



STI/SPFA HONORS MEMBERS 2009 Product, Safety, Quality & Production Awards

Annually, STI/SPFA presents awards to Member fabricators in multiple categories and recognizes a member supplier (STI/SPFA Affiliate Member) for a New Product of the Year. Member Company accomplishments are detailed in the 2009 Tank of the Year Press Release issued in early-March. Additional Press Releases announced Award winners and recognized Members for Safety and Quality achievements.

2009 PRODUCT OF THE YEAR AWARD WINNERS

In the 2009 Fabricated Project of the Year, Special Fabrication Category, **T BAILEY, INC.** of Anacortes, WA was recognized as the 2009 winner for its "Eye of the Wind" project in North Vancouver, British Columbia. **T BAILEY, INC.** also received an Award in the Pipe Fabrication Category for the Aberfeldie Redevelopment Project, a hydroelectric facility in British Columbia.

The 2009 award for Fabricated Product of the Year in the Pressure Vessel Category was made to **Brown-Minneapolis Tank NW** of Elma, WA, for production of three 3,000 cu. ft. silos built to ASME Code Section VIII - Div 1 Silos. In the Shop fabricated Atmospheric Tank Category, **Brown-Minneapolis Tank NW** also received a 2009 Product of the Year Award for two 12,000 gallon Fireguard® tanks used to store Avgas, high-octane aviation fuel.

Ameron International - Water Transmission Group of Rancho Cucamonga, CA was awarded the 2009 Pipeline Project of the Year Award for its Arrowhead Tunnel project in Highland, San Bernadino, CA.

For 2009, The Affiliate Member New Product of the Year Award went to **The Sherwin-Williams Company** in Cleveland, OH for its EuroNavy ES301 Coating.

The 2009 Steel Tank of the Year Awards recognized tank fabricators in four categories:

- **ELEVATED STEEL TANK - Caldwell Tanks, Inc.** of Louisville, KY for a two million gallon, fluted-column tank in Milford, OH;
- **RESERVOIR - Pacific Tank & Construction, Inc.** of San Juan Capistrano, CA for a 12.5 million gallon AWWA reservoir tank at the La Quinta Resort in Palm Springs, CA;

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**REGISTER NOW
STI/SPFA
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**Steel Water Storage
Tanks: Design,
Construction,
Maintenance &
Repair**

BOOK RELEASED

A new, complete reference on steel water storage tanks for potable water edited by Stephen W. Meier (P.E., S.E.) of Tank Industry Consultants is now available for purchase online at the

- **SPECIAL STORAGE - CBI Services, Inc.** of Everett, WA produced a 1.5 million gallon liquified natural gas tank; and
- **STANDPIPE - CB&I, Inc.** in Houston, TX for the world's tallest Thermal Energy Storage Tank (153 ft. tall with a capacity of 8.77 million gallons).

Photos and descriptions of winning products are posted to the AWARDS pages on www.steeltank.com.

Congratulations to all 2009 STI/SPFA Award winners for their achievements in steel fabrication, production, safety and quality.

First Liquid Leak Detection System Installed in Permatank® in North Carolina

Service Welding Company of Louisville, KY recently furnished the first interstitial liquid leak detection system in a Permatank® double-wall underground storage tank. The tank system was installed in western NC on March 23 by Petroleum Specialty, Inc.



Permatank in North Carolina

The Permatank® was shipped to North Carolina with its traditional vacuum within the interstice. Carl Greer of Service Welding Company reported, "A vacuum is applied at time of manufacture and held during shipment, storage, and installation. A look at the vacuum gauge provides instantaneous assurance that both walls of the tank system are tight."

After the tank was backfilled to the top, the special liquid supplied by Service Welding Company was quickly installed into the interstice.



David Ellis of Lighthouse Electric Technologies Installing Liquid Sensors

"The liquid level is raised above the top of the tank where dual point sensors are installed in a reservoir and monitored electronically to notify the tank owner of any upset conditions within the tank system during operations," Greer explained. He added, "North Carolina regulators are taking a greater interest in leak detection systems using vacuum, pressure or liquids within the interstice that immediately alert tank owners of releases. Each tank system must be evaluated by an independent third party to comply with EPA requirements."

