

48th Annual Water Workshop & Exhibition

March 23 - 24, 2010



Ancient Water Treatment Facility

The Ramada Plaza Hotel
& Conference Center
4900 Sinclair Road * Columbus OH 43229
(614) 846-0300



Operator Training Committee of Ohio, Inc.
a USEPA 109(b) "Environmental Training Center"
3972 Indianola Ave. * Columbus, OH 43214
(614) 268-6826 * (614) 268-3244 Fax
www.ohiowater.org



REGISTRATION FEE

\$285.00 on or before 3/19/10.

\$310.00 after 3/19/10.

TABLETOP EXHIBITS

Tabletop exhibits will be available and includes lunch for two (2) attendees

OHIO EPA CONTACT HOURS

Up to **12.0** Ohio EPA Contact Hours may be obtained by attending the entire workshop.

STATE BOARD OF SANITARIANS

In 2005, OTCO became an approved training provider for Sanitarians in the State of Ohio.

UNION EDUCATION TRUST

Since 2001, OTCO has been an approved training provider under Union Trust.

REFUNDS

Cancellations received on or before 3/19/10, will receive a full refund. Cancellations after 3/19/10 and until the day of the workshop are subject to a \$50.00 service charge. If your registration is not prepaid, you will be invoiced. Substitutions are permitted.

NO REFUND FOR THOSE WHO REGISTER AND FAIL TO ATTEND.

WORKSHOP LOCATION

The Ramada Plaza Hotel & Conference Center - located west of I-71 at exit #116 and just north of Morse Road.

HOTEL ACCOMODATIONS

\$82 single or double occupancy

For room reservations at the Ramada Plaza Hotel and Conference Center, call the hotel directly at (614) 846-0300. Please state you will be attending the OTCO workshop.

AVAILABLE IN 2010

Pretreatment Workshop: \$155

Wastewater Contact Hours: 6.00

May 11, 2010 Columbus, Ohio

Wastewater Laboratory Workshop: \$155

Wastewater Contact Hours: 6.00

May 12, 2010 Columbus, Ohio

Water Laboratory Workshop: \$155

Water Contact Hours: 6.00

May 13, 2010 Columbus, Ohio

Class III/IV Water & Wastewater: \$285

Water Contact Hours: 12.00

Wastewater Contact Hours: 12.00

August 17-18, 2010 Columbus, Ohio

Water Distribution Workshop: \$285

Water Contact Hours: 12.00

December 8-9, 2010 Columbus, Ohio

Procrastinators Workshop: \$285

Water Contact Hours: 12.00

Wastewater Contact Hours: 12.00

December 14-15, 2010 Columbus, Ohio

WORKSHOP NOTES

Individual presentation for both days will be individually approved; therefore if you are not present during a presentation, you can still receive contact hours for the portion you attend.

Ohio EPA certified operator's whose renewals are due on 11/30/2010 **MUST** obtain at least **50%** Ohio EPA approved training designated as Operation and Maintenance (OM). OTCO's Water Workshop traditionally have been more than 70% O&M. This 2010 workshop is over **75%** O&M.

Water Workshop Agenda

Tuesday, March 23, 2010

Moderator: Tyrone Butler

- 7:30 am Registration/ Coffee/ Pastries
- 7:50 am Welcome & OTCO Update
Curtis L. Truss Jr., Executive Director
- 8:00 am Ohio EPA Update
Mike Baker, Ohio EPA Chief Drinking & Groundwater
- 8:15 am Experience Credit
Pat Antonelli & Curtis Truss Jr.
OTCO
- 9:00 am Process Chemistry Relationships for Precipitative Softening and Recarbonation
Marvin Gnagy, Brown and Caldwell
- 9:45 am MORNING BREAK
- 10:00 am Water Quality Management
Bob Matthey, Utility Service Company, Inc.
- 10:45 am WTP Benefits of Packaged Pump Stations
Ed Dunn, Precision Systems
- 11:30 am LUNCH (provided)
- 12:30 pm Make Sure Your Clearwell Is Not Limiting the Approved Capacity of your WTP
Tim Wolfe, MWH
Nick Pizzi, EE&T
- 1:15 pm Approved Capacity Document
- 2:00 pm AFTERNOON BREAK
- 2:15 pm Approved Capacity Document Continued...
John Arduini, Jeff Davidson, Kirk Leifheit, Ohio EPA
- 3:45 pm Adjourn

