

**JOINT ENVIRONMENTAL TRAINING COORDINATING COMMITTEE
(J.E.T.C.C.)
PO Box 487
Scarborough, Maine 04070-0487**

2010 SPRING Training Schedule

| <u>DATE</u> | <u>TOPIC</u> | <u>LOCATION</u> |
|-------------------------|---|---------------------------|
| February 10 | Universal/Hazardous Waste Management Training & Spill Prevention Containment and Countermeasures (SPCC) Update | Portland* |
| February 11 | WW Chemistry Lab Essentials | Lewiston* |
| February 23 | VFD Basics & Energy Savings with AC Drives <i>Sponsored by Motion Industries</i> | Augusta* |
| February 24 | From Water Quality to Enforcement | Bangor |
| March 3 | DEP Issues Briefing | Augusta* |
| March 10 | From Water Quality to Enforcement | Portland |
| March 17 or 18 | Ensuring a Sustainable Future: Energy Management for Wastewater & Water Utilities <i>Sponsored by EPA Region One & Efficiency Maine</i> | Presque Isle* Augusta* |
| March 23 | Understanding pH Systems | Saco |
| April 13, 20, 27, May 4 | Basic Wastewater Treatment (4 sessions) | Limestone |
| April 7 | Bearing Maintenance & Installation | Kittery* |
| April 7 | Chemical Handling & Reporting | Orono* |
| April 8 | Chemical Handling & Reporting | Ellsworth* |
| April 14 | Chemical Handling & Reporting | Paris* |
| April 9 & 16 | Wastewater Math for Grade 3 & 5 Exam <i>In cooperation with NEIWPC</i> | Portland |
| April 27, 28, 29 | Wastewater Collection System Systems <i>In cooperation with NEIWPC</i> | Bangor |
| May 4 | Cleaning Municipal Sanitary Sewer Force Mains by Pigging to Improve Hydraulic Capacity | Kennebunkport* |

All programs listed here are approved by ME DEP for Wastewater Operator certification renewal credits.

*Programs are approved by ME DHHS for Drinking Water Operator certification

Spring 2010 Training Courses

Universal/Hazardous Waste Management Training & Spill Prevention Containment & Countermeasures (SPCC) Update



Wednesday, February 10, 2010

Jeff Nixon Training Facility, Portland Water District, Portland, ME

8:30 a.m. - 3:30 p.m.

Sign-in begins at 8:00 a.m.

This seminar will provide tools for complying with Maine's universal waste and hazardous waste regulations for small quantity generators. Universal waste includes fluorescent lamps, mercury-containing devices, certain batteries and other items that may be present in water and wastewater treatment plants. Pertinent hazardous waste topics, such as solvent wipers and paint waste, will be addressed but large quantity hazardous waste generators would have to follow-up with facility-specific contingency plan training.

The session will also include an update on the recently revised Spill Prevention Control and Countermeasures (SPCC) rule. The Clean Water Act requires facilities with more than 1,320 gallons aboveground storage of *any* type of oil to implement a current SPCC plan. Participants will receive a model SPCC plan, federal guidance documents, and Maine-specific variations in oil/hazardous matter spill prevention and preparedness programs.

Leslie Arnson, owner of Arnson Environmental & Safety, will lead the seminar. With 20 years experience in the field, Leslie assists facilities with EPA/DEP environmental compliance, OSHA safety standards, and DOT hazardous materials requirements.

Instructor: Leslie Arnson, Arnson Environmental & Safety

Cost: \$95

Credits: 6 Training Contact Hours Approved for Water & Wastewater Operators

Course #: J1027
Registration Deadline
2/3/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

Check No. _____ or PO No. _____ or Credit Card _____
indicate Visa, MC or Discover

Credit Card # _____

3-digit code (Visa only) _____ Expiration _____ month/year
located on back of card

Name on Card _____

Signature Required _____ Date: _____

Mail Form and Payment to:

JETCC, PO Box 487, Scarborough, ME 04070-0487

Or fax with a purchase order to: 207/771-9028 or call 207/253-8020

PLEASE NOTE: Enrollment is on a first-come, first-served basis, so please return your application as soon as possible. Due to limited classroom space and the popularity of certain subjects, we often reach capacity. We appreciate you taking time to notify us if you cannot attend a course for which you have registered. This makes a big difference to someone else who requires the training. **THANK YOU!**

• **Checks/Money Orders:** Should be made payable to "JETCC Training." **Note New Policy:** There is a \$15.00 fee for checks returned due to insufficient funds.

