

# Plumbing & POWTS Continuing Education

Safety and Buildings Division October 2010 – March 2011

## \* Top 10 Reasons to Attend

- #10 – Learn the NEW code-compliant design options for stacks.
- # 9 – Learn about the expanded use of MPP systems. (You don't know what an MPP system is? Come to Con Ed!)
- # 8 – Learn about new water service installation requirements.
- # 7 – Get up to 12 hours of Con Ed at one location!
- # 6 – Great instruction at a low price of about \$10 per hour!
- # 5 – Discuss issues with your peers.
- # 4 – Avoid cross connection errors by learning requirements.
- # 3 – Learn about treatment of high strength waste. (You know what high strength waste is, right?)
- # 2 – Get the latest news on air admittance valve approvals.
- # 1 – There are treats at break!



## \* Are you aware of the upcoming changes to Comm 5, 18, 81, 82, and 84?

The legislature is contemplating the approval of code revisions. Keep your eyes open for the release of an updated code this fall or winter. There are two ways to update your code book:

1. Go to the S&B web site and print code sections on your own: <http://www.commerce.wi.gov/sb/SB-DivCodesListing.html>.

This website will list the most current version of all code sections.

2. Contact state Document Sales Agency, 800-362-7253, to purchase a hard copy of the complete current code.

## \* Wells With Health-Related Contaminants

Some Wisconsin aquifers have contaminants in excess of the drinking water standards. The Department of Natural Resources and Department of Commerce have agreed to share responsibilities for the review, inspection, and monitoring of site-specific water treatment devices for private and non-community wells that do not comply with NR 809. If the DNR permits a treatment device in lieu of drilling a new well for these situations, the process is as follows:

1. Submit a plan for review to Commerce of the site-specific system. If using approved water treatment systems, the review process is simpler. If using unapproved water treatment devices, the treatment capabilities will need to be substantiated.
2. Install system and call for Commerce inspection.
3. DNR monitors system use after Commerce sign-off.

## \* MPP Plumbing/Fire Protection Systems

The integration of plumbing water distribution systems and fire sprinklers are a perfect match for "green house" construction.

Protecting lives and property have always been a priority for plumbing and fire protection programs.

Need to provide a fire protection system for a new four-unit building served by a well in 2011? The master plumber or plumbing designer may have the most cost efficient and economical solution going. A Multipurpose Piping System compliments and enhances the capability of both the fire protection system and the plumbing water distribution system, while reducing cost of redundant piping systems.

## \* Do you have all of the continuing education hours you need?

To view the number of hours of continuing education you still need go to [http://apps.commerce.state.wi.us/SB\\_Credential/index.jsp](http://apps.commerce.state.wi.us/SB_Credential/index.jsp) Enter your S&B customer ID number and then double-click on your name in the search results.

If you have question on license renewal or to update your mailing address, email the S&B Credentialing Section, [madisoncred@commerce.state.wi.us](mailto:madisoncred@commerce.state.wi.us), or call 608-261-8467.

## \* Pre-Registration by Mail or Internet

To register by mail, complete the registration on the "Classes Offered Fall 2010 - Spring 2011" page of this brochure.

You can also register for all classes on via the Internet:

<http://commerce.wi.gov/SB/SB-DivContinuingEducation.html>.

When you register online, you'll receive an email message back to print and mail in with payment for the class. Credit card payments cannot be accepted.

No walk-ins! You must pre-register with the Safety and Buildings Division two weeks prior to the class. Keep a copy of the completed registration form for your records. Register early, space is limited. Your registration fee is non-refundable, but if the class is full, your registration will be returned. All classes are held regardless of the weather. Arrive 30 minutes early to check in for classes.

Lists of paid registrants will be on the S&B WebSite after Oct. 1:

<http://commerce.wi.gov/SB/SB-EducationPlumPowts10Rosters.html>

No email or letters of confirmation will be sent.

## \* Internet Education Courses

The S&B WebSite: <http://commerce.wi.gov/SB/SB-DivContinuingEdVideo.html> has classes available online to obtain continuing education credits.



