Granite State Rural Water Association. See 2018 Training Events listing for dates and classes offered at [http://granitestatewater.org](http://granitestatewater.org) for the class descriptions and to obtain the registration form OR call Granite State at 603-756-3670; FAX 603-756-3675 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!

Ed credit approved for WW operators

White Mountains Community College (WMCC) has a General Studies degree that students can design themselves. There are requirements for a certain number of credits in Humanities, Social Science, Math, English, Science, etc. that can be taken just about anywhere, some may even be offered online, and then I believe it is 33 credits in a major or concentration, of the students choosing. WMCC offers 10 Water Quality Technology courses on-line (30 credits) and 1 self-directed, independent study course (3 credits). So it would be possible for a student to earn an Associate’s Degree without ever setting foot on the Berlin campus. Another advantage is that a student can design the degree to include college level courses that they already have taken.

Students can contact Sheldon Towne directly if they wish to discuss this option. stowne@ccsnh.edu 603-616-8663 If WMCC doesn’t offer one of the courses online, another of the community colleges likely does and students can transfer credits.

Academic Technology and Distance Learning Department 24/7 Phone, Live Chat and FAQ Help: [http://ccsnh.edusupportcenter.com](http://ccsnh.edusupportcenter.com)

For training email: distancelearningtraining@ccsnh.edu

Ed credit approved for WW operators

NH Bureau of Education and Training

Year round classes offered by BET are open to state & municipal employees. The BET registration form: [http://das.nh.gov/hr/documents/Registration%20Form.pdf](http://das.nh.gov/hr/documents/Registration%20Form.pdf) Contact info: Robin Hoyt at Robin.Hoyt@NH.Gov or 271-1429. To view the complete BET course catalogs, which include Lean process improvement techniques, soft skills programs, and computer skills classes: [https://das.nh.gov/hr/trdev.html](https://das.nh.gov/hr/trdev.html) or call 603-271-1429.

Contact BET to register directly!

Class location info available thru BET

Contact your Certification committee member to request ww ed credit approval before you register!

So Many Ways to Learn

New Sources for 2018

**NEED Education credit in a hurry?**

Your Certification Committee has approved training credit for classes offered online thru CEU Plan found at [www.ceuplan.com](http://www.ceuplan.com); RedVector at [www.redvector.com](http://www.redvector.com); Courses from Roy Pelletier found at [www.royceu.com](http://www.royceu.com) or call 386-574-4307; and Hazmateam Inc. at [www.hazmateam.com](http://www.hazmateam.com); Paula Jackson provides training in NH find info at [www.earthwaterspecialists.com](http://www.earthwaterspecialists.com) Correspondence style courses offered through SkillWorks, Inc. found at [www.skillworks.com](http://www.skillworks.com) or call 508-393-3973; Primex³ offers classes to its members online and in-person at the office in Concord, NH for topics and information go to [http://www.nhprimex.org/EducationTraining/index.php](http://www.nhprimex.org/EducationTraining/index.php)

2019

**NH Drinking Water & Wastewater Managers School**

Refer to the advertisement and information sheet at: [http://www.nhwPCA.org/](http://www.nhwPCA.org/) for details on registration for the upcoming classes to be held at NHDES.

Registration deadline is November 30, 2018. Classes scheduled March through November 2019

NEIWPC News

**Register online now for NEIWPCA’s Fall 2018 Courses!**

NEIWPC’s fall 2018 course online registration is available. If you are interested in enrolling in any of their classes in New England and would like to sign up online, please go to [http://www.neiwpc.org/training/calendar.asp](http://www.neiwpc.org/training/calendar.asp) If you prefer to mail or fax your registration, access the complete course catalog at [http://www.neiwpc.org/training/training-docs/current_train_cat.pdf](http://www.neiwpc.org/training/training-docs/current_train_cat.pdf). The catalog includes a registration form. 3 fall 2018 classes are approved for Wastewater Ed credit only. Class flyers and Registration forms can be found on NHDES webpage too.
December 2018

**Energy Efficiency Workshops**

Updates on Energy Efficiency/Management/Conservation Audits - contact Sharon Nall, of NHDES relating to the 2018 audits conducted at WW facilities across NH. Education classes will resume in late 2018 and into early 2019. On-site workshops will be offered at 4 NH locations (to be determined) and will cover Lagoons; Secondary; and Advanced treatment systems. Workshop content to include sharing success stories resulting from the projects implemented from audit results, Energy data management system development, discussion of monetary incentives available, with Peer-to-Peer contact from NH facility operators. Details will be shared later this Fall.

