



Pipes, Pumps, Plugs, and Pigging for Peak Performance

Tuesday, October 19, 2021
 Caribou Utilities District, Caribou, ME
 8:00 a.m. - 3:00 p.m.
 Sign-in begins at 7:30 a.m.

Wednesday, October 20, 2021
 Bangor WWTF, Bangor, ME
 8:30 a.m. - 3:30 p.m.
 Sign-in begins at 8:00 a.m.

Monday, October 25, 2021
 York Sewer District, York, ME
 8:30 a.m. - 3:30 p.m.
 Sign-in begins at 8:00 a.m.

Course #: J2203

Course #: J2204

Course #: J2205

Registration Deadline: 10/12/21

Registration Deadline: 10/13/21

Registration Deadline: 10/18/21

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 costs. High velocity jetting, vacuuming, and pigging are also effective methods for cleaning lines, pipes, and manholes to assess condition or needed repairs.

By focusing on the relationship between pipes, pumps, plugs, and pigs in a water and wastewater system, participants will better understand existing conditions and troubleshoot issues in order to maintain systems at peak performance.

The key concepts of force, pressure, coefficients of flow, head, static pressure, elevation loss and gain will be demonstrated.

Because this class will involve outdoor activity, participants should arrive with:

- Appropriate PPE
- Hard hat
- Steel Toed Boots
- Safety Glasses
- Gloves
- Outdoor clothing

Co-Sponsored by:



Instructor: Jack Berry, Vortex Companies

Cost: \$120

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



Funding provided in part by the Maine Drinking Water Program

To register online with a credit card, go to www.jetcc.org/schedule.php

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 _____ Expiration _____ month/year
located on back of card

Name on Card _____

Signature Required _____ Date: _____

Mail Form and Payment to:

JETCC, 584 Main Street, South Portland, ME 04106

Or email with purchase order to: info@neiwppcc-jetcc.org

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

IMPORTANT COVID-19 INFORMATION FOR THIS IN-PERSON COURSE: NEIWPCCC-JETCC follows Centers for Disease Control (CDC) and State of Maine guidelines for COVID-19 precautions. Current CDC guidance indicates wearing masks for indoor spaces, regardless of vaccination status. While we anticipate the majority of the course will take place outdoors, **all participants** should bring and be prepared to wear a mask for all indoor portions of the course. We recognize the COVID-19 pandemic is a dynamic situation and we will notify registrants of any needed changes as soon as possible. NEIWPCCC-JETCC reserves the right to reduce class size, postpone, cancel, or make other modifications to the course as may be needed to comply with CDC/State guidance.

Enrollment is on a first-come, first-served basis. 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.

• **Checks/Money Orders:** Should be made payable to "JETCC Training."

• **Returned Check Policy:** There is a \$15 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.