## \* Online classes available!

### Sizing the Building Water Supply System #6485, \$30

3 hours credit for MP, MPRA, MPRS, JP, JPRA, JPRS, Comm Plbg Insp, UDC Plbg Insp & Utility Contractor

### In Depth in Situ Soils Review #6491, \$30

3 hours credit for MP, MPRS, JP, JPRS, Comm Plbg Insp, POWTS Insp, POWTS Maintainer & CST

### S&B Drain & Vent 2009 #10840, \$30

3 hours credit for MP, JP, UDC Plbg Insp, Comm Plbg Insp



## POWTS Classes

### **POWTS Maintainer Qualifier, Course #9443**

#### **Fee \$80**

*This seven-hour class meets the educational requirements needed to apply for the POWTS Maintainer credential through the Department of Commerce.*

*Seven hours credit for MP, MPRS, JP, JPRS, POWTS Maintainer, POWTS Insp, Comm Plbg Insp, and Septage Hauler*

This full day session will cover classroom instruction and field visits of pretreatment and treatment systems, evaluation, and maintenance. The afternoon includes an on-site tour of systems including a local sand filter system, a pretreatment unit, and a high strength waste treatment system. Attendee is responsible for transportation to the field sites. Lunch is included.

The presenter will be James C. Converse, Emeritus Professor, UW-Madison.

### **High Strength Wastewater, Course #9828**

#### **Fee \$30**

*Three hours credit for MP, MPRS, JP, JPRS, POWTS Maintainer, CST, POWTS Insp, and Comm Plbg Insp*

This class provides the basic knowledge and methods for designing POWTS that will receive wastewater expected to exceed the BOD and FOG concentrations of residential wastewater. The class will address the challenge of treating wastewater from commercial operations such as restaurants.

### **At-Grade and Pressure Distribution Design, Course #11848**

#### **Fee \$30**

*Three hours credit for MP, MPRS, JP, JPRS, POWTS Maintainer, CST, POWTS Insp, and Comm Plbg Insp*

Certain version 1.0 manuals will expire the end of 2010. Not only will this class address the differences between version 1.0 and 2.0 component manuals but it will explain basic design principles, performance expectations, and site selection criteria. Sample problems will be completed.

### **ISD Justifications for Performance Designs, Course #11849**

#### **Fee \$30**

*Three hours credit for MP, MPRS, JP, JPRS, POWTS Maintainer, CST, POWTS Insp, and Comm Plbg Insp*

This class will discuss correct Individual Site Design (ISD) submittals. Knowledge of function allows performance designs to focus on the relative strengths of various components to disperse and treat wastewater. A Commerce update and frequently asked questions review are also part of the presentation.

## General Plumbing Classes

### **Code Changes & AAV Update, Course #11850**

#### **Fee \$30**

*Three hours credit for MP, JP, UDC Plbg Insp and Comm Plbg Insp. Two hours credit for Utility Contractor, MPRA, JPRA, MPRS and JPRS*

The plumbing code revisions for 2010 include revisions for drain and vent, tanks for mixed wastewater, and product standard updates. Attend this class to learn how the latest code revisions can affect you. Of special note in the class will be new revisions for air admittance valve installation requirements.

### **S&B Drain & Vent 2010, Course #11851**

#### **Fee, \$30**

*Three hours credit for MP, JP, UDC Plbg Insp, & Comm Plbg Insp*

Drain and vent plumbing design has significantly changed for stacks in recent code revisions. Learn about these changes and how the 2010 revisions can impact drain and vent designs. This is an important class for all one- and two-family plumbers and inspectors, as well as those who design, install, or inspect in commercial buildings.

### **Multipurpose Piping Systems, Course #11852**

#### **Fee \$30**

*Three hours credit for MP, MPRA, JP, JPRA, UDC Plbg Insp, and Comm Plbg Insp*

Multipurpose Piping Systems are plumbing water distribution systems in combination with fire sprinkler protection and are one of the new mandatory requirements for three- and four-unit dwellings, and townhouses up to 20 units, served by a well. Sign up for a 3-hour class that provides in-depth training based up on the department's design manual and CD calculator.

### **Site Work Plumbing, Course #8912**

#### **Fee \$30**

*Three hours credit for MP, MPRS, JP, JPRS, Utility Contractor, UDC Plbg Insp, and Comm Plbg Insp*

This class is primarily designed for utility contractors. It covers the design and installation requirements of water services, private water mains, sanitary sewers, private interceptor main sewers, and basic storm systems. Applicable recent code changes will also be covered.