Sharon.Nall@des.nh.gov

Training hours approved for Water & WW programs.

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**Confined Space Entry- Full Certification**

_Taught by: Gary Bartlett- NH DOT and Nancy Baillargeon- NHDES_

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 the beginner, those who write the confined space programs, and those seeking an in-depth refresher. **Class size limit is 12.**

Training hours approved for Water & WW programs.

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**NEWWTA presents: Collection System: Operation & Maintenance & NEWEA Collection System Voluntary Certification Grades I- IV Exam (3 Day course)**

Course # 0418-NH

_Taught by: Gregory Kidd- NEWWTA_

Register for the Course and the Exam separately.

This 3-day course is designed for collection system operators and maintainers. Topics include: collection system components, safety procedures, inspection & maintenance techniques, pumping systems, and applied math. **Class size limit to 25.** NEWEA Collection System Voluntary Certification Exam Grades 1, 2 3 & 4 administered on September 27 from 12:30pm to 3:30 pm. The course fee includes the $50 NEWEA Certification Exam fee. **Exam applications will be provided with course confirmation. Use the NEWWTA enrollment form. Mail directly to NEWWTA with checks made payable to NEWWTA.** Option to register on-line at [www.newwta.com](http://www.newwta.com) or via e-mail to gkidd@gwi.net

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**NHWPCA Fall Meeting at City of Concord Hall St WWTF**

Information and details to be shared directly from NHWPCA. If you’re interested in becoming a NHWPCA member, contact any Association officer for an application, or visit nhwpca.org. Refer to your individual NHWPCA-member mailing, the web site, or the Collector Newsletter for event highlights. **Separate Mailing and Registration Required through NHWPCA**

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**NHWPCA presents: The SBR Puts the Operator in Control of the Treatment Process**

_Taught by: Wendy Ferguson- Contract Wastewater Operations, LLC_

Those attending need to have a basic understanding of the microbiology of the activated sludge process. The workshop will lend understanding on the microbiology and biological conditions that occur in the treatment process steps of Nitrification and Denitrification (N&D). The class will offer a brief review of the bacteria chiefly responsible for degrading the waste. Learn about the monitoring required and the adjustment of operating conditions to favor the crucial steps of the N&D processes. Sequencing Batch Reactor technology will be presented. The features, advantages, capabilities, and applications of this single reactor system will be covered. If plans to upgrade your facility include an option for SBR units, you will find this workshop helpful. NH WWTF operators with SBR systems will be in attendance for a roundtable discussion to relay their experiences. **Class size limit is 35. Make checks payable to NHWPCA and mail to NHDES**
Be Prepared for Bypass Pumping and Submersible Pump Technology

Taught by Douglas Tarnawa- Godwin Pumps & Ian Belczyk - Flygt, Inc.

The need for sewage bypass projects can arise as emergencies and total surprise, or as part of planned community investment projects to maintain and upgrade our infrastructure. Each event presents a different scenario and bypass requirements. Learning the principles and applications of bypass pumping will give you confidence to take on any project in any situation. Learn how to assess conditions that dictate system design, best practices for installation and how pre-planning saves critical time in an emergency. The lesson includes a hands-on demo to trouble shoot a dry-prime pump. The afternoon will feature submersible pump information with an emphasis on pump station applications and the benefits and implementation of current submersible technology. Submersible pumps are critical in our infrastructure systems. Learn how current submersible pump technology can reduce downtime and increase the energy efficiency of any pump station.

Make checks payable to NHWPCA and mail to NHDES

NEIWPCC presents: Sludge Air Sampling & Biosolids Sampling Plans

Taught by: Leo Traverse- Hazmateam, Inc; Michael Jennings- NEIWPCC; and others TBA

This class presents recent air sampling results from a local NH wwtf sludge bay. Learn about potential hazards associated with sludge air quality when working nearby. The session will focus on elements that are critical to biosolids land application program success. A sound sampling plan for biosolids is essential to produce consistent sludge quality. Class fee includes NEIWPCC guidance text entitled The wtp Operators Guide to Biosolids Sampling Plans along with 2018 updates to the guide. Refer to the flyer for details. Use the NEIWPCC registration form found at neiwpcc.org, and on the NHDES web site. Checks Payable to NEIWPCC. Class size limit to 25.

