

Maintenance Tip: ASTs

Aboveground storage tanks (ASTs) of various sizes and functions fulfill a growing need in the petroleum-handling industry. Their common applications include day tanks, primary and backup fuel generators, and fuel-transfer systems, all of which are used by a diverse group of end-users.



Ace FuelSafe® storage tanks can be a prime usage option when used in conjunction with a packaged pump that is set to deliver fuel to a remote belly tank or day tank. Ace FuelSafe systems offer the following design features:

- Simplicity of design through constant focus on the service intended, with the capability to be readily connected to an electrical supply or fuel-system piping configuration.
- Modular design to maximize system applications, simplify installation, minimize design constraints and lower costs.
- The use of high-quality materials. UL-142-listed double-wall tanks feature a primer base and powder-coat finish.

For more: www.acetank.com.

If you have any comments, please e-mail Joe O'Brien at: jobrien@SourceNA.com

The State of Biodiesel

The United States Energy Policy Act of 2005 laid out new thresholds for alternative fuel use in the U.S. with an eye on reducing the country's reliance on traditional fossil fuels, namely gasoline and diesel. One of the more prevalent alternative fuels is biodiesel, which has been called "America's first advanced biofuel."

Biodiesel is defined as a renewable fuel for diesel engines, and is most commonly made from agricultural co-products and by-products, such as soybean oil, other natural oils and greases. It can be used in any blend in petroleum diesel fuel.

As one of the country's first widely accepted alternative fuels, biodiesel has seen a steady increase in production over the years (with the only declines experienced in 2009-10). Commercial production of biodiesel began in the U.S. in 2001 with 9 million gallons produced. From the 25 million gallons that were produced in 2004, production topped 1.1 billion gallons in 2011, with estimates by the National Biodiesel Board indicating that the 1.1-billion gallon production threshold was also reached in 2012. That total easily exceeds the 800-million gallon production target that can be found in the U.S. Environmental Protection Agency's (EPA) Renewable Fuel Standard (RFS).

Spurred by that expanded RFS, which went into effect in 2011, the U.S. Energy Information Administration (EIA) reported that 878 million gallons of biodiesel were consumed in the U.S. in 2011, up from 326 million in 2009 and only 263 million in 2010. The 878 million gallons that were consumed in 2011 marked the first time that biodiesel's yearly consumption percentage (1.5%) in the U.S. was greater than 1% of the total distillate fuel that was consumed by volume.

Traditionally, the U.S. has been a net exporter of biodiesel, but exports have begun to trend downward in recent years as the revised RFS has mandated more biodiesel use at home.

We will take a more in-depth look at another alternative fuel in the next issue of SourceLine.

Know Your NESHAPs (National Emission Standards for Hazardous Air Pollutants)

The U.S. Environmental Protection Agency (EPA) has developed its National Emission Standards for Hazardous Air Pollutants (NESHAPs) in conjunction with the 1990 Clean Air Act Amendments, which expanded the EPA's authority to regulate the emission of hazardous air pollutants (HAPs).

Section 112 of the Clean Air Act lists the [187 HAPs](#) that are regulated by source category, while the NESHAPs that have been created after 1990 are found in the Code of Federal Regulations' [40 CFR Part 63](#). These post-1990 standards require application of technology-based emission standards that are referred to as Maximum Achievable Control Technology (MACT) standards.

Enforcement of all NESHAPs are delegated to the individual states, but the EPA does assist in the implementation of the enforcement standards. In terms of compliance monitoring, the EPA conducts a series of site inspections to determine the level of compliance.

For more information on NESHAPs, MACT standards and HAPs, visit the EPA's [Air Toxics web site](#).

Trade Show Update

Source™ will be taking part in the annual NACS/PEI Show & Conference, which will be held this year from Oct. 12-15 at the Georgia World Congress Center in Atlanta, GA.

Did you know that there are also a series of NACS-type shows throughout the world called “Automechanika?”

Among the more popular are:

- Automechanika Mexico City, July 10-12
- Automechanika Shanghai, Dec. 10-13
- Automechanika Frankfurt, Sept. 16-20, 2014
- Automechanika Buenos Aires, Nov. 12-15, 2014

Source™ Details Stage II Decommissioning for Illinois at M-PACT Show in Indianapolis

The M-PACT Show, which is one of the industry’s most important regional gatherings for the petroleum and convenience industry, was held this year from April 16-18 in Indianapolis, IN. Source™ made its annual appearance at the show, displaying its state-of-the-art fueling equipment and systems.

As a special benefit for attendees at this year’s show, the Illinois Petroleum Marketers Association (IPMA), in conjunction with Source, presented a special seminar on “Stage II Decommissioning for Illinois.” Jeff Dzierzanowski, New Business Development Manager for Source, helped moderate the seminar, along with other contractors and IPMA members.

The seminar was important and topical because in May 2012, the U.S. Environmental Protection Agency (EPA) issued a final ruling stating that with onboard refueling vapor recovery (ORVR) in widespread use, all states and regions with Stage II Vapor Recovery programs in place had the option of removing the programs from their state implementation plans. This new ruling has set off a flurry of activity at state and local levels in regard to when specific Stage II rules may be rescinded. For example, the state of Illinois has not yet waived its Stage II requirements for the counties surrounding Chicago, but rule changes are scheduled to take effect on Jan. 1, 2014.

To help operators obtain the latest information on any Stage II Vapor Recovery developments, Source has developed a [Stage II Decommissioning Guide](#) that features an interactive map with up-to-date state-by-state information.



Tip of the Day

Solutions Design Group

Source™ offers multiple services by its Solutions Design Group, which is tasked with supporting customers and sales staff with expertise on fueling systems, piping layout and design, compliance and regulatory issues. For more info, contact Jim Gaszynski at jgaszynski@sourcenasolutions.com.



This Month’s Featured Product

Ace FuelSafe® ASTs

Ace FuelSafe® Aboveground Storage Tanks (ASTs) are designed to safely and efficiently transfer fuel without the added complexity that other systems promote. While the FuelSafe system can operate independently, Ace’s control packages allow each unit to operate in harmony with other FuelSafe packages.