• **Registration Deadline:** Please note registration deadline above. Registrations after this time will incur a \$15 late fee.

• **Cancellations/No Shows:** Seven days notice is required IN WRITING (mailed or faxed) for you to cancel at no cost. Cancellations received after this time will be charged \$25 for programs under \$100 and \$50 for programs over \$100. Registrants who do not cancel or who fail to show are responsible for full payment.

• **Credits:** Participants must attend ALL hours of training to be eligible for Training Contact Hours. TCHs are awarded upon completion of a course. The certificates are mailed to participants.

• **Use one form per person.** Photocopy this page for multiple registrants.

Wastewater Chemistry Lab Essentials



Thursday, February 11, 2010
Ramada Inn, Lewiston, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

This class will cover the basic theory needed to perform gravimetric analysis (TSS), volumetric analysis and titrations (alkalinity), spectrophotometric analysis (COD), and electronic measurements (pH and BOD).

The instructor will review the skills needed to perform these types of tests and will cover the essential quality controls.

Instructor: Matthew Sica, Maine Department of Health and Human Services

Cost: \$95

Credits: 6 Training Contact Hours Approved for Water & Wastewater Operators

Course #: J1028
Registration Deadline 2/4/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

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Spring 2010 Training Courses

VFD Basics and Energy Savings with AC Drives *(sponsored by Motion Industries)*



Tuesday, February 23, 2010
Augusta Civic Center, Augusta, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

In this course we will review the theory and basics of variable frequency drives (VFDs) and how they are applied in the wastewater industry to improve control and save energy. The instructors will compare the different VFDs on the market and where and when they should be used. After some basic hands-on programming, the course will cover some of the problems and pitfalls of AC drives along with the proper remedies including harmonics and how they affect electrical systems, the impact of VFDs on motor insulation, and the issues posed by VFD-induced electrical current on motor bearings.

Upon completion of the class, participants will more fully understand where and how proper drive selection can save energy and money. Whether you are considering replacement VFDs or general maintenance, knowing what to be aware of when installing AC drives and how to troubleshoot problems with existing AC drives, there are many frequently overlooked benefits of AC drive technology that you need to understand and appreciate. This class will answer your questions.

Instructors: James Legallo, ABB Low Voltage Drive Systems
Jason Richardson, Electro Static Technology
Jay Bradford, Motion Industries

Cost: \$95

Credits: 6 Training Contact Hours Approved for Water & Wastewater Operators

Course #: J1029
Registration Deadline
2/16/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

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From Water Quality to Enforcement



Wednesday, February 24, 2010
Bangor WWTF, Bangor, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

How does the state determine the limits in a permit? This class will explain a process that is critical and yet often confusing to those outside of state government.

From aquatic life to water quality classifications, there are many factors that dictate just what can be discharged into each of Maine's water bodies and how the limits in a permit are developed. This session will give you a chance to meet some of the DEP officials who can explain the logic behind the mystery. We will cover water quality, permitting, compliance, and enforcement.

Instructors: Susan Davies, Robert Stratton, Brian Kavanah, Matthew Hight & others TBA from Maine DEP

Cost: \$95

Credits: 6 Training Contact Hours Approved for Wastewater Operators

Course #: J1030
Registration Deadline
2/17/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

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Spring 2010 Training Courses

DEP Issues Briefing

Wednesday, March 3, 2010
State Fire Marshal's Office, Augusta, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

This session provides a forum for Maine DEP Division of Water Quality Management staff and water pollution control professionals from throughout the state to meet and discuss timely topics. This forum is an ideal opportunity to get up-to-date on DEP matters and the issues that affect the day-to-day operation of Maine's water pollution control facilities.

