

Wastewater Pumps & Hydraulics

Tuesday-Wednesday, April 23-24, 2019
 Syracuse Metro WWTP, Syracuse, NY
 8:30 a.m. – 3:30 p.m. Sign-in begins at 8:00 a.m.

An understanding of hydraulic principles is critical to the management of collections systems and the operation of wastewater treatment plants. This two-day course covers the operation and maintenance of pumps, and the hydraulic principles behind them, in a straightforward manner.

Topics include pump types, parts, packing and adjustments, reading and using pump curves, motor principles and theory of operation, and horsepower and electrical calculations. In addition, participants will learn about mechanical seal failures, operational troubleshooting, and maintenance of bearings and couplings.



Bring your calculator to each class!

*Pumps and Pumping, Skeet Arasmith, ACR Publications will be used in this class.

Instructor: Don Kennedy, NEIWPC
Cost: \$220 (course only)
 \$290 (course & book)*
 (lunch is included)
Credits: 12 TCH
Course #: ETC1762



CLICK HERE TO REGISTER ONLINE

Course Title _____ Course # _____
 Your Name _____
 Wastewater License # _____ State _____
 Company/Facility _____
 Street _____
 City/Town _____ State _____ Zip _____
 Telephone _____ Fax _____
 E-mail _____
 Emergency Contact Phone Number (cell or home) _____
 (in case of class cancellation/instructor illness, etc.)
 Indicate method of payment _____ Amount Enclosed \$ _____
 Check No. _____ or PO No. _____ or Credit Card _____
 indicate Visa, MC or Discover
 Credit Card # _____
 CVV or SEC code _____ Expiration _____ / _____
 located on back of card month year
 Name on Card _____
 Signature Required _____ Date _____

PLEASE NOTE: Enrollment is on a first-come, first-served basis, so please return your application as soon as possible. We appreciate you taking time to notify us if you cannot attend a course for which you have registered.

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

• **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.

• **Cancellations/No-Shows:** Seven days notice is required for you to cancel at no cost. Cancellations received after this time will be charged \$25 for programs under \$125 and \$50 for programs over \$125. Registrants who do not cancel and who fail to show are responsible for full payment.

• **Credits:** Students are responsible for signing in at the beginning of every class, and signing out at the end of every class, in order to receive their certificate/TCHs. Students who do not sign in or out will not receive any TCHs. Multi-day classes require sign-in and sign-out each day of class. Students must attend 50% of the class in order to receive TCHs for the time they were present. Certificates of attendance, documenting TCHs awarded, will be emailed within 10 business days of the completion of the class.

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

• NEIWPC reserves the right to postpone, reschedule or cancel any course as attendance dictates.

Mail form and payment to:
 NEIWPC - Training; 650 Suffolk St., Ste. 410, Lowell, MA 01854
 Or fax with a purchase order to: (978) 323-7919. Registrations **CANNOT** be completed over the phone. Hard copies **MUST** be mailed, emailed or faxed.