

# Water Storage Tank Seminar Schedule

# REGISTRATION INSTRUCTIONS

## 7:15 A.M. – 7:45 A.M. REGISTRATION AND CONTINENTAL BREAKFAST

## 7:45 A.M. – 8:00 A.M. INTRODUCTION OF SPEAKERS & WELCOME

*Richard Horn, P.E., Regional Sales Manager, CB&I (Chicago Bridge & Iron),* has a B.S. in Civil Engineering from the University of Illinois and an MBA from Illinois Benedictine University. He began his career with CB&I over 35 years ago and has since had experience in all facets of the tank industry including sales, engineering, estimating, fabrication, construction, project management as well as operations and sales management. He is a Registered Professional Engineer in the State of Illinois. Rich is the current chairman of the Field Erected Tank section of STI/SPFA.

## 8:00 A.M. – 8:45 A.M. HOW TO USE STANDARDS

- Applicable standards for each type
- Decision criteria, life cycle analysis & cost
- Failure considerations
- How to use this information to identify the right tank for your needs

*Stephen W. Meier, P.E., S.E., Managing Principal for Tank Industry Consultants,* is a graduate of Rose-Hulman Institute of Technology with a B.S. in Civil Engineering. He earned his M.S. in Civil Engineering from Cornell University. Steve is actively involved in industry-wide standards, organizations and educational activities and chairs the AWWA Steel Tank Committee.

## 8:45 A.M. – 9:15 A.M. LIFE CYCLE ANALYSIS

- Quantifies the Net Present Value of storage tank ownership
- Costs considered for various tank types

Speaker Panel

## 9:15 A.M. – 9:30 A.M. BREAK

## 9:30 A.M. – 10:20 A.M. LOCATING, SIZING AND SELECTING TANKS

- Location factors: hydraulics, topography, soils, FAA, zoning, etc.
- Sizing considerations: peak load, fire, future growth, per capita water use, etc.
- Selecting: economics, ground storage & elevated tank style comparisons

*Richard Horn, P.E., Regional Sales Manager, CB&I*

## 10:20 A.M. – 11:00 A.M. NEW TANK SPECIFICATIONS

- Soil investigation
- Supplemental design considerations
- Foundation design

*Stephen W. Meier, P.E., S.E., Managing Principal for Tank Industry Consultants,*

## 11:00 A.M. – 12:00 P.M. TANK CONSTRUCTION

- Foundations
- Field construction
- Shop fabrication
- Inspection and testing
- Welding

*Kevin Gallagher, P.E., Vice-President-Sales, Caldwell Tanks, Inc.,* holds a B.S. in Civil Engineering from Purdue University and an MBA from the University of Louisville. He is actively involved with sales, estimating, engineering, fabrication and construction of water storage tank projects.

## 12:00 P.M. – 1:00 P.M. LUNCH

## 1:00 P.M. – 1:45 P.M. CATHODIC PROTECTION AND CORROSION CONTROL

- Impressed current & sacrificial anode cathodic protection systems
- Economics
- System design, installation, verification and maintenance
- Corrosion explained

*Jeffrey A. Rog, Regional Vice President, Corrpro Companies, Inc.* holds a B.A. from Kent State University. He has over twelve years of experience dedicated to preventing corrosion of infrastructure in the Water, Wastewater, Oil and Gas, Power Generation and Transportation Industries. Jeff is an active member of the American Water Works Association (AWWA).

## 1:45 P.M. – 2:45 P.M. THE TANK COATING PROCESS

- Coating system selection – low VOC
- Service Life Cycle
- Regulations and standards
- Specifications and inspection
- Revised D102 Standard

*Houston - Tony Ippoliti*

*Tony Ippoliti, Water Tank Business Development Manager, The Sherwin-Williams Company.* Tony is an SSPC Certified Protective Coatings Specialist, a NACE Certified Coatings Inspector, contributing author to industry publications and a member of the AWWA and ASCE.

*Alexandria - Alfred “Tex” Enoch*

*Alfred “Tex” Enoch, Water Tank Market Manager, Induron Protective Coatings,* graduated from Georgetown University in 1967 and served in the United States Navy until 1969 when he joined his father at Pennsbury Coatings. Pennsbury specialized in manufacturing coatings for the water tank market and Tex has been doing that ever since. He now heads up the Water Tank Market for Induron Protective Coatings, a family-owned paint manufacturing company based in Birmingham, AL.