Topics of discussion will include:

- Commissioner's Remarks
- Energy Efficiency Issues
- Legislative Issues
- Management Candidate School
- Federal Stimulus Funding Update
- Marine Discharge
- Sustainable Infrastructure Funding
- Pharmaceuticals
- Phosphorus Rulemaking
- Compliance Issues
- Penobscot River Restoration Project
- Atlantic Salmon

If there is something else you wish to hear about prior to the March 3rd session please contact JETCC with your suggestion.



Instructors: Staff from Maine DEP & Maine DHHS

Cost: \$95

Credits: 6 Training Contact Hours Approved for Water and Wastewater Operators

Course #: J1031
Registration Deadline
2/24/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

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From Water Quality to Enforcement



Wednesday, March 10, 2010
Jeff Nixon Development Center, Portland Water District,
Portland, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

How does the state determine the limits in a permit? This class will explain a process that is critical and yet often confusing to those outside of state government.

From aquatic life to water quality classifications, there are many factors that dictate just what can be discharged into each of Maine's water bodies and how the limits in a permit are developed. This session will give you a chance to meet some of the DEP officials who can explain the logic behind the mystery. We will cover water quality, permitting, compliance, and enforcement.

Instructors: Susan Davies, Robert Stratton, Brian Kavanah, Matthew Hight & others TBA from Maine DEP

Cost: \$95

Credits: 6 Training Contact Hours Approved for Wastewater Operators

Course #: J1032
Registration Deadline
3/3/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

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Credit Card # _____

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Ensuring A Sustainable Future: Energy Management for Wastewater and Water Utilities

March 17, 2010 Northern Maine Community College –Presque Isle, Maine
 March 18, 2010 Le Club Calumet - Augusta, Maine

Registration and Refreshments 7:30-8:00 A.M.
Course Hours: 8:00 A.M. to 2:30 P.M.

Registration fee is \$65

Credits: 5.5 hours For Wastewater
5.5 hours For Drinking Water

This one day interactive workshop assists facilities to become more aware of the tools and incentives available to them to improve energy efficiency and reduce energy costs. Water and wastewater sector utilities face many challenges including: regulatory requirements, maintaining service standards, increasing population demands on an aging infrastructure, to name just a few. With rising energy costs, water and wastewater energy costs can be 30%-60% of a municipal energy bill.

The workshop will be facilitated by the UMass Lowell Center for Sustainable Production using EPA's Energy Management Guidebook for Wastewater and Water Utilities. Representatives of Efficiency Maine, local water and wastewater facilities, energy utilities, and other partners will be on hand to explain successful strategies for energy management, opportunities for cost effective energy assessment audits, and incentive programs. The EPA-NE Energy Team will introduce the Energy Star Portfolio Manager and invite attendees to a Portfolio Manager training session.

Workshop Agenda

| | |
|-------------|--|
| 7:30-8:00 | Registration and Refreshments |
| 8:00-8:15 | Welcome and Introductions EPA, Efficiency Maine, Maine DEP |
| 8:15-9:00 | What energy challenges do we face today? What have participants already done? What's missing? |
| 9:00-9:45 | Management Hands On Exercise: Assessing How Our Current System Supports Energy Improvements |
| 9:45-10:00 | <i>Break</i> |
| 10:00-10:15 | Overview of a Management System to Improving energy Management |
| 10:15-10:45 | Where to Start: Gathering Information on Energy Use and Costs - Jason Turgeon, USEPA |
| 10:45-11:30 | Energy Audits: First Steps in Better Energy Management - Guest Speaker, Efficiency Maine, Guest Speaker, TBD |
| 11:30-12:15 | Experiences in the Field - Guest speaker |
| 12:15-1:15 | Working Lunch Provided: Funding Opportunities and How to Access them |
| 1:15-1:45 | Establishing Energy Management Goals and Maintaining Energy Improvement Programs |
| 1:45-2:15 | What's Next - EPA Region 1 TBD |
| 2:15-2:30 | Workshop Take-Aways and Evaluations |

The Instructor: **Madeline Snow**,
 Director of the EMS Service
 Program

Madeline Snow, Director of the EMS Service Program, has expertise and experience in developing and auditing Environmental Management Systems in public transit, colleges, universities, and municipalities. She contributed to the development of Ensuring a Sustainable Future: An Energy Management Guidebook for Water and Wastewater Utilities for EPA. She spent 25 years in the Massachusetts Department of Environmental Protection in a variety of programs, including enforcement, water quality planning, waste site cleanup, emergency response, and strategic planning. She holds a B.A. in Biology and Environmental Studies from New College of Florida and an M.P.A. from Harvard University's Kennedy School of Government.



