

# NJ State Fuel Tank Contract News

## NJ Relies on ConVault for Fuel Storage Because Safety is not an Option

### Ballistics Resistance

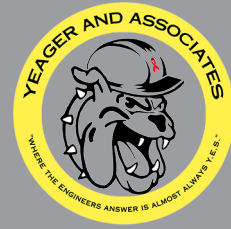
ConVault is the only fuel storage tank to carry the UL 752 Security Listing (Levels 5, 6, and 8) for ballistics resistance. The ConVault storage system has also passed the ratings requirements for armor piercing munitions specified by a number of organizations where protection and safety are a vital concern, including the following: National Institute of Justice (NIJ) Level 4; State Dept. (SD-STD-.02.01) Revision G; ASTM F-1233 and UL Level 9.

### Blast Effects Analysis

An analysis designed to determine the inherent blast resistance of the ConVault design indicated that the tank withstood different threat scenarios based on guidelines found in FEMA's *Reference Manual to Mitigate Potential Terrorists Attacks Against Buildings*. The blast loads investigated included explosions with high limit pressures:

- Suitcase Bomb (50 lb. HE-TNT centered 5' from the tank)
- Car Bomb (500 lb. HT-TNT centered 20' from the tank)
- Vapor Cloud Explosion

The ConVault tank would remain in place with no fuel leakage from the primary tank.



## State Contract Approved

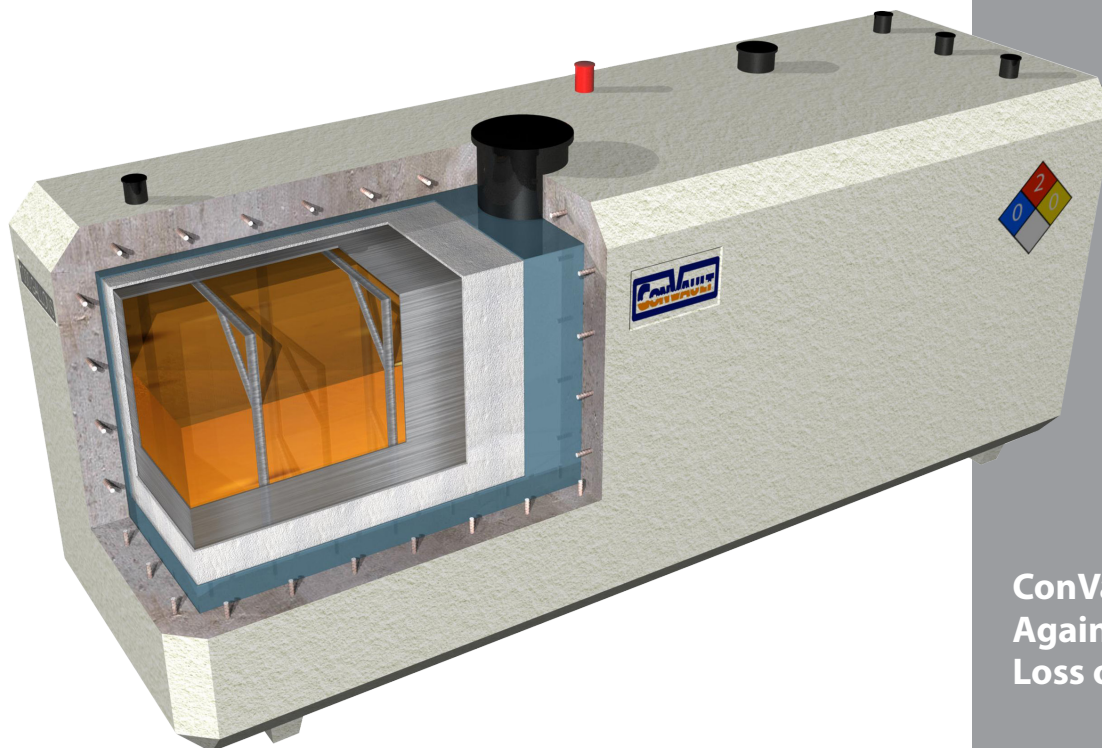
### Inside this issue

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- ConVault Fuel Tank
- SafeSite Dispensing System Controller
- Regulations
- NJ State Contract

Yeager Engineered Systems

January 2018



## ConVault Double Wall Model

- Inner and outer steel tanks with a closed secondary containment space that is a true void (no filling insulating material), allowing for reliable pressure testing and immediate migration of any leak to the monitoring point.
- A six inch reinforced monolithic concrete vault and HDPE liner that protects BOTH the primary tank and secondary containment steel tanks from corrosion and any safety concerns.
- The ConVault-DW conforms with the DoD Uniform Facility Criteria (UFC) specification guidelines for ALL fuel storage applications, including those located close to buildings or with integral fuel dispensers.



