

ANNOUNCEMENT

of

Upcoming Training

Sponsored by:

Michigan Department Natural Resources and Environment
Michigan Section, AWWA

Advanced Electricity Gull Lake August 24-26, 2010 \$425.00

This course is designed to enhance fundamental knowledge of basic electricity, electrical components, electrical and instrumentation measurement, and electrical and instrumentation troubleshooting. Class size will be limited to approximately 30 individuals to ensure that all questions, discussions, and hands-on training are adequately provided for. Each student should bring an appropriate test meter to measure volts, amps, and ohms. Some of the topics that will be included are alternating current, plant emergency systems, understanding and studying single and three phase circuits, transformers, recognition of higher voltages and the dangers, motors, starters and blue print reading, power factor and understanding instrumentation control loops. Certified drinking water and municipal wastewater operators satisfactorily completing this course may be awarded 1.8 continuing education credits (CEC's) in the "Technical" category. **It is strongly recommended that students take or have taken the Basic Electricity Course prior to enrolling in the Advanced Electricity Course.**

Advanced Cross Connection Seminar Lansing Sept. 9, 2010 \$70.00

The purpose of this seminar is to teach the principles of cross connection control as they relate to public water supply systems. The need for continued training in the field of cross connection control in Michigan is readily apparent given the major incidents of backflow that have occurred in water utilities in recent years. Cross connections on public water supply distribution systems continue to pose a distinct threat to the potability of the water supply. Certified drinking water operators may receive 0.5 CEC's in the "Technical" category. The seminar can be repeated within your renewal cycle for full credit due to the agenda changing each year.

Basic Math & Hydraulics Gull Lake August 24-26, 2010 \$325.00 **Higgins Lake September 13-15, 2010 \$325.00**

This course is being offered to allow water utility personnel an opportunity to acquire basic information in the subjects of math and hydraulics. Course topics include: use of a calculator, operational math, calculation of areas and volumes, velocity and rates, basic hydraulics, weight, density, specific volume, pressure calculations, chlorination calculations, etc... Certified drinking water and municipal wastewater operators satisfactorily completing this course may be awarded 1.8 continuing education credits (CEC's) in the "Technical" category.

Distribution Short Course Higgins Lake September 13-15, 2010 \$325.00 **Gull Lake October 5-7, 2010 \$325.00**

This course is being offered to allow water utility personnel an opportunity to acquire basic information in subjects important to distribution systems. Course topics include: water mains, bacti sampling and analysis, pipeline appurtenances, safety, distribution system rules, tapping, service line, meters, cross connection, system operation, maintenance and special problems, winter maintenance, pumps motors, well houses and chlorination. Certified drinking water operators satisfactorily completing this course may be awarded 1.8 continuing education credits (CEC's) in the "Technical" category.

Limited Treatment Gull Lake October 5-7, 2010 \$325.00

This course is offered to allow water utility personnel an opportunity to acquire basic information in the subjects important to limited treatment systems. This course will cover topics including; basic math, chlorination, fluoridation, safety, iron removal, wells and pumps and miscellaneous treatment. Certified drinking water operators satisfactorily completing this course may be awarded 1.8 continuing education credits (CEC's) in the "Technical" category.

Please register for the following courses using the form attached or for more information go to the MI-AWWA website at <http://www.mi-water.org>

Registration Form

Drinking Water Operator Training Courses & Activities
Operator Training and Certification Unit
and the
Michigan Section, AWWA

Return this registration form and your check made payable to:

Michigan Section, AWWA, P.O. Box 16337, Lansing, MI 48901-6337

Please fill out one registration form per person per activity. If more than one registration form is needed, this form can be photocopied. Registration forms and payment are requested prior to the registration deadline. If the activity is full, you will be notified and your registration fee may then be returned in full or you may register for another course.

Cancellation Policy If you cannot attend the seminar for which you are registered, please send a substitute. Fax information about a substitute to (517) 241-0325. If no one from your organization can attend, you will be entitled to a refund according to the following schedule.

If cancelled:

14 days or more before the seminar date	75% Refund
13 days before and through the date of the seminar/no show	No Refund

Please do not use this registration form for Drinking Water or Wastewater Exams

Please type or print legibly

Name: _____
Last First MI

Operator ID # _____ E-mail Address: _____

Organization: _____ WSSN: _____

Mailing Address: _____

Telephone () _____ FAX () _____

Name of activity you wish to attend: _____

Location of activity: _____

Date you would like to attend this activity: _____

Registration fee enclosed: _____

Registration fees are per person. Unless otherwise noted, confirmations with a map to the facility or suitable directions will be sent or made available to those registering by the deadline. When provided, name tags and registration materials, meal tickets, etc. may be picked up at the registration desk the day of the meeting.

For office use only:

Amount Paid: _____ Date Paid: _____ Payment Reference: _____