### **Cross Connection Control, Course #11853**

#### **Fee \$30**

*Three hours credit for MP, MPRA, JP, JPRA, UDC Plbg Insp, and Comm Plbg Insp*

This class will provide a continuing education review of all the different methods, devices, and assemblies. All recent code changes and updates affecting 82.41 will be discussed.

## Classes Offered Fall 2010 - Spring 2011

Please complete this page and mail it in to register for the classes.

Blocks of sleeping rooms are being held at a discounted rate. If you're interested in reserving a room, contact the hotel directly using the room block code listed under each location. These rooms will be held until about a month before each class.

### October 2010 Arlington

Agriculture Research Station

Public Events Facility Building, N695 Hopkins Road

#### **Wednesday, October 27, 2010**

\_\_\_\_\_ 8:30AM-4:30PM, POWTS Maintainer Qualifier #9443

### November 2010 Hayward

Flat Creek Inn and Suites, 10290 Highway 27 South

Room Block Code: Dept of Commerce, 1-877-883-1304

#### **Tuesday, November 9, 2010**

\_\_\_\_\_ 8:30-11:30AM -At-Grade & Pres Distr Design #11848

\_\_\_\_\_ 12:30-3:30PM -High Strength Wastewater #9828

#### **Wednesday, November 10, 2010**

\_\_\_\_\_ 8:30-11:30AM -Code Changes & AAV Update #11850

\_\_\_\_\_ 12:30-3:30PM -Cross Connection Control #11853

### December 2010 Stevens Point

Holiday Inn Conference Center, 1001 Amber Avenue

Room Block Code: Dept of Commerce, 715-344-0200

#### **Wednesday, December 8, 2010**

\_\_\_\_\_ 8:30-11:30AM -High Strength Wastewater #9828

\_\_\_\_\_ 12:30-3:30PM -At-Grade & Pres Distr Design #11848

#### **Thursday, December 9, 2010**

\_\_\_\_\_ 8:30-11:30AM -Code Changes & AAV Update #11850

\_\_\_\_\_ 12:30-3:30PM -Multipurpose Piping Systems #11852

### December 2010 Pewaukee

Country Springs Hotel, 2810 Golf Road

Room Block Code: Dept of Commerce, 262-547-0201

#### **Tuesday, December 14, 2010**

\_\_\_\_\_ 8:30-11:30AM -At-Grade & Pres Distr Design #11848

\_\_\_\_\_ 12:30-3:30PM -High Strength Wastewater #9828

#### **Wednesday, December 15, 2010**

\_\_\_\_\_ 8:30-11:30AM -Code Changes & AAV Update #11850

\_\_\_\_\_ 12:30-3:30PM -Cross Connection Control #11853

#### **Thursday, December 16, 2010**

\_\_\_\_\_ 8:30-11:30AM -Site Work Plumbing #8912

\_\_\_\_\_ 12:30-3:30PM -S&B Drain & Vent 2010 #11851

### January 2011 Madison

Holiday Inn at the American Center, 5109 West Terrace Dr

Room Block Code: WDC, 608-249-4220 or online at

www.holidayinn.com/madisonwi

#### **Wednesday, January 26, 2011**

\_\_\_\_\_ 8:30-11:30AM -At-Grade & Pres Distr Design #11848

\_\_\_\_\_ 12:30-3:30PM -High Strength Wastewater #9828

#### **Thursday, January 27, 2011**

\_\_\_\_\_ 8:30-11:30AM -Code Changes & AAV Update #11850

\_\_\_\_\_ 12:30-3:30PM -Cross Connection Control #11853

### February 2011 Eau Claire

Plaza Hotel and Suites, 1202 West Clairemont Ave

Room Block Code: 7142, 715-834-6498

#### **Tuesday, February 8, 2011**

\_\_\_\_\_ 8:30-11:30AM-At-Grade & Pres Distr Design #11848

\_\_\_\_\_ 12:30-3:30PM-ISD Justification & Perf Designs #11849

#### **Wednesday, February 9, 2011**

\_\_\_\_\_ 8:30-11:30AM-Code Changes & AAV Update #11850

\_\_\_\_\_ 12:30-3:30PM-Cross Connection Control #11853

### February 2010 Mineral Point

Quality Inn, 1345 Business Park Road

Room Block Code: Dept of Commerce, 608-987-4545

#### **Wednesday, February 23, 2011**

\_\_\_\_\_ 8:30-11:30AM -At-Grade & Pres Distr Design #11848

\_\_\_\_\_ 12:30-3:30PM -ISD Justification & Perf Designs #11849

#### **Thursday, February 24, 2011**

\_\_\_\_\_ 8:30-11:30AM -Code Changes & AAV Update #11850

\_\_\_\_\_ 12:30-3:30PM -Cross Connection Control #11853

### March 2011 Green Bay

Ramada Plaza Hotel, 2750 Ramada Way

Room Block Code: Dept of Commerce, 920-499-0631