### ConVault Protects Against Catastrophic Loss of Life & Property

ConVaults have remained functioning during all types of catastrophes without damage to the primary containment.

#### Actual cases include –

- Tornadoes
- Fire
- Lightning strikes
- Flooding causing the ConVault to be completely under water
- Snowstorms that buried the ConVault deep under snow
- Category 5 hurricane
- Airplane impact
- Vehicle impact
- 200 ton Silo collapse on a ConVault
- Terrorist Attack

# SafeSite Dispensing System Controller

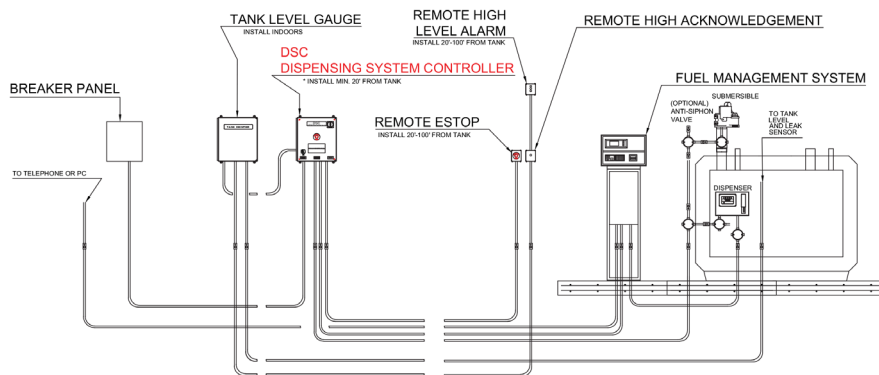
The SafeSite Dispensing System Controller (DSC) is designed to serve as a single point power connection and control system that integrates all components of a fuel dispensing system.

The SafeSite DSC is pre-engineered and can be installed indoors or adjacent to your tank and dispensing area (min. 20 – max. 100 feet). Controller logic manages the emergency stop on/off for each device, as well as the integrity of the emergency control circuit.

Unlike other control systems, the emergency stop breaks both power and neutral (per NEC code). The DSC is delivered with your tank along with a site schematic showing conduit layout and a specific point-to-point wiring diagram for each equipment component in the system. This helps simplify installation and minimize site expenses.

## SAFESITE™ DSC (Dispensing System Controller)

Equipment and Conduit Layout  
Submersible Pumps and Dispensers



ConVault and SafeSite  
products are offered by  
Core Engineered Solutions

[www.core-es.com](http://www.core-es.com)