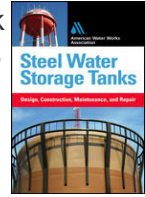
The Steel Tank Institute and Service Welding Company reached an agreement to make the interstitial liquid leak detection system available to STI Members that have signed an STI License Agreement. Initially, the leak detection system will be available on any UL listed secondary contained underground storage tank built by an STI Member that wants to make the technology available to its customers.

Steel tank manufacturers in Europe have successfully provided similar leak detection systems in double-wall steel tank systems that must comply with European leak detection standards. The North

AWWA Online Store.

Meier is a leading, highly respected structural engineering expert with in-depth knowledge of the design, construction and rehabilitation of concrete and steel non-building structures.

The hand-book is described as a resource for utility managers, engineers and operators, as well as consultants and provides a good, working knowledge of the design, construction, and operation of steel water storage tanks for potable water.



Purchase this ready reference from AWWA today and put a single volume resource to use immediately.

EPA Farm-Specific SPCC Program Requirements

The EPA Office of Solid Waste and Emergency Management has developed a special FAQs Document for farmers.

This Fact Sheet was created to help farm professionals recognize the requirements and perform obligations under the SPCC Program. The goal of the Program is to prevent oil spills into waters of the U.S. and adjoining shorelines.



Carolina site was the first known jacketed tank installation to use a liquid interstitial leak detection system in the United States.

Sensors continue to play a critical role in new and existing secondary containment systems. They have been successfully used in secondary contained steel tanks for years to detect liquids before a pollution incident occurs. STICO Mutual Insurance Company, RRG, a supplier of manufacturers' and contractors' pollution liability insurance, submitted comment pertaining to North Carolina regulations in 2007 indicating STICO has had no reported pollution incidents involving a double-wall storage tank.

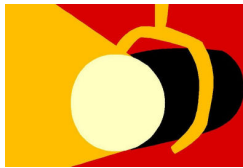
With the Permatank installation in North Carolina, Petroleum Specialty also installed dry sump sensors in submersible turbine enclosures and in dispenser sumps.

***Tank Talk* - SPOTLIGHT ON SAFETY**

STI/SPFA Safety & Health Committee - Member Benefit

BACKGROUND & ACTIVITIES

STI/SPFA's Safety & Health Committee provides a valuable forum for discussion by Members of safety issues within the industry. The Committee meets at least three times annually at Membership Meetings and holds program events throughout the year.



COMMITTEE WORK WITHIN STI/SPFA & INDUSTRY

An emphasis on safety is a strategic directive for STI/SPFA and one that *Tank Talk* editors know is important in varied settings throughout the industry. Safety & Health Committee Members make formal comments to OSHA on new, proposed safety and environmental requirements and in 2010 are working to provide OSHA-certified training for safety professionals.

The STI/SPFA Safety & Health Committee has also updated its two safety booklets during the past year. These popular, pocket-sized resources have been developed and used by fabricators and other companies for over ten years.

The **BASIC SAFETY RULES for FABRICATION, FIELD ERECTION, and WAREHOUSING** was updated in November 2009. It covers safety rules and guidelines useful during field installation and fabrication. Many organizations use the booklet as an important part of their Company safety and training programs. The general public can purchase the booklets for \$6.00. Look for Item No. 900-10-0401 on the [Publications Page](#) of the STI/SPFA website.

The **TANK BUILDERS SCAFFOLD GUIDELINES** booklet was updated in April 2009 and addresses safety issues unique to scaffolding used during the field construction of tanks and vessels. This booklet has become an integral component of many companies' safety and training programs. The Scaffold Guidelines booklet sells for \$4.00 to the general public. It is Item No 900-10-0403 on the [Publications Page](#).

English and Spanish language versions of both safety booklets are available for purchase on the [website](#).