March 23, 2010 Total contact hours = 6.00

Ground Water Agenda

Wednesday, March 24, 2010

Moderator: Ernie Stickler

- 7:30 am Registration/ Coffee/ Pastries
- 8:00 am Welcome & OTCO Update
Curtis L. Truss Jr., Executive Director
- 8:15 am Operator Certification Update
Andy Barienbrock, Ohio EPA Operator Certification Unit
- 9:00 am New Approach to Iron and Manganese Removal
Mike Burris, Malcolm Pirmie
- 9:45 am MORNING BREAK
- 10:00 am Planning and Following Up After A Well Cleaning Event
Stuart Smith, Ground Water Science LLC
- 10:45 am Works Municipal & Industrial Electrical System Basics, Trouble-Shooting and Diagnostic Practices
Andrew Holtom & Craig Kasper, Hull & Associates, Inc.
- 11:30 am LUNCH (provided)
- 12:30 pm On-site Sodium Hypochlorite Generation Systems 101: An Overview of the Technology and Application
Joel Neulight, Severn Trent Service
- 1:15 pm Economic Benefits of Flexible Drop Pipe
Tanner Tryon, Hose Solution, Inc.
- 2:00 pm AFTERNOON BREAK
- 2:15 pm Solar Mixing to Improve Reservoir Water Quality
Wayne Ruzicka, AEROMIX
- 3:00 pm Taste and Odor In Alliance: What We Have Learned
Dr. Dean Reynolds, City of Alliance
- 3:45 pm Adjourn

March 24, 2010 Total contact hours = 6.00

Surface Water Agenda

Wednesday, March 24, 2010

Moderator: Tim Hayslip

- 7:30 am Registration/ Coffee/ Pastries
- 8:00 am Welcome & OTCO Update
Curtis L. Truss Jr., Executive Director
- 8:15 am Operator Certification Update
Andy Barienbrock, Ohio EPA Operator Certification Unit
- 9:00 am Corrosion Control Case / History from Water Systems
James T. Lary, Corpro
- 9:45 am MORNING BREAK
- 10:00 am On-site General Hypochlorite
Brian Hyde, MIOX Corp.
- 10:45 am Source Water Protection – First Line of Defense
Rod Dunn, City of Columbus
- 11:30 am LUNCH (provided)
- 12:30 pm Organic Removal Using Biologically Active Filters
Jeffrey Vogt, Greater Cincinnati Water
- 1:15 pm Automation, SCADA and Network Systems
Andrew Holtom & Craig Kasper, Hull & Associates, Inc.
- 2:00 pm AFTERNOON BREAK
- 2:15 pm Solar Mixing to Improve Reservoir Water Quality
Wayne Ruzicka, AEROMIX
- 3:00 pm Taste and Odor In Alliance: What We Have Learned
Dr. Dean Reynolds, City of Alliance
- 3:45 pm Adjourn

March 24, 2010 Total contact hours = 6.00

OTCO REGISTRATION FORM

48th Annual Water Workshop
March 23-24, 2010
Ramada Plaza Hotel & Conference Center
Columbus OH

OTCO STUDENT ID #: _____

PLEASE PRINT OR TYPE:

FIRST NAME

LAST NAME:

TITLE

EMPLOYER

ADDRESS

CITY/STATE/ZIP

(____) _____ - _____ Ext. ____

BUSINESS TELEPHONE

(____) _____ - _____

FAX (for confirmations)

EMAIL ADDRESS (for confirmations)

Please check & initial if the above information needs to be updated in the OTCO Training Tracking System. [] _____

\$285 on or before 3/19/10. **\$310** after 3/19/10

CHECK OR MONEY ORDER NUMBER

P.O. NUMBER

Please invoice my company:

Charge to my credit card account:

Visa MasterCard Discover AMEX

Billing Zip Code (For security purposes) _____

CARD NUMBER

NAME ON CARD

EXP. DATE

X

CARD HOLDER SIGNATURE

MAIL OR FAX THE COMPLETED FORM TO:

OPERATOR TRAINING COMMITTEE OF OHIO, INC.
3972 Indianola Avenue * Columbus, OH 43214
(614) 268-6826 * Fax (614) 268-3244
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