**Core**   
**engineered solutions**

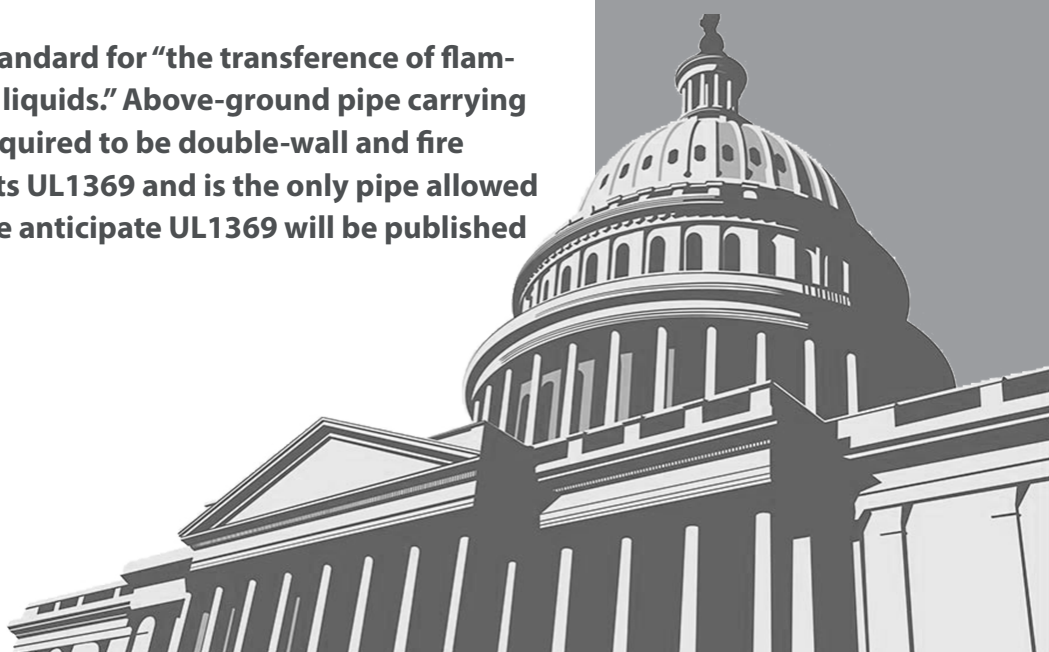
*safety. compliance. reliability.*



**SafeSite**   
**advanced filtration system**

## Regulations You Need to Know

- EPA and NJDEP require all underground storage tanks to be tested at pipe sumps, fill boxes, overfill valves and level alarms by **October 13, 2018. Failure to do these tests could result in your tank being locked out of service.**
- NFPA 110 requires fuel testing for important diesel tanks at least once a year. We have a simple but thorough program using South West Research Institute—the nation’s leading fuel test expert. All of the contractors listed in this newsletter can take your sample, organize the shipment, receive the verified readings, and help your organization understand if your fuel meets ASTM specifications.
- SAE J1488 version 2010.10 is the filtration standard adopted by several government agencies and a multitude of fortune 500 companies. Learn why biocides actually create more of the acidic levels that lead to corrosion. Several NJ communities have already installed filtration systems at fuel dispensing sites, emergency generators, well and pump stations, and others.
- UL1369 is the new UL standard for “the transference of flammable and combustible liquids.” Above-ground pipe carrying or storing fuel will be required to be double-wall and fire rated. BRUGG pipe meets UL1369 and is the only pipe allowed on the state contract. We anticipate UL1369 will be published in May of 2018.





## Top 5 Reasons to Use the NJ State Contract

- 1. Price** – ConVault tank prices reflect 2010 pricing and are the lowest prices you can find.
- 2. Quality** – All of our manufacturers are top-of-the-line. These include ConVault, Veeder-Root, Universal Valve, and BRUGG.
- 3. Speed** – All of the contractors listed in this newsletter:
  - Have 24-hour emergency services for fuel spills, leak alarms, pump down, shear valve repair or replacement, high host heavy duty hose retriever, replacement manhold lids, etc.
  - Have fast service for the replacement of components by any manufacturer.
  - Begin construction the day the tank arrives and stay on the job until it is finished, unless otherwise designed by owner.
- 4. Service** – All of the installers in this newsletter are 5-star contractors. They are licensed, fully insured, show up and finish on time. All are members of NJ Petroleum Contractors Association. They know the current codes, as well as those that are forthcoming.
- 5. Free Design Assistance** – Yeager Engineered Systems, a nationally recognized municipal and commercial fuel expert, has been charged with assisting, planning, reviewing, providing cost and time of construction estimates, etc. We can work with your engineer, DPW supervisor, or whomever you direct.

Call Today for a Free Site Assessment

Wesley R. Yeager (973) 534-4425

[wesley.yeager@trustedvendor.com](mailto:wesley.yeager@trustedvendor.com)



# New Fuel Equipment for Safer Sites: We Can Help.

**The DPW Cube: 400 Gallon &  
Outdoor Ready.**



## **Diesel Fuel Quality Testing: Automated Fuel Filtration Systems.**

DieselPure specializes in the development of fuel filtration systems for mission critical facilities. This technology offers a fuel management system that reduces the possibility of an emergency generator failure due to contaminated fuel.



### **DieselPure Automatic Fuel Filtration Systems Provide the Following:**

- Cleans dirt, particulate & biological growth down to submicron levels
- Cleans fuel of free standing & suspended/emulsified water
- Cleans fuel & tanks of water & microbial growth
- Cleans fuel deliveries with an automatic start-up
- Cleans water by-product extracted from fuel & tanks with SmartSponge technology

### **DPW Cube Features & Benefits:**

- 6 GPM 120V Pump
- Robust Double Wall Containment
- Outer Tank Holds 110% of Inner Tank Volume
- General Construction Inspection Approval
- Z-40.21-510
- Hinged, Lockable Lid
- Integral Sump
- Electronic Overfill Sensor
- Optical Bund Alarm
- 2" Dry Tanker Coupling
- Liquid Level Gauge
- Auto Nozzle and Nozzle Holder

**Do you know what's going on inside your diesel fuel tank?**

## New 3<sup>rd</sup> Party Monitoring.

The TLS-450PLUS automatic tank gauge provides the most comprehensive fuel site data for advanced fuel asset management. Combining industry leading algorithms with enhanced security, real-time notification, and anywhere, anytime access, the TLS-450PLUS keeps your site running profitably.