Ensuring A Sustainable Future: Energy Management for Wastewater and Water Utilities

Registration Form

Registration fee is \$65

NOTE: Please register by March 10, 2010 to avoid additional \$15 late fee.



Please select which session you wish to attend

March 17, 2010 Northern Maine Community College – Presque Isle, Maine #JETCC1015

March 18, 2010 Le Club Calumet - Augusta, Maine #JETCC1016

Name: _____ Company: _____

Street Address: _____

City/Town: _____ State: _____ Zip: _____

Tel: _____ Fax: _____

Email: _____

WW Op License # _____ DW Op License # _____

Indicate Method of Payment

Amount Enclosed \$ _____ Check # _____

Purchase Order # _____ or Credit Card _____

Visa MC Discover

Credit Card Number _____

(3 digit code located on back of card (Visa only) _____ Expiration _____

Name on Card _____

Signature _____ Date _____

Please answer the following to help us tailor the program to your interests:

1. Please indicate which best describes you:

Wastewater Utilities Manager / Staff Water Utilities Manager / Staff

Public Works Director State Agency Specify: _____

Other - Specify: _____

2. What energy conservation or reduction programs are you (the utility) currently implementing?

3. Have you done an energy audit? Yes No

4. Are you currently considering or using renewable energy sources in your operations?

Yes No

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JETCC, P.O. Box 487, Scarborough, Maine 04070-0487

Or fax with a purchase order to: (207) 771-9028 or call (207) 253-8020

Spring 2010 Training Courses

Understanding pH Treatment Systems*

Tuesday, March 23, 2010
General Dynamics, Saco, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

*Due to security at this location, participation in this class is restricted to U.S. citizens

This interactive training session will explore the basics of pH and include several demonstrations and hands-on activities related to the specification, installation, and maintenance of pH treatment system components such as mixers, controllers, sensors and pumps. We will also discuss case studies of unique applications and troubleshooting techniques.

Topics include the effects of high/low solution pH on collection systems and the POTW, how to adjust solution pH, proper care and maintenance of the pH sensor, mixing techniques, metering pump principles, buffering pH waste streams, and alternate reagent sources such as carbon dioxide and magnesium hydroxide. Flow and pH regulatory monitoring requirements and options will also be discussed.



Instructors: Ed Simpson, Jim Pearson, Mike Pilcher & Ron Belling, Burt Process Tom Swiatek, Cleveland Eastern Mixers Kevin Buchanan, George Fischer Signet

Cost: \$95 (lunch & refreshments sponsored by General Dynamics)

Credits: 6 Training Contact Hours Approved for Wastewater Operators

Course #: J1033
Registration Deadline
3/16/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

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Basic Wastewater Treatment (4 Sessions)

Tuesdays, April 13, 20, 27 and May 4, 2010
Limestone, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

This course provides thorough instruction in how to safely and effectively operate and maintain a wastewater treatment plant, and is an excellent means of preparing for the Maine Wastewater Operator 1 and 2 exam. Through a combination of classroom presentations and tours of the treatment facilities, a wide variety of topics will be covered, including the reasons why waste must be treated, the roles and responsibilities of a treatment plant operator, the use of safe practices and procedures, and the equipment and processes used in wastewater facilities. Participants will learn how to operate and maintain racks, screens, comminutors, sedimentation tanks, trickling filters, rotating biological contactors, package activated sludge plants, oxidation ditches, ponds, and chlorination facilities. Other subjects to be covered include how to analyze and solve operational problems and how to perform mathematical calculations relating to wastewater treatment process control. All participants will receive *Operation of Wastewater Treatment Plants, Volume 1*, prepared by California State University, Sacramento



Instructors: Staff from Maine DEP, Local Water Pollution Control Facilities, and Industry Consultants

Cost: \$250 (includes manual)

Credits: 24 Training Contact Hours Approved for Wastewater Operators

Course #: J1037
Registration Deadline 4/6/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

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Bearing Maintenance and Installation

Wednesday, April 7, 2010
Kittery Town Hall, Kittery, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

This seminar provides a foundation in the basic operating characteristics of anti-friction roller bearings including proper use, mounting procedures, and inspection. The instructors will explain proper fits, clearances, and tolerance levels, as well as load and life calculations. The seminar will begin with a review of bearing functions, characteristics, capacities, applications, and lubrication guidelines, then will focus on damage analysis. Using a "hands-on" training rig, the instructors will explain the practice of bearing installation and removal. They will conclude by highlighting various methods of monitoring the condition of bearings. Proper care and handling will be emphasized throughout the seminar.