Mail directly to NEIWPCC by September 24, 2018 Sign in begins at 8:00 am.

NEWWTA presents: Trenching & Excavation: Competent Person Training & Confined Space Awareness

Taught by Gregory Kidd- NEWWTA Course # 13518 –NH

This class is offered on three dates in three locations- on Oct 3, 10 and Nov 27. The class focus is on inherent work hazards that cause employee injury related to trenching & excavation activities and in/around confined spaces. Learn about the slope design factors to prevent employee injury or death. Learn the role of the trench & excavation Competent Person, and the confined space Entry Supervisor, Attendant, and Authorized Entrant. Use the NEWWTA enrollment form. Make checks payable and mail directly to NEWWTA. Option to register online at www.newwta.com or via email to gkidd@gwi.net Training hours approved for Water & WW programs & 6 credit hours for Subsurface Installers/Designers

NH Public Works Mutual Aid – Ultimate Toolbox Workshop

NHPWMA is pleased to offer this informative workshop at no cost to NH’s municipal and public works professionals. This one-day workshop topics include Emergency permitting, FEMA Documentation, Funding, Web EOC and First Net Communications, and Incident Lessons Learned Register online at www.t2.unh.edu or call 603-862-1362 UNH Technology Transfer Center for more information.

NEIWPCC presents: Lab Procedures- Followed by NEWEA Voluntary Lab Certification Exam

Taught by: Andy Fish- formerly with VTDEC

The one and a half-day class provides the opportunity to learn the lab tests for NPDES permitting and plant operations. It prepares participants for the optional NEWEA Voluntary Lab Analyst Certification Exam. Exam will be held after the course.

In order to take the exam ONLY you must apply directly to NEWEA at newea.org.

Refer to the flyer for details. Use the NEIWPCC registration form found at neiwpcc.org, and on the NHDES web site. Checks Payable to NEIWPCC.

Mail directly to NEIWPCC by September 20, 2018 Sign in begins at 8:00am.
OCT 9, 16, 23 & 30
NOV 6
5 Tuesdays
8:30am- 2:30 pm
$295 payable to NEWWTA
2.5 CEUs
FTC

NEWWTA presents: Wastewater Treatment Certification Prep Course- Grades I & II
Taught by: Gregory Kidd- NEWWTA  Course # 2018-NH
This 5-day course is designed for introductory training in the wastewater operations field. People with little or no wastewater operations experience are encouraged to attend. Topics include principles and practices involved with collection, treating, and disposing of ww and ww biosolids. Excellent prep for Grades I and II Certification Exams. Bring a calculator to class please! Fee includes NEWWTA’s customized ACR Publications Wastewater Systems manual.

Please register by September 15, 2018. Use the NEWWTA enrollment form. Make checks payable and Mail directly to NEWWTA. Option to register on-line at www.newwta.com or via e-mail to gkidd@gwi.net

OCT 10
Wednesday
8:15 am- 3:15 pm
$85
0.6 CEUs
Lebanon City Hall,
51 Park St
Lebanon, NH

NEWWTA presents: Trenching & Excavation : Competent Person Training & Confined Space Awareness
Taught by Gregory Kidd- NEWWTA  Course # 13518 –NH
This class is offered on three dates in three locations- on Oct 3, and Nov 27. The class focus is on inherent work hazards that cause employee injury related to trenching & excavation activities and in/around confined spaces. Learn about the slope design factors to prevent employee injury or death. Learn the role of the trench & excavation Competent Person, and the confined space Entry Supervisor, Attendant, and Authorized Entrant. Use the NEWWTA enrollment form. Make checks payable and mail directly to NEWWTA. Option to register online at www.newwta.com or via email to gkidd@gwi.net
Training hours approved for Water & WW programs & Subsurface Installers/Designers

OCT 12
Friday
8:00 am- 3:00 pm
FREE
0.5 CEUs
FTC

1 Day Confined Space Entry Refresher
Taught by Gary Bartlett NH DOT
You must complete the 3-day course PRIOR to taking this 1-day Refresher class.
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.
Class size limit is 15. Training hours approved for Water & WW programs