**"I NEED A POWERFUL  
AND PROVEN WETSTOCK  
MANAGEMENT SOLUTION."**

**PROBLEM SOLVED.**



## Road and Walkway Safety.

Bollard covers enhance and protect the appearance of bumper post steel bollards in all indoor and outdoor applications.



### Features:

- 10 Standard Colors
- 7 Reflective Tape Colors
- 8 Standard Sizes for 4", 6", 8" & 10"
- Patented GripperTabs installation is the fastest way to secure bollard covers

### Construction:

- 1/8" Thick Polyethylene
- 3M #680 Reflective Tape



### The TLS-450PLUS automatic tank gauge provides:

- Proven Protection - Maintain control of your fueling operations using the automated compliance and site management solutions of the TLS-450PLUS to always know the status of your business.
- Proven Precision - Remote connectivity on the TLS-450PLUS allows access to accurate wet stock management and leak detection information at all times.
- Proven Profit - Operate at peak efficiency with the TLS-450PLUS monitoring system, reducing inventory shortages and site downtime.
- Proven Partner - Veeder-Root automatic tank gauges are the high quality wet stock management solutions with a long history of reliability and precision. Our products help achieve results that matter and the protection your business deserves.

## EPA States 82% of Tanks Show Moderate to Severe Corrosion.

### Do You Know What's Going on in Your Fuel Tank?

We use SWRI, the nation's laboratory, for testing, and provide you with:

- Accurate Results
- Detailed Reports
- Expert Consultations
- Cost Effective Solutions (if required)

Yeager Engineered Systems  
also Represents: OMER Heavy Duty

KarLift Solutions Wireless  
Column Lifts

Made in GERMANY

The only one piece SOLID H-Beam column in the industry, not welded nor fabricated

VALIDATED  
ALL  
CERTIFIED  
BY ETI

KLS18 Series  
KLS16 Series

OMER



Urban Transit  
Motor Coach



Surface Mount  
"Galvanized"  
Continuous Base



### TLS Specialty Double Scissor Lift - 10,000 lbs Capacity



- Compact design - Rugged Construction.
- Versatility and ease of use.
- Stays level all the the time.
- Lower maintenance - Less downtime.
- Built for safety.
- Unobstructed access.
- Easy Vehicle Spotting.
- Low profile approach ramps or flush mount options.





## Fashion Canopies

**Enhance the visibility, image, identity and appeal of any location while providing shelter and security for your customers.**

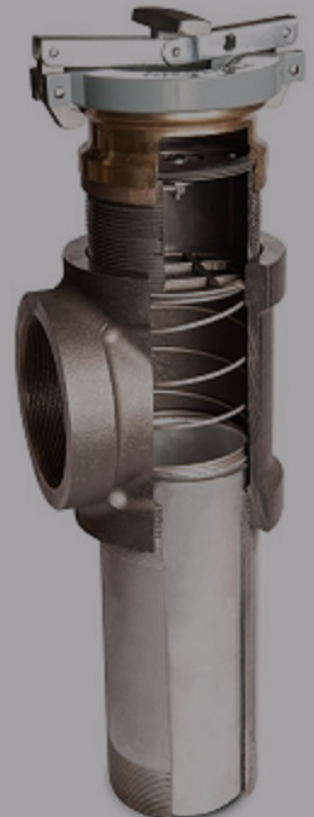


*Fashion*

At Fashion we pride ourselves on offering products that combine unsurpassed aesthetics with exceptional structural integrity. All Fashion products are manufactured using premium materials to ensure long life durability and low maintenance.

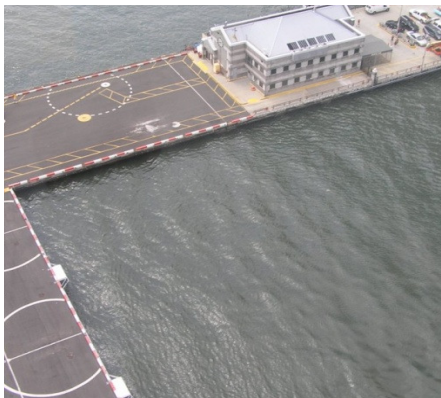