Instructors: Randall A. Pamer & Rich Miskell, The Timken Company
Dmitri Krugovykh, Emerson Process Equipment and
Travis Baker, Motion Industries

Cost: \$95

Credits: 6 Training Contact Hours Approved for Water & Wastewater Operators

Course #: J1034
Registration Deadline
3/31/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

Check No. _____ or PO No. _____ or Credit Card _____
indicate Visa, MC or Discover

Credit Card # _____

3-digit code (Visa only) _____ Expiration _____ month/year
located on back of card

Name on Card _____

Signature Required _____ Date: _____

Mail Form and Payment to:

JETCC, PO Box 487, Scarborough, ME 04070-0487

Or fax with a purchase order to: 207/771-9028 or call 207/253-8020

PLEASE NOTE: Enrollment is on a first-come, first-served basis, so please return your application as soon as possible. Due to limited classroom space and the popularity of certain subjects, we often reach capacity. We appreciate you taking time to notify us if you cannot attend a course for which you have registered. This makes a big difference to someone else who requires the training. THANK YOU!

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• **Credits:** Participants must attend ALL hours of training to be eligible for Training Contact Hours. TCHs are awarded upon completion of a course. The certificates are mailed to participants.

• Use one form per person. Photocopy this page for multiple registrants.

Spring 2010 Training Courses

Chemical Handling, Reporting and Emergency Preparedness

Wednesday, April 7, 2010
Orono Municipal Building, Orono, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

Many chemicals and substances in water and wastewater facilities are considered hazardous, and hence there are thorough safety, storage, and reporting procedures that must be followed. But deciphering the rules, guidelines, and documentation can be difficult. The instructors will review what chemicals need to be reported and why, as well as explain EPCRA, CERCLA, the List of Lists, and other associated tools and resources that are available. Through interactive exercises you will learn the roles of various state agencies as well as how to use the MSDS sheets, the Emergency Response Guidebook, and the NIOSH Pocket Guide. Upon completion of the class, you will have the skills to establish the objectives of and implement an Emergency Operations Program (EOP) for your facility. You will also learn how to monitor the progress of your EOP and create instructional tabletop exercises with coworkers.



Instructors: Robert Gardner, MEMA
Jim Gaffey, US EPA

Cost: \$95

Credits: 6 Training Contact
Hours Approved for
Water & Wastewater
Operators

Course #: J1035
Registration Deadline
3/31/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

Check No. _____ or PO No. _____ or Credit Card _____
indicate Visa, MC or Discover

Credit Card # _____

3-digit code (Visa only) _____ Expiration _____ month/year
located on back of card

Name on Card _____

Signature Required _____ Date: _____

Mail Form and Payment to:

JETCC, PO Box 487, Scarborough, ME 04070-0487

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Spring 2010 Training Courses

Chemical Handling, Reporting and Emergency Preparedness

Thursday, April 8, 2010
Ellsworth City Hall, Ellsworth, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

Many chemicals and substances in water and wastewater facilities are considered hazardous, and hence there are thorough safety, storage, and reporting procedures that must be followed. But deciphering the rules, guidelines, and documentation can be difficult. The instructors will review what chemicals need to be reported and why, as well as explain EPCRA, CERCLA, the List of Lists, and other associated tools and resources that are available. Through interactive exercises you will learn the roles of various state agencies as well as how to use the MSDS sheets, the Emergency Response Guidebook, and the NIOSH Pocket Guide. Upon completion of the class, you will have the skills to establish the objectives of and implement an Emergency Operations Program (EOP) for your facility. You will also learn how to monitor the progress of your EOP and create instructional tabletop exercises with coworkers.



