

Steel Tank Institute Steel Plate Fabricators Association

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NEWS

STI/SPFA HONORS WATER STORAGE TANKS OF THE YEAR & FABRICATED PRODUCTS OF THE YEAR

LAKE ZURICH – March 12, 2007 – STI/SPFA has announced the winners of its “Tank of the Year”, “Fabricated Product of the Year” and “New Product of the Year” Awards for 2006. “The winning products exemplify innovation and excellence in the design and erection of steel structures,” said Wayne Geyer, Executive Vice President of STI/SPFA. “When safety is paramount, steel is the answer, and these peer-reviewed award winning designs are the best of the best”.

A new award was introduced this year, to recognize suppliers for an innovation deemed the most helpful new product for use by steel plate fabricators. The first New Product of the Year Award was presented to Morrison Bros. Co. of Dubuque, Iowa, for a Test Mechanism for AST Overfill Prevention Valves. “The Test Mechanism enables the operator to verify that the overfill prevention valve is functioning as designed from the ground,” said John Freund, Vice President of Manufacturing, “eliminating the need to climb on top of the tank, and improving safety for all concerned.”

Wyatt Field Service Company of Houston, Texas, a Subsidiary of Nooter Corporation, of St. Louis, Missouri earned the Fabricated Product of the Year Award for an Autoclave Pressure Vessel built on behalf of ASC Process Systems at Vought Aircraft’s facility in Charleston, South

Carolina. “Wyatt was chosen for this project because of their extensive experience with field assembly of large pressure vessels,” said Kip Andersen, project manager for ASC Process Systems. The autoclave is a 32-foot 1-inch Inner Diameter by 93-foot 0-inch tangent length steel pressure vessel used for heat curing carbon fiber fabricated sections of the fuselage for the Boeing 787 Dreamliner. Rated for 150 psig pressure at 450° F., the autoclave must maintain precise temperature and pressure controls in an effective area 30 feet in diameter by 75 feet long for an eight hour curing cycle. “This is the largest autoclave in the United States,” said Doug Marshall, President of Wyatt Field Service.

In the Special Fabrication category, Kennedy Tank & Manufacturing Company, Inc. of Indianapolis, Indiana, earned the Fabricated Product of the Year Award for a Pyridine Reactor Vessel at Vertellus Agriculture & Nutrition Specialties, LLC. “This ASME Section VIII Division 1 Code stamped pressure vessel is the largest shop fabricated reactor for this process ever built,” said Bill Herdman, Vice President/General Manager of Kennedy Tank. Fabricated from 304 stainless steel, the 63’ tall 15’6” diameter vessel holds 57,600 gallons, weighs 58 tons and has extremely complicated internals.

BMT – Northwest, LLC in Olympia, Washington, received the Fabricated Product of the Year Award in the Atmospheric Tanks category, for an installation of seventeen 23,000 gallon tanks holding aviation gas, diesel and gasoline in Kwethluk, Alaska. “These tanks required special shop handling and assembly to allow for 100% shop painting, testing, and finish painting,” said Rollie Irwin, Business Unit Manager of BMT. Also earning a Steel Tank of the Year Award in the Reservoir category, BMT-Northwest, LLC was honored for a six million gallon water tank in Lynden, Washington. “The large low profile tank was designed, fabricated, erected and painted to blend into the landscape,” said Irwin, “and we love the cows”. Tnemec

Company, Inc. supplied the paint for this local eye-catcher, as well as the award winning tanks in Monroe Township, NJ and Gig Harbor, WA.

The second largest fluted column water tank in the United States, a 3.4 Million Gallon monster tank in Monroe Township, New Jersey, earned the Steel Tank of the Year Award in the Elevated Tank category. Built by CBI Services, Inc. of Plainfield, Illinois, the tank is 175' tall and 125' wide, with a mammoth 111' diameter column. "The weight of the water is so great that a special center support column was required," said William Coogan, P.E., Project Manager, "which runs the entire height of the tank and utilized 2.2 million pounds of steel plate."

T Bailey, Inc. of Anacortes, Washington won the Steel Tank of the Year Award in the Standpipe category for a 2.5 million gallon tank in Gig Harbor, Washington. The 160' tall, 53' diameter structure was built of 1.25" thick steel. "The site was extremely tight and restricted access to the backside of the tank, and was subjected to extreme wind and rain throughout construction," said Gene Tanaka, President of T. Bailey. "To resist overturning in a seismic event, the 800,000 pound tank (excluding weight of the water) is anchored in a foundation 80' in diameter and 8' thick with almost 335,000 pounds of embedded reinforcing steel and 60,000 pounds of anchor bolts".

CB&I Constructors, Inc. of The Woodlands, Texas, earned the Steel Tank of the Year Award in the Special Storage Systems category for a Thermal Energy Storage system at Dell Children's Medical Center in Austin, Texas. The tank is 808,000 gallons, is 56' tall and 50' diameter, and has a special insulation jacket which blends the structure into the campus. Designed to provide up to 8,000 ton-hours of cooling during peak demand periods at a major saving in energy costs and in an environmentally friendly manner, the plant also provides emergency cooling in the event of a power outage. "This campus project has been awarded the

LEED (Leadership in Energy and Environmental Design) Platinum certification making it the only hospital in the world to have received this award”, said Orville Earhart, Business Development Manager for CB&I.

The winner of the Pipeline of the Year Award is Ameron International, Inc. in Rancho Cucamonga, California. The winning pipeline stretches from Lake Skinner to Temecula in Riverside County, and is part of the Metropolitan Water District of Southern California. The project included 38,000 feet of 120” diameter welded steel pipeline, with field lap-welded joints every 40’. The interior was cement-mortar coated in the shop, and cement-mortar lined in the field. “Because there was no room to stage sections of pipeline prior to installation, pipe sections were trucked approximately 90 miles from the plant for immediate installation,” said Henry Bardakjian, Chief Engineer for Ameron. “The delivery had to be carefully coordinated with up to twenty truck loads a day delivered ‘just-in-time’ on-site.”

Hanson Pipe & Precast in Grand Prairie, Texas won the Pipeline Fabrication Project of the Year Award. The winning project is an installation of ten 96” diameter pump cans at the North Texas Municipal Water District’s East Fork Raw Water Supply Project in Kaufman County. “The 62’ pump cans are built in two 31’ sections, assembled in the field and lined per AWWA standard requirements,” said Jeff Mason, Marketing Director for Hanson. “The cans are designed to treat river water, which is diverted approximately 40 miles to a lake serving as the area’s primary water supply.”

STI/SPFA is an association serving companies fabricating steel tanks, piping and pressure vessels for use in the petroleum, food, water and chemical processing industries. STI/SPFA provides certification and training courses for steel tanks and piping, performs quality assurance inspections, develops industry standards and specifications, produces safety booklets,

and serves as a liaison to regulatory and code authorities. For further information and electronic photos, contact Anne Kiefer at STI/SPFA, 570 Oakwood Road, Lake Zurich, IL 60047, Phone: 847/438-8265 Fax: 847/438-8766 E-mail: ankiefer@steeltank.com Web: www.steeltank.com