#### **Tuesday, March 8, 2011**

\_\_\_\_\_ 8:30-11:30AM -At-Grade & Pres Distr Design #11848

\_\_\_\_\_ 12:30-3:30PM -ISD Justification & Perf Designs #11849

#### **Wednesday, March 9, 2011**

\_\_\_\_\_ 8:30-11:30AM -Code Changes & AAV Update #11850

\_\_\_\_\_ 12:30-3:30PM -Cross Connection Control #11853

#### **Thursday, March 10, 2011**

\_\_\_\_\_ 8:30-11:30AM -Site Work Plumbing #8912

\_\_\_\_\_ 12:30-3:30PM -S&B Drain & Vent 2010 #11851

**No email or letters of confirmations will be sent.** Registration lists will be available on the S&B website after October 1 at:

<http://commerce.wi.gov/SB/SB-EducationPlumPowts10Rosters.html>

**To register by mail** - Complete this page at least two weeks prior to the class and mail it (keep a copy for your records) with your check payable to the "Safety and Buildings Division" to:

*Continuing Education Safety and Buildings Division  
PO Box 2658  
Madison, WI 53701-2658*

**(See Internet registration info on first page of brochure)**

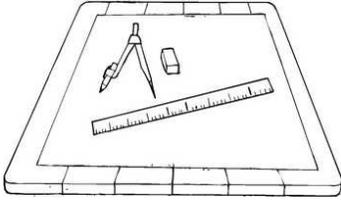
Printed Name : \_\_\_\_\_

License/Credential Number(if applicable): \_\_\_\_\_ Total Cost: \_\_\_\_\_  
Fiscal Code 7632

Daytime Phone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Personal Information you provide may be used for secondary purposes.  
[Privacy Law, s. 15.04(1)(m)]



### Submitting plans?

Plan reviewers know that it isn't always easy to submit all the needed information the first time. Here's a list of the most commonly missed requirements for plan review:

- Remember the isometric (30/60) drawings
- Remember to sign and bind plan sets
- Existing loads must be included for remodeling projects
- Water calculations must be included with water supply plans
- Storm sizing calculations must be submitted (storm includes exterior and interior storm inlets and all clearwater additions)

### Register Online for Email Notices

You can sign up to receive occasional messages from the Safety and Buildings Division about news we feel is important to people interested in specific programs. To sign up for email notices in various S&B programs go to:

<http://commerce.wi.gov/SB/SB-DivEmailSignup.html>.

You can un-subscribe at any time via a link from the bottom of each email you receive. Be aware that email addresses gathered by state agencies may be subject to open records laws.

Continuing Education  
Department of Commerce  
Safety and Buildings Division  
PO Box 2658  
Madison, WI 53701-2658

**Continuing Education  
Information Enclosed**

### Want to save time and money?

Keeping up with changes in the code can save you time and money. Did you know that the requirements for the elevator sump sizing change with 2010's revisions? Did you know that after the code revisions you could combination vent a kitchen sink on a drain stack with any other wall outlet fixture with a dfu of two or less? Did you know that you can run 1.5-inch with no distance limitations underground? (One caveat is that you will need additional cleanouts for piping two inches or less in diameter.)

### Thinking green?

Do you want to expand your business? Think about reuse and green plumbing. Large motels and other facilities are looking for ways to cut expenses. Some are looking at laundry reuse systems, water conserving fixtures, and stormwater irrigation systems. Homes, factories, and businesses are looking for someone to help them save money and help the environment. Don't give this work away to your competitor. Contact Tom Braun at 715-340-5387 or [thomas.braun@wi.gov](mailto:thomas.braun@wi.gov) for more information.

### Questions?

Questions on registration or classes in this brochure: Contact Jean Joyce at [jean.joyce@wi.gov](mailto:jean.joyce@wi.gov) or 608-267-7113.

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