

Corrosion Control Technology

Dates & Locations (choose one):

- January 5, 9:00am-1:30pm, Community College of Vermont, 197 Harrel Street, Morrisville, VT
- January 10, 9:00am-1:30pm, Community College of Vermont, 70 Landmark Hill Drive, Brattleboro, VT

Credit: 4 TCH [W]

Non-member cost: \$40

Member cost: \$32

Instructor: Paula Jackson (VRWA)

The Lead and Copper Rule, when exceeded, can be an overwhelming process to manage. This 4 hour session will define the Lead and Copper Rule; look at the factors which cause corrosion; look at water quality parameters that can be tested to determine the cause of the aggressiveness; and look at water treatment technologies and optimization procedures to get your water system back in compliance.

VOSHA Personal Protective Equipment Safety Training

Date: January 12, 2012

Time: 9:00am-1:00pm

Location: Marlboro College Graduate and Technology Center, 47 Vernon Street, Brattleboro, VT

Credit: 3.5 TCH [W]

Non-member cost: \$35 [WWW]

Member cost: \$28

Instructor: Dan Whipple (VOSHA Compliance Assistance Specialist)

Proctor: Phil Acebo (VRWA)

The use of personal protective equipment (PPE) is an integral part of our workplace. This activity is primarily covered in the VOSHA General Industry regulation, 29 CFR 1910.132, as well as other activity related standards. This course is designed to give the student a good basis for the requirements of PPE usage, including workplace assessment, training, fit testing, and medical evaluations in the event that employers choose this avenue to protect employees from hazards.

Mixing Potable Water: The Key to Eliminating Issues in Your Storage System

Date: January 18, 2012

Time: 9:00am-1:00pm

Location: St. Leo's Hall (Behind St. Andrew's Roman Catholic Church), 109 South Main Street, Waterbury, VT

Credit: 3.5 TCH [W]

Non-member cost: \$35

Member cost: \$28

Instructor: Michael Sullivan (David F. Sullivan and Associates) and Michelle McCadden (Solar Bee)

Proctor: Phil Acebo (VRWA)

Water circulation is an important component to ensuring water quality in various environments. High volume circulation can play a role in improving water quality in water storage tanks, raw water reservoirs and recreational lakes. Increased mixing capability can also improve the treatment efficiency of wastewater lagoons. This session will explore the uses of solar powered mixing equipment and the role that high volume water circulators can play in each of these applications.

Water System Microbes and Chlorine Chemistry

Dates & Locations (choose one):

- January 19, 8:30am-4:30pm, Comfort Inn, 56 Lehman Drive, White River Junction, VT
- January 26, 8:30am-4:30pm, Charles Carter Business Center, 1713 Industrial Parkway, Lyndonville, VT

Credit: 7 TCH

Non-member cost: \$70

Member cost: \$56 [W]

Instructor: Paula Jackson (VRWA)

This seven hour course is intended for water systems operators from TNC's, NTNC's, and CWS's. The morning session will encompass 2 hours of microbiology, including protozoa, bacteria, and viruses. Where do they come from? How do they survive? And what health threats do they pose? The next 2 hours will be a movie on the Walkerton, Ontario E. coli outbreak of 2000. The afternoon session will be dedicated to chlorine chemistry. There are water characteristics such as pH and iron which interfere with the disinfection process. We will look at the chemical reactions which happen from injection point to the distribution system where disinfection by-products can form.

VOSHA Trenching and Excavation Safety Training

Date: January 24, 2012

Time: 9:00am-1:00pm

Location: Ilsley Public Library, 75 Main Street, Middlebury, VT

Credit: 3.5 TCH

Non-member cost: \$35 [W]

Member cost: \$28 [WWW]

Instructor: Dan Whipple (VOSHA Compliance Assistance Specialist)

Proctor: Phil Acebo (VRWA)

Designed for water/distribution system operators who perform distribution system repairs in trenches, this class is based on OSHA/VOSHA regulations. Operator safety and compliance issues that deal directly with trenches will be discussed.