Ultra Low Sulfur Diesel Associations' Survey & Update

BENEFITS TO FARMERS, THEIR HOLDINGS AND ENVIRONMENT

The SPCC Program requirements for Spill Prevention Plans can help farmers prevent oil spills that damage water resources needed for farming operations, protect farmland and help preserve surrounding property.

At the same time, farmers safeguard land investments and have greater control over the quality of the livestock and crops raised and served at America's tables every day.

INDUSTRY CALENDAR

Upcoming Events APRIL - JUNE 2010

APR 22
STI/SPFA Steel Water Storage Tank Seminar
Portland, OR

APR 24 - 27
NAFA, National Association of Fleet Administrators Institute & Exposition
Detroit, MI

APR 26 - 28
API Spring Refining & Equipment Standards Meeting
New Orleans, LA

APR 29 - 30
M-PACT, Midwest Petroleum & Convenience Tradeshow
Indianapolis, IN

MAY 11 - 14
AFVi, Alternative Fuels & Vehicles 2010 National Conference & Exposition
Las Vegas, NV

Approximately 44 billion gallons of Ultra Low Sulfur Diesel ("ULSD") fuel are consumed in the United States annually and are distributed through thousands of miles of pipelines, 1,300 terminals, 7,500 bulk plants, and tens of thousands of service stations.

STI and many other associations and agencies are researching issues related to ULSD and surveyed those who had first-hand experience with ULSD. Of the 1,192 respondents, 58 percent reported no increase in problems associated with the changeover to ULSD fuel in the last several years.



Of the remaining 42 percent who reported issues at an average ten sites each, those who offered comments reported:

- Submersible pump replacement, column pipe wear and motor problems;
- Check valves not seating;
- Meter corrosion or malfunctions;
- Shear valve malfunction;
- Line leak detectors damaged;
- Swivels failing or shortened lifespans;
- Solenoid valves not sealing or failing tests;
- Corrosion of tanks;
- Leak detection malfunction;
- Automatic nozzle shutoff failure or shortened lifespan;
- Pipe failure;
- Excessive filter clogging; and
- Seal and gasket issues

The survey was conducted by PEI and sent to North American tank owners, fuel suppliers, service providers, equipment manufacturers, tank and tank equipment regulators, cargo tank motor vehicle owners and others during the months of March and April, 2010.

Respondents who reported problems were geographically dispersed, but potential causes of the issues could not be conclusively identified based on survey findings.

Among the organizations that participated in the survey were the Steel Tank Institute, Petroleum Marketers Association of America, NATSO, NACS, SIGMA, American Petroleum Institute, National Biodiesel Board, National Association of Fleet Administrators, American Trucking Associations, New England Fuel Institute, as well as state and local UST offices. The participating organizations are reviewing the results to determine the next steps.

In the meantime, the Clean Diesel Fuel Alliance (CDFA), will develop guidance on monitoring and maintaining fuel distribution and dispensing equipment. The CDFA plans to explore the best ways to gather additional information to better understand the issue.

Tank Talk

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MAY 7

STI/SPFA Steel Pipe Design Webinar

MAY 20

STI/SPFA Steel Water Storage Tank Seminar
Boston (Cambridge), MA

MAY 22 - 27

AIHce 2010, American Industrial Hygiene Conference & Exposition
Denver, CO

MAY 23 - 26

AWEA WindPower 2010 American Wind Energy Conference & Exhibition
Dallas, TX

MAY 24 - 26

ILTA, International Liquid Terminals Assn. Operating Conference & Trade Show
Houston, TX

JUN 7 - 10

NFPA, National Fire Protection Association Conference & Exposition
Baltimore, MD

JUN 13 - 18

ASSE, American Society of Safety Engineers - 2010 Professional Development Conference
Baltimore, MD

JUN 13 - 18

2010 International FEW, Fuel Ethanol Workshop & Exposition
St. Louis, MO

JUN 18 - 19

2010 SWPMTAC
Chicago, IL

JUN 20 - 24

ACE10, American Water Works Association Conference & Exposition
Chicago, IL



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