



## **The PA-AWWA and WWOAP Training Zone Presents:**

### **MODULE 20: CORROSION CONTROL AND SEQUESTERING (SUBCLASS 7)**

**5 PA DEP CONTACT HOURS (Water and Wastewater)**

**Instructor: Maurice DeLisle, Project Mgr. For Universal Technical Resource Services, Inc.**

**DATE:** Thursday, October 2, 2014

**Registration:** 8:15 A.M. **Workshop:** 8:30 A.M. – 3:00 P.M.

**LOCATION:** Lehigh County Authority/Allentown Filtration Plant

Each system has unique water quality issues. The lead and copper rule requires systems to evaluate source water and, when necessary, provide an effective corrosion control program. The primary purpose of this course, Module 20: Corrosion control and Sequestering, is to introduce students to the various corrosion control chemicals. However, before the chemicals can be discussed, the workshop first addresses the Lead and Copper Rule with monitoring provisions and action level exceedance guidance. A chemistry review will help students understand corrosion principles and corrosion treatment theory. Additionally, chemical feed systems will be addressed as well as chemical fee calculations. Ultimately, the purpose of this workshop is to provide students with the necessary study materials for the Corrosion Control and Sequestering (subclass 7) certification examination.

Course content:

- 1. The lead and Copper Rule**
  - Overview of corrosion control and the lead and copper rule regulations
  - Sampling Protocol
- 2. Corrosion Principles and Theory**
  - Chemistry Review
  - Corrosion Treatment Theory
- 3. Corrosion Control Chemicals**
  - pH/Alkalinity Adjustment Chemicals
  - Corrosion Inhibitors
- 4. Chemical Feed Systems**
  - Components of a Liquid Chemical Feed System
  - Components of a Dry Feed System
  - Chemical Feed System Calculations
  - Pump Calibrations

**REGISTRATION FORM FOR THE CORROSION CONTROL COURSE**  
(Photo ID required at door)

**Please complete one form per attendee**

**ATTENDEE FEE**      \_\_\_ \$90 (AWWA & WWOAP Members)      \_\_\_ \$110 (NON-MEMBERS)

**Fee includes: TRAINING, BOX LUNCH and REFRESHMENTS**

NAME: \_\_\_\_\_

UTILITY/COMPANY: \_\_\_\_\_

PA DEP Operator Client ID # \_\_\_\_\_

TITLE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY/STATE/ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

EMAIL: \_\_\_\_\_

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**Date:** Thursday, October 2, 2014  
**Time:** 8:15am Registration, 8:30am-3pm Training  
**Location of Workshop:** Lehigh County Authority/Allentown Filtration Plant  
**Address:** 1300 Martin Luther King Jr. Drive  
Allentown, PA. 18102 (use mapquest for directions)

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**Method of Payment:** (Confirms registration)  
Attendee Fee: \$90.00 PA-AWWA and WWOAP members, \$110 non-member

**\*Note:** There will be an additional \$25 fee for on-site registration.

Make checks payable to **PA-AWWA**.

**Mail** Registration and Payment to **PA-AWWA, P. O. Box D, New Cumberland, PA 17070**

**Fax** Registration with Credit Card information to: (717) 774-0288

Total Payment \$ \_\_\_\_\_

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Personal Check | <input type="checkbox"/> Company Check | <input type="checkbox"/> Government P.O.  |
| <input type="checkbox"/> Master Card    | <input type="checkbox"/> Visa          | <input type="checkbox"/> American Express |

Credit Card No. \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_

Special Needs \_\_\_\_\_

All cancellations must be received in writing, on company letterhead, and sent to the PA-AWWA. All cancellations received 14 days prior to the event will receive a REFUND less a 25% administrative fee; fewer than 14 days prior to the event, no refunds will be granted. Substitute registrants are welcome - fax substitution requests to 717-774-0288.      [www.paawwa.org](http://www.paawwa.org)