Key

[W] = approved for water credit

[WWW] = approved for wastewater credit

Traffic Control Flagger Certification

Date: January 31, 2012

Time: 9:00am-1:30pm

Location: Central Vermont Memorial Civic Center, 268 Gallison Hill Road, Montpelier, VT

Credit: 4 TCH [W]

Non-member cost: \$40 [WWW]

Member cost: \$32

Instructor: Phil Acebo (VRWA)

The Flagger Certification Course was developed to provide flaggers with the basic knowledge, information and awareness to perform their jobs safely. Once the Flagger course is successfully completed (passing written exam with 70% or better), the student will receive a certificate certifying their training to perform as a qualified Flagger.

Water System Conservation

Dates & Locations (choose one):

- February 2, 9:00am-12:30pm, Vermont Rural Water Association, 20 Susie Wilson Road, Essex Junction, VT
- February 9, 9:00am-12:30pm, Charles Carter Business Center, 1713 Industrial Parkway, Lyndonville, VT
- February 16, 9:00am-12:30pm, Howard Dean Educational Center, 307 South Street, Springfield, VT

Credit: 4 TCH



Non-member cost: \$40

Member cost: \$32

Instructor: Paula Jackson (VRWA)

An accurate water system audit is the starting point for a good water system conservation program. How much water is your system leaking into the ground? How much money does this calculate to? Leak detection will help cut those losses. What is a good leak detection approach for you water system? Water system consumers are becoming more proactive in conservation efforts. What can you do to enhance conservation amongst your customers? We will outline the components of a good water system conservation program.

VOSHA Machine Guarding and Portable Power Tool Safety

Date: February 7, 2012

Time: 9:00am-1:00pm

Location: Charles Carter Business Center, 1713 Industrial Parkway, Lyndonville, VT

Credit: 3.5 TCH



Non-member cost: \$35



Member cost: \$28

Instructor: Dan Whipple (VOSHA Compliance Assistance Specialist)

Proctor: Phil Acebo (VRWA)

Moving machine and tool parts have the potential to cause severe burns or workplace injuries, such as crushed fingers or hands, amputations, and blindness. Safeguards are essential for protecting workers from these preventable injuries. Any machine part, function, or process that may cause injury must be safeguarded. When the operations of a machine or accidental contact injure the operator or others in the vicinity, the hazards must be eliminated or controlled. This class will contain general information on the various hazards of mechanical motion and techniques for protecting workers.

Deciphering the Consumer Confidence Report (CCR) for Your Customers

Date: February 15, 2012

Time: 9:00am-12:30pm

Location: St. Leo's Hall (Behind St. Andrew's Roman Catholic Church), 109 South Main Street, Waterbury, VT

Credit: 3 TCH



Non-member cost: \$30

Member cost: \$24

Instructor: Ray Solomon (Drinking Water and Groundwater Protection Division)

Proctor: Phil Acebo (VRWA)

An integral part of the Safe Drinking Water Act (SDWA) is the yearly report for consumers regarding water quality in community water systems, the Consumer Confidence Report (CCR). We will look at representative CCRs and discuss the various constituents that may be found in water, MCLs, MCLGs, the chemistry, and how to deal with questions asked by consumers regarding their water.

VOSHA Electrical Safety

Date: March 7, 2012

Time: 9:00am-1:00pm

Location: Howard Dean Educational Center, 307 South Street, Springfield, VT

Credit: 3.5 TCH



Non-member cost: \$35



Member cost: \$28

Instructor: Dan Whipple (VOSHA Compliance Assistance Specialist)

Proctor: Phil Acebo (VRWA)

This course will focus on general electrical safety in the workplace and specifically in water and wastewater facilities in accordance with OSHA/VOSHA regulations.