Instructors: Robert Gardner, MEMA
Jim Gaffey, US EPA

Cost: \$95

Credits: 6 Training Contact
Hours Approved for
Water & Wastewater
Operators

Course #: J1036
Registration Deadline
4/1/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

Check No. _____ or PO No. _____ or Credit Card _____
indicate Visa, MC or Discover

Credit Card # _____

3-digit code (Visa only) _____ Expiration _____ month/year
located on back of card

Name on Card _____

Signature Required _____ Date: _____

Mail Form and Payment to:

JETCC, PO Box 487, Scarborough, ME 04070-0487

Or fax with a purchase order to: 207/771-9028 or call 207/253-8020

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Spring 2010 Training Courses

Chemical Handling, Reporting and Emergency Preparedness

Wednesday, April 14, 2010
South Paris Fire Station, South Paris, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

Many chemicals and substances in water and wastewater facilities are considered hazardous, and hence there are thorough safety, storage, and reporting procedures that must be followed. But deciphering the rules, guidelines, and documentation can be difficult. The instructors will review what chemicals need to be reported and why, as well as explain EPCRA, CERCLA, the List of Lists, and other associated tools and resources that are available. Through interactive exercises you will learn the roles of various state agencies as well as how to use the MSDS sheets, the Emergency Response Guidebook, and the NIOSH Pocket Guide. Upon completion of the class, you will have the skills to establish the objectives of and implement an Emergency Operations Program (EOP) for your facility. You will also learn how to monitor the progress of your EOP and create instructional tabletop exercises with coworkers.



Instructors: Robert Gardner, MEMA
Jim Gaffey, US EPA

Cost: \$95

Credits: 6 Training Contact
Hours Approved for
Water & Wastewater
Operators

Course #: J1038
Registration Deadline
4/7/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

Check No. _____ or PO No. _____ or Credit Card _____
indicate Visa, MC or Discover

Credit Card # _____

3-digit code (Visa only) _____ Expiration _____ month/year
located on back of card

Name on Card _____

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Spring 2010 Training Courses

Math Review for Grades III - V Exam

(in cooperation with NEIWPCC)

Fridays, April 9 and 16, 2010

Jeff Nixon Development Center, Portland Water District, Portland, ME

8:30 a.m. - 3:30 p.m.

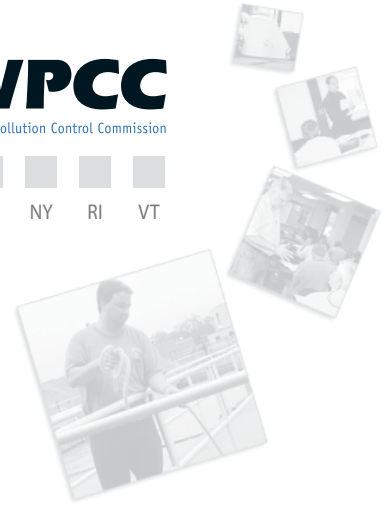
Sign-in begins at 8:00 a.m.

This two-day course is designed for Grades III to V to help students understand the basic math skills utilized by Grade III - V Operators in a variety of wastewater treatment operations.

Through review and practice, the class identifies the calculations and conversions required to solve math problems for both daily application and in preparation for the state's wastewater treatment plant operator certification exam. The instructor will assist you in feeling more comfortable in solving math problems. The state's formula sheet and workbook with typical math problems found on the certification exam will be provided.

Students will practice for solving problems for volume, detention time, F/M, flow (Q), MCRT (mean cell residence time), sludge handling, horsepower and basic electrical problems as well the math involved in lab analysis.

A scientific calculator is needed for this course.



Instructor: Charles Conway, NEIWPCC

Cost: \$190 (lunch included)

Credits: 12 Training Contact Hours Approved for Wastewater Operators

Course #: ETC1049
Registration Deadline
4/2/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Wastewater License # _____ State _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

RI or CT qualified check box MWPCA # _____

Indicate method of payment Amount Enclosed \$ _____

Check No. _____ or PO No. _____ or Credit Card _____
indicate Visa, MC or Discover

Credit Card # _____

3-digit code (Visa only) _____ Expiration _____
located on back of card month/year

Name on Card _____

Signature Required _____ Date _____

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• Registration Deadline: You must register at least seven days in advance of the first day of the course. Registrations after this time will incur a \$15 late fee.