OCT 24
Wednesday
8:30am- 2:30 pm
$40
0.5 CEUs
FTC

Chemical Delivery Pumps & Monitoring Controls
Taught by Bob Hopkins & Gene Weeks – BAU/Hopkins; Gaspar Lesznik – Hidrogeron North America
Learn how chemical feed equipment relates to pumps and other water & wastewater treatment apparatus. With detailed discussion on application, installation & maintenance requirements for the available feed pump and mixing systems, presenters will highlight differences &benefits so operators can select the most efficient equipment for their needs. Differences between motor driven diaphragm pumps (Pulsafeeder) and solenoid driven pumps (Pulsatron or LMI) to be discussed. Participants gain an understanding of: Diaphragm Feed Pumps Chemical Feed Mixers & Accessories; Peristaltic Feed Pumps Polymer systems; Pacing chemical pumps Sodium Hypochlorite Systems; and Proper pump selection. The course will cover components of chemical feed and monitoring equipment including: valves, sensors, pulsation dampeners, tubing, chlorine analyzers, polymer systems, blending and mixing equipment. Make checks payable to NHWPCA and mail to NHDES Training hours approved for Water & WW programs

OCT 24 & 25
Wednesday & Thursday
$175
UMASS Lowell Conference Inn
Lowell, MA
CEUs offered
Separate
Registration Required

Pretreatment Coordinators Workshop, 20th Annual EPA New England
New England Regional Pretreatment Coordinators Association (NERPCA) and EPA New England to sponsor a workshop addressing the varied needs of municipal pretreatment personnel. Advanced to basic pretreatment training, discussions, and presentations will be provided by local, state, and federal government representatives, as well as experts from outside the government. Attendance at this conference is strongly encouraged for all municipal industrial pretreatment personnel. Due to the nature of this conference, registration is limited to federal, state and local government staff (and their consultants, if applicable). Includes Breakfast & Lunch both days and Networking reception first evening Oct 24. Registration forms must be postmarked no later than October 12, 2018. For more information visit www.NERPCA.org or contact Justin Pimpare at 617-918-1531 or pimpare.justin@epa.gov Registration forms, on-line registration, proposed agenda, hotel and payment information available at http://www.nerpca.org/annual_conference.html
NEIWPCC presents: Advanced Activated Sludge Process Control and Optimization
Taught by: Eric J. Wahlberg, P.E., Ph.D., Wastewater Technology Trainers
Eric is a nationally renowned expert in process control, performance testing, and clarifier operations. This class will give activated sludge front-line supervisors and operators, and process control operators and engineers, an in-depth understanding of the activated sludge process. Learn how effluent quality variability and process energy usage can be reduced.
Refer to the flyer for details. Use the NEIWPCC registration form found at neiwpcc.org, and on the NHDES web site. Checks Payable to NEIWPCC.
Mail directly to NEIWPCC by October 16, 2018 Sign in begins at 8:00 am.

Asset Management Workshop
NHDES is hosting its 5th Annual Asset Management Workshop—“The Lost Art of Communication”. All levels of experience with AM programs are welcome to attend. This training will provide Water, Storm water and Wastewater operators & managers with means and methods on how to leverage your current and/or future technology implementation to maximize asset management programs. There will be ample opportunity to discuss your ideas and network during the breakout sessions throughout the day. Hot lunch will be provided. Registration and Payment information and the detailed agenda will be available soon and posted to the webpage.
Contact Luis Adorno at DES 603- 271- 2472 Training hours approved for Water & WW programs.