Water and Wastewater Budgets and Rates

Date: March 8, 2012

Time: 8:30am-1:00pm

Location: Hartford / White River Junction Municipal Building, 171 Bridge Street, White River Junction, VT

Credit: 4 TCH



Non-member cost: \$40



Member cost: \$32

Instructors: Wayne Elliot, P.E & Don Phillips, P.E. (Aldrich + Elliott)

Proctor: Wayne Graham (VRWA)

Learn how to get your water and wastewater finances in order by determining budgets, revenue sources, rates, future system needs, and capital replacement planning. This class will help you ensure sustainability of your municipal water and wastewater infrastructure.

Water System Hydraulics and Cross-Connection Control

Dates & Locations (choose one):

- March 13, 8:30am-1:00pm, Vermont Rural Water Association, 20 Susie Wilson Road, Essex Junction, VT
- March 22, 8:30am-1:00pm, Comfort Inn, 56 Lehman Drive, White River Junction, VT
- March 27, 8:30am-1:00pm, Community College of Vermont, 197 Harrel Street, Morrisville, VT

Credit: 4 TCH



Non-member cost: \$40

Member cost: \$32

Instructor: Paula Jackson (VRWA)

Water systems in Vermont tend to have great elevation changes making the water system hydraulics challenging at times. We will discuss water system hydraulics from source to storage to consumer. How does hydraulics relate to cross connection control in you water system? What precautions can you take to ensure your water system doesn't get contaminated from a cross connection? This class will explore all these questions and more.

Small Systems Class 2 Certification

Date: March 12-15, 2012

Time: 9:00am-1:30pm Location: Central Vermont Memorial Civic Center, 268 Gallison Hill Road, Montpelier, VT

Credit: 16 TCH



Non-member cost: \$150

Member cost: \$120

Instructors: Phil Acebo (VRWA)

This course is designed for those who will be taking the VT Class 2 Water Operator Certification Exam. The sixteen hour program provides a survey of all aspects of operating a small public water system: SDWA requirements, sampling, water sources, well construction, source protection, storage, distribution, hydraulics, cross-connections, safety, disinfection, and treatment. This course is not designed for the operators of transient systems (TNCs). **Lunch on your own.**

Advanced Operator Certification Class 3/4

Dates (must attend all 9 sessions):

· March 20, 21, 27, 28

· April 3, 4, 10, 11, 17

Time: 9:00am-3:30pm

Location: Central Vermont Memorial Civic Center, 268 Gallison Hill Road, Montpelier, VT

Credit: 45 TCH (5 TCHs per class)

Non-member cost: \$225 (plus \$185 for books)

Member cost: \$180 (plus \$185 for books)

Instructor: Phil Acebo (VRWA)

This training program is designed for new and existing Class 3 and 4 public water system operators and those training to become operators. The program will prepare individuals to take the Vermont State Class 3 and 4 water operator certification exams. Many aspects of water operations are covered during this nine week course. Attendees are expected to attend all the given sessions.



Distribution Certification Class D

Dates (must attend all 6 sessions):

· March 22, 29

· April 5, 12, 19, 26

Time: 9:00am-3:30pm

Location: Central Vermont Memorial Civic Center, 268 Gallison Hill Road, Montpelier, VT

Credit: 30 TCH (5 TCHs per class)

Non-member cost: \$150 (plus \$115 for books)

Member cost: \$120 (plus \$115 for books)

Instructor: Phil Acebo (VRWA)

This course is designed for those involved with the distribution of potable water who are seeking a Class D certification.



Registration Information

Deadline: Two business days before course date. Registrations received less than two days before a session are subject to a \$20 late fee. **No walk-ins, please. Sign-in begins 15 minutes before the start of the course.**

Register by mail: Complete the form below and send it with a check or money order for the full amount to:

VRWA
20 Susie Wilson Road, Suite B
Essex Jct., VT 05452

Register by fax: You may complete the form below and fax it to **866-378-7213**.

Register on the web:

www.vtruralwater.org

Seating is limited, so register early. Your cancelled check confirms your registration; you will only be notified if the course is cancelled.