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• Use one form per course. Photocopy this page to apply for multiple courses.

Mail Form and Payment to: NEIWPCC - Training; 116 John Street; Lowell, MA 01852-1124
Phone: 978/323-7929 or fax with a purchase order to: 978/323-7919. Registrations CANNOT be completed over the phone. Hard copies must be faxed/mailed.

Spring 2010 Training Courses

Operation & Maintenance of Wastewater Collection Systems

(followed by optional NEWEA exam)
(in cooperation with NEIWPC)



Tuesday-Thursday, April 27-29, 2010
Bangor WWTF, Bangor, ME
8:30 a.m. - 3:30 p.m.
Sign-in begins at 8:00 a.m.

Communities must properly manage, operate, and maintain wastewater collection systems to prevent sanitary sewer overflows, contamination of groundwater, and the spread of waterborne diseases. In this two-and-a-half day course, participants will receive basic to intermediate instruction in all aspects of collection system O&M.

Students must bring a basic calculator.



IN ORDER TO TAKE THE EXAM, YOU MUST APPLY DIRECTLY TO NEWEA. You do not need to take the course to take the exam. Exam forms can be downloaded at: <http://www.newea.org/volcert.htm> or by phone at 781-939-0908

Instructors: Don Kennedy & James LaLiberte, NEIWPC

Cost: \$220 (lunch included)

Credits: 15 Training Contact Hours Approved for Wastewater Operators

Course #: ETC1050
Registration Deadline
4/13/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Wastewater License # _____ State _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

RI or CT qualified
check box MWPCA # _____

Indicate method of payment Amount Enclosed \$ _____

Check No. _____ or PO No. _____ or Credit Card _____
indicate Visa, MC or Discover

Credit Card # _____

3-digit code (Visa only) _____ Expiration _____
located on back of card month/year

Name on Card _____

Signature Required _____ Date _____

Mail Form and Payment to: NEIWPC - Training; 116 John Street; Lowell, MA 01852-1124
 Phone: 978/323-7929 or fax with a purchase order to: 978/323-7919. Registrations CANNOT be completed over the phone. Hard copies must be faxed/mailed.

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Spring 2010 Training Courses

Cleaning Municipal Sanitary Sewer Force Mains by Pigging to Improve Hydraulic Capacity & Energy Efficiency

Tuesday, May 4, 2010

Kennebunkport Fire Station, Kennebunkport, ME

8:30 a.m. - 3:30 p.m.

Sign-in begins at 8:00 a.m.

Municipal and industrial forced sewers have long been neglected due to the difficulty of cleaning them via traditional means. Pipeline pigging is a method of cleaning the inside of an existing pressure pipe to remove debris and tuberculation thus increasing hydraulic capacity and reducing energy cost by forcing a specially calibrated polyurethane "pig" through the length of the pipeline. Pipelines of virtually any size and length can be cleaned using the pigging process and often increases in flows of 200-300 percent are seen. With the cost of energy steadily increasing and budgets steadily decreasing, pigging of municipal forced sewer mains can often pay for itself in energy savings and extended pumping system life.



Instructors: Matt Timberlake and Jack Berry, Ted Berry Company, Inc.

Cost: \$95

Credits: 6 Training Contact Hours
Approved for Water and Wastewater Operators

Course #: J1039
Registration Deadline
4/27/2010

Registration Form

Course Title _____ Course # _____

Your Name _____

Company/Facility _____

Street _____

City/Town _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail _____

WW Operator # _____ DW Operator # _____

Indicate method of payment

Amount Enclosed \$ _____

Check No. _____ or PO No. _____ or Credit Card _____
indicate Visa, MC or Discover

Credit Card # _____

3-digit code (Visa only) _____ Expiration _____ month/year
located on back of card

Name on Card _____

Signature Required _____ Date: _____

Mail Form and Payment to:

JETCC, PO Box 487, Scarborough, ME 04070-0487

Or fax with a purchase order to: 207/771-9028 or call 207/253-8020

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