## 2:45 P.M. – 3:00 P.M. BREAK

## 3:00 P.M. – 3:45 P.M. INSPECTION AND MAINTENANCE

- Recommended operating procedures
- Periodic inspections
- Maintenance

*Gregory “Chip” Stein, P.E., Managing Principal, Tank Industry Consultants,* has a B.S. in Mechanical Engineering from Rose-Hulman Institute of Technology and an MBA from Indiana University. Chip is a registered professional engineer in 28 states. He was chairman of the STI/SPFA Field Erect Committee and participates in many other industry-related activities.

## 3:45 P.M. – 4:30 P.M. CELLULAR ANTENNA INSTALLATION ON WATER STORAGE TANKS

- Design considerations
- Safety & training
- Leases & revenue considerations

*Jay Simpkins is a structural engineer with Phoenix Fabricators and Erectors, Inc.* actively involved in the design of elevated water tanks and their foundations. He has seven years in the water tank industry and has worked in several functional areas. Prior to receiving his B.S. in Civil Engineering from Purdue University, he worked in the field for three years hand fabricating elevated tanks.

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FEE: \$300 US per person for early registration, \$320 US per person for registration within 15 days of the seminar date. Three days prior to the seminar and at the door (\$370) must be made by check or credit card. Fee includes a binder, meals and breaks. Refunds will be issued for cancellations in writing up to 10 days prior to the seminar. No refunds after this date. **Please contact STI/SPFA directly regarding discounted registration fees.**

**A MINIMUM OF 25 PARTICIPANTS IS REQUIRED. REGISTER EARLY AS SPACE IS LIMITED.**

This seminar is offered without discrimination on the basis of race, color, religion, sex, or national origin; however we do reserve the right to decline registrations from specialized manufacturing, engineering, or inspection firms that may be in direct competition with STI/SPFA.

# STI/SPFA WATER STORAGE TANK SEMINAR

Select from the following seminars:

- \_\_\_\_\_ **03/6/12** Intercontinental Houston  
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- \_\_\_\_\_ **05/10/12** Courtyard Alexandria Pentagon South  
4641 Kenmore Ave. Alexandria, VA 22304 Reservations: 703-751-4510

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# Steel Water Storage Tank Seminar

Presented by the Steel Plate Fabricators Association, Division of STI/SPFA

## UPDATED WITH AWWA AND NSF CHANGES



FOR CONSULTING ENGINEERS, MUNICIPALITY & UTILITY  
ADMINISTRATORS AND WATER TANK OWNERS & OPERATORS

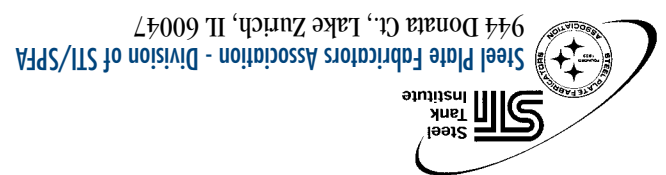
LOWER VOC COATING SYSTEMS  
**NEW** REVISIONS TO AWWA D102



JOIN US AT ONE OF THE UPCOMING 2012 PROGRAM EVENTS

**MARCH 6, 2012: INTERCONTINENTAL NEAR THE GALLERIA, HOUSTON, TEXAS**

**MAY 10, 2012: COURTYARD MARRIOTT PENTAGON SOUTH, ALEXANDRIA, VIRGINIA**



### Why should you attend?

Get the latest on AWWA D100 Standard for welded steel tanks to see if your tanks are in compliance!

The seminar will provide information on the recently adopted standard D106-10 **SACRIFICIAL ANODE DESIGN... and recently updated standard D104-11** concerning Automatically Controlled Impressed Current for Cathodic Protection.

Learn what you need to know about both designs and the **updated AWWA Standards.**

Are you aware of the **SIGNIFICANTLY LOWER VOC COATINGS** developed to meet Clean Air Requirements? Find out what you need to know for maintenance touch-ups and new tank coatings.

**Earn 8 PDHs for attending!**

Get great educational benefits **PLUS** opportunities for networking with fellow industry members!

### Seven industry experts will show you:

- How to interpret and use the standards.
- Get updated on the recent 2011 AWWA D100 and D102 revisions, the First Edition of the D107 Composite Elevated Tank Standard issued in 2010 along with Cathodic Protection for the Interior Submerged Surfaces of Steel Water Storage Tanks.
- How to use Life Cycle Cost Analysis to choose the best tank.
- Why steel makes sense.
- What to consider when selecting, sizing and locating tanks, operations & maintenance.
- The latest in tank coatings.
- How to generate additional revenue with cellular antenna leases.