Fees

Due to government support secured by VRWA, we are able to offer courses at a reduced rate. The actual training is free of charge, but all courses have a materials fee.

Cancellations / Refunds

If you will be unable to attend a class, you must contact our office at least 24 hours in advance to receive a refund.

Member rate

VRWA member systems receive a 20% discount. To join VRWA, call 800-556-3792 or visit www.vtruralwater.org.

Special needs

Please contact us at 800-556-3792 prior to your class if you have any special needs.

Credit

Training Contact Hours (TCHs) are awarded for all training courses. These are applicable for operator certification in Vermont. You must attend 100% of the course in order to receive TCHs. Course objectives determine whether credits are applicable to a water operator or a wastewater operator's certification; some courses apply to both types of certification. **All attendees will receive a record of TCHs earned after completing a course.** Reprints of lost TCH certificates are available for a fee.

Registration Form

Duplicate this form to sign up for more than one course.

Course Name _____

Date & Location _____

Attendee Name(s) _____

Facility/Business _____ **WSID#** _____

Address _____

City, State, Zip _____

Phone _____ Emergency Phone (for cancellations due to weather): _____

Email _____

Total Payment Enclosed _____ (VRWA members should subtract a 20% discount off the listed price. You must include the WSID# in the space provided above.) **Questions? Call 800-556-3792.**



20 Susie Wilson Rd., Ste. B
Essex Jct., VT 05452-2827
www.vtruralwater.org

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CURRENT RESIDENT OR

To view the most current training schedule, visit www.vtruralwater.org

Do not discard until March 31, 2012.

**IMPORTANT WATER & WASTEWATER OPERATOR
TRAINING ANNOUNCEMENT ENCLOSED**

The Vermont Rural Water Association Annual Conference and Trade Show will be held **May 2-3, 2012** at the Lake Morey Resort in Fairlee, VT. Come help us celebrate our 30th year of serving Vermont's rural communities!

SAVE THE DATE!



Water & Wastewater Training Calendar

Please post!

To sign up for a class, visit www.vtruralwater.org or call 800-556-3792.

January 2012

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|--|-------------------------|--|--------|----------|
| 1 | 2 | 3 | 4 | 5 Corrosion Control Tech. | 6 | 7 |
| 8 | 9 | 10 Corrosion Control Tech. | 11 | 12 VOSHA Personal Protective Equipment | 13 | 14 |
| 15 | 16 | 17 | 18 Mixing Potable Water | 19 Microbes and Chlorine Chemistry | 20 | 21 |
| 22 | 23 | 24 VOSHA Trenching and Excavation Safety | 25 | 26 Microbes and Chlorine Chemistry | 27 | 28 |
| 29 | 30 | 31 Traffic Control Flagger Certification | | | | |

February 2012

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|--------------------------|--|------------------------------|--------|----------|
| | | | 1 | 2 Water System Conservation | 3 | 4 |
| 5 | 6 | 7 VOSHA Machine Guarding | 8 | 9 Water System Conservation | 10 | 11 |
| 12 | 13 | 14 | 15 Deciphering Consumer Confidence Reports | 16 Water System Conservation | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | | | |

March 2012

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|---------------------------------------|--|---------------------------------------|---|--------|----------|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 VOSHA Electrical Safety | 8 Budgets and Rates | 9 | 10 |
| 11 | 12 Small System Class 2 Certification | 13 Hydraulics and Cross-Connection Control / Class 2 Certification | 14 Small System Class 2 Certification | 15 Small System Class 2 Certification | 16 | 17 |
| 18 | 19 | 20 Class 3/4 Certification | 21 Class 3/4 Certification | 22 Hydraulics and Cross-Connection Control / Distribution Certification | 23 | 24 |
| 25 | 26 | 27 Hydraulics and Cross-Connection Control / Class 3/4 Certification | 28 Class 3/4 Certification | 29 Distribution Certification | 30 | 31 |