Laboratory Skill Training- Bacteria Detection Tests & Analytical Equipment
Taught by: Shawn Dubois- Scientist/Product Support Supervisor & Harold Baum – Senior Corporate Regional Manager- IDEXX Water
IDEXX products are widely used around the Northeast. These products save you time without losing accuracy, so you can act quickly to report test results using their EPA-Approved test methods. The products and tools used daily by lab techs and operators will be the focus of this presentation. Learn from the IDEXX Product Support specialist and share your questions for open discussion. Topics to include a review of the microbiology associated with the treatment process, Colilert and Enterolert testing equipment, Colilert storage, using the comparator, correct incubation times, correct sampling procedures, and Dilution guidance. Attendees are urged to participate in equipment demonstrations. If you expect answers, you must ask questions.
Make checks payable to NHWPCA and mail to NHDES

Fundamentals of Math for Operators
Taught by: Gregory Kidd- NEWWTA
Math skills and problem solving are indispensable tools for all levels of wastewater professionals who use these skills in their jobs daily. Class focus is teaching an understanding of basic mathematical concepts and calculations. Fractions, decimals and per cent, unit calculation, basic algebra and ww formulas are some of the topics to be taught with an emphasis on ww math. Time will be allotted for individual instruction on all subjects presented. A pencil & the willingness to learn are required. Training hours approved for Water & WW programs.
Make checks payable to NHWPCA and mail to NHDES

NEWWTA presents: Nutrient Removal : Sustainable Strategies for Nitrogen & Phosphorus Removal
Taught by Gregory Kidd- NEWWTA Course # 2218-NH
This class presents the science and practical operations for both nitrogen and phosphorus removal at wwtfs. Topics include environmental impact of excess nutrients, N & P chemistry, microbiology, biological & chemical treatment, process control & ORP monitoring.
Use the NEWWTA enrollment form. Make checks payable and mail directly to NEWWTA.
Option to register online at www.newwta.com or via email to gkidd@gwi.net
**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. Training hours approved for Water & WW programs

Make checks payable to Treasurer State of NH and mail to NHDES

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**Laboratory Skill Training—Roadmap to Success: Sample Collection & Analytical Testing**

*Taught by: Michael Serard & Stephanie Wilson- Eastern Analytical Laboratory, Inc.; Greg Bleszinski – HACH Co*

This introductory course is geared toward operators with NPDES regulated permits. Accuracy of testing and confidence in test results requires proper sample collection and storage. First we will cover Sample Collection and Handling, meeting your Permit Needs, and Choosing Laboratory Services. Then receive an overview of theories behind your analytical routines and various laboratory techniques. Learn about the HACH test kits now EPA-approved. Class will include a demonstration of the HACH test kits available to improve your proficiency. Training hours approved for Water & WW programs Make checks payable to NHWPCA and mail to NHDES

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**NEWWTA with NHWPCA Safety Committee presents: Trenching & Excavation : Competent Person Training & Confined Space Awareness**

*Taught by Gregory Kidd- NEWWTA Course # 13518 –NH*

This class is offered on three dates in three locations- on Oct 3, 10 and Nov 27. The class focus is on inherent work hazards that cause employee injury related to trenching & excavation activities and in/around confined spaces. Learn about the slope design factors to prevent employee injury or death. Learn the role of the trench & excavation Competent Person, and the confined space Entry Supervisor, Attendant, and Authorized Entrant. Use the NEWWTA enrollment form. Make checks payable and mail directly to NEWWTA. Option to register online at www.newwta.com or via email to gkidd@gwi.net

Training hours approved for Water & WW programs & Subsurface Installers/Designers

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**New Effective Technologies to Monitor & Control Sludge Solids throughout the WW Process**

*Taught by: Mike Caso- Technology Sales Associates; Stefano Antonacci- Valmet; Paul Sussman- The Maher Corp*

This workshop covers topics related to the benefits gained by removing solids from our treatment process. The morning includes an overview of coarse screen and fine screen types available for water, wastewater and sludge handling systems, their advantages and disadvantages, plus where and how to apply each type. Example installations of the various type screens will be presented. Followed by a segment on UV disinfection technologies. The afternoon segment features new technology for measuring total solids using microwave technology in any pipe or after any dewatering device. Make checks payable to NHWPCA and mail to NHDES

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**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 go to www.des.nh.gov/organization/divisions/water/wweb/applications.htm. Those interested are advised to submit applications to DES by October 15, 2018. The NHDES Certification Committee will notify applicants of their eligibility within 25 days of the exam date.
NHWPCA Winter Meeting at Keene WWTF

Information and details to be shared directly from NHWPCA soon. If you’re interested in becoming a NHWPCA member, contact any Association officer for an application, or visit nhwpca.org. Refer to your individual NHWPCA-member mailing, the web site, or the Collector Newsletter for event highlights.

**Separate Mailing and Registration Required**

OLF