater programs
Make checks payable to "NHWPCA" and mail to NHDES

Sept 29
Thursday
8:30 am – 2:30pm
0.5 CEUs
\$60
FTC

NEWWTA presents : Basic Science Concepts for Operators

Taught by Greg Kidd- NEWWTA

Refer to enclosed flyer for details. Register for the course directly through NEWWTA. **Checks payable to "NEWWTA."** Please register on-line at www.newwta.com or via email to gkidd@zwi.net . No Walk-ins please.

- Oct 5
Wednesday
9:00am- 3:00pm
\$40
0.5 CEUs
FTC
- Sludge Dewatering & Solids Handling/ Disposal**
Taught by Bartt Booz, PE- Wright-Pierce Engineers and WWTF reps from Allenstown, Merrimack, Nashua, Newport, Plymouth, WRBP, and Winchester
Are you considering an upgrade on the solids handling method at your WWTF? Need insight on what methods to pilot study? Bartt Booz will deliver the morning session with an overview of a variety of dewatering technologies, many in use at New Hampshire and Maine plants. He will share his knowledge and deliver key points including the importance of optimizing performance, polymer usage, and equipment selection considerations. The afternoon features a panel discussion with NH facility operators who use a range of solids handling/disposal techniques. Gain valuable knowledge from their research and operational experience to help you choose the handling/disposal method that will work best.
- Oct 13
Thursday
9:00am- 3:00pm
FREE
0.5 CEUs
FTC
- 1 Day Confined Space Entry Refresher**
Taught by Gary Bartlett NH DOT
Confined spaces can be extremely hazardous and may contain a variety of health risks: atmospheric hazards, accumulation of toxic materials, flammable or explosive atmospheres and physical hazards. This is a hands-on workshop designed for those seeking an in-depth refresher. **Enrollment is limited to 20 people.** Training hours approved for Water and Wastewater programs
- Oct 18 thru 21
Tues – Friday
8:30am - 3:30pm
\$295
FTC
2.2 CEU
Separate Registration Req'd
- NEIWPCC presents Basic Wastewater Treatment with Math**
Taught by: Charles Conway, NEIWPCC
This is a four-day course designed for introductory training in the wastewater operations field. People with little or no wastewater operations experience are encouraged to attend. This course helps prepare entry-level individuals for the Grade 1 Certification Exam. Bring a calculator to class please! Cost includes Volume 1 of the Sacramento Training Manual and Lunch. Register by September 30, 2011. **Sign in begins at 8:00 am**
Use the enclosed NEIWPCC registration form and mail directly to NEIWPCC
- Oct 19
Wednesday
9:00 am – 3:00 pm
\$40
0.5 CEUs
DES Auditorium
**Make checks payable to NHWPCA
Mail to NHDES**
- Manage for Success: Effective Leadership Practices**
Taught by Michael Cherniak PE, SR VP of Technical Services- Woodard & Curran; Special Guest -Doug McKeown, CEO- Woodard & Curran
There are various paths that people take into management and leadership positions. There are various styles of management. But, there are specific traits, skills, and activities that all effective leaders share in common. Leaders must demonstrate a clear understanding of the practices essential to building respect, teamwork, and pride among employees. Learn what a leader needs to know about him/herself to be effective and to achieve success, respect and professional satisfaction. The guest speakers will offer their personal insight and professional experiences that have launched them into highly regarded leadership roles. Presentation topics will include teamwork and effective communication skills; daily, monthly, and annual utility planning approaches; documenting results and tooting your own horn; finance management; and the elements of a health and safety-based team culture. Training hours approved for NH Water and Wastewater programs
Register by October 1. Make checks payable to “NHWPCA.” Mail to NHDES.
- Oct 25
Tuesday
8:30am – 2:30pm
\$50
0.5 CEUs
FTC
- NEWWTA presents : Nutrient Removal: Sustainable Strategies for Nitrogen & Phosphorus Removal**
Taught by Greg Kidd- NEWWTA & Grant Weaver, P.E., The Water Planet Company
Refer to enclosed flyer for details. Register for the course directly through NEWWTA. **Checks payable to NEWWTA.** Please register on-line at www.newwta.com or via e-mail to gkidd@zwi.net . No Walk-ins please.
- Oct 26
Wednesday
8:30am - 3:30pm
\$120. FTC
0.6 CEU
Separate Regis. Req'd
- NEIWPCC presents Care of Emergency Generators**
Taught by: Don Kennedy- NEIWPCC and Charles Bertrand- Caterpillar Corp.
Refer to the attached flyer for details.
Use the enclosed separate NEIWPCC registration form by October 12, 2011. Mail directly to NEIWPCC Sign in begins at 8:00 am.
Training hours approved for NH Water and Wastewater programs.

Oct 26 & 27
Wed & Thurs
\$100
Radisson Inn
Chelmsford, MA
CEUs are offered
**Separate
Registration
Required
Payable to
NHWPCA**

Pretreatment Coordinators Workshop, 13th Annual EPA New England

Taught by: Justin Pimpore and other US EPA Staff, State & Municipal Pretreatment Coordinators and Guest speakers

EPA New England sponsored 2-day workshop will address the varied needs of municipal pretreatment personnel. Advanced to basic pretreatment training, discussions, and presentations to be provided by local, state, and federal government reps and experts from the private sector. WWTF operators and municipal industrial pretreatment personnel are urged to attend. Lunch is included. Registration forms must be postmarked no later than October 7, 2011 Note the new registration address: "Pretreatment Conference Registrations," c/o CLD Consulting Engineers, Inc. 540 Commercial Street, Manchester, NH 03101
For more information contact George Carlson at (603) 271-2052 or george.carlson@des.nh.gov
Checks must made payable to "NHWPCA."

Oct 27
Thursday
9:00 am- 3:00pm
\$40
0.5 CEUs
FTC

Hot Work: Welding and Cutting Safety

Taught by Leo Traverse- Hazmateam, Inc Environmental Safety & Health Institute of New England

This is an important safety course for operators and mechanics alike. Topics include OSHA requirements for Personal Protective Equipment and the Welding and Cutting Standard. Emphasis on filling out Hot Work Permits in Low Hazard areas. Hands-on demonstration of torch lighting, opening cylinders, safety devices, use of PPE, and safe work practices. Also calibration of air monitors and calculating gas use will be covered. Lessons and Regulatory changes resulting from the 2006 explosion in Daytona, Florida's Bethune WWTF will be discussed. **Enrollment is limited to 35 people. Make checks payable to "NHWPCA." Mail to NHDES**

Nov 1
Tuesday
9:00 am- 3:00pm
\$40
0.50 CEUs
FTC

Innovative Products to Control Foreign Material throughout the Treatment Process

Morning Taught by Brent Gill - Gill Trading, Inc and

Afternoon Taught by Karl F.Ehrlich, PhD - Bacta-Pur

Are you interested improving the methods used to remove algae, grease and solids that accumulate in the many components of your treatment system? Brent Gill will present the theory and products developed to remove materials using spray nozzle systems throughout the collection system and plant process. That's right, material removal without chemical addition, and it uses plant water! These innovations save you time, money and optimize performance throughout the system. The afternoon session features reps from Bacta-Pur to present the use of biological products to control grease in the collection system, featuring a case study from Meredith, NH. Learn about the benefits of purely biological, cost-effective solutions to optimize wastewater treatment. The negative consequences of chemical addition by food service establishment's waste stream on your plant process will be discussed as well.

Nov 2
Wednesday
9:00am – 3:00pm
\$40
0.5 CEUs
FTC

Troubleshooting WWTFs

Taught by: NHDES Wastewater Operations Staff and Regional Troubleshooters

A panel of trouble shooters will discuss common operating problems and their successful resolutions or failures through actual case studies. Trouble shooting techniques will be presented to solve problems typically found in activated sludge, lagoons, fixed film systems, collection systems, etc. Problem areas such as high BOD, low pH, filamentous bacteria, solids handling, nitrification/denitrification and disinfection will be discussed. At the end of the day class participation will be encouraged to bring up current issues for discussion in a roundtable format.

Nov 8, 9 & 10
3 Days
8:30 am – 3:30pm
\$195
1.5 CEUs
FTC

NEWWTA presents: Collection System Math and O&M & NEWEA CS Certification Exam Grades I- IV

Taught by : Greg Kidd- NEWWTA

Refer to the enclosed flyer for details. Register for the Course and for the Exam separately. NEWEA Collection System Voluntary Certification Exam Grades 1, 2, 3, and 4 administered on Nov 10 from 12:30- 3:30 pm. **Register with NEWWTA and NEWEA directly.**

- Nov 16
Wed
9:00am- 3:00pm
\$40
0.5 CEUs
FTC
- Applied Wastewater Math Review**
Taught by NHDES Staff
This class offers a review for those registered for all grades of the WW Certification exams. We will review basic math calculations including perimeters, surface areas, volumes and flow rates. Basic laboratory calculations such as BOD, TSS and VSS will be covered as well as percentage calculations. These basic math skills will then be applied to calculations of detention times, surface loading rates, sludge volumes, chlorine dosages, and percentage of BOD removal, F/M ratios, MCRT, pumping rates, required horsepower ratings and power consumption. The NHDES sanctioned wastewater formula sheet will be distributed at the beginning of the class. Bring calculator & pencils.
- Nov 30
Wednesday
8:30am -3:30pm
\$120
0.6 CEUs
FTC
- NEIWPCCC presents WWTP Process Upgrades for Energy Savings**
Taught by: Don Kennedy- NEIWPCCC and Jay Bradford- Motion Industries
Refer to the attached flyer for details.
Use the enclosed separate NEIWPCCC registration form by November 14, 2011. Mail directly to NEIWPCCC. Sign in begins at 8:00 am.
Training hours approved for NH Water and Wastewater programs
- Dec 7
Wed
9:00am to 3:00 pm
FREE
0.6 CEUs
FTC
- CERTIFICATION EXAMS—ALL GRADES**
Separate Pre-Registration and Pre-Approval Required
Applications are available from the NHDES Wastewater Operation Section by calling 603. 271.5553, or visit the NHDES website at www.des.nh.gov/organization/divisions/water/wweb/applications.htm. The deadline to return applications to DES is **October 3, 2011**. The NHDES Certification Committee will notify applicants of their eligibility within 25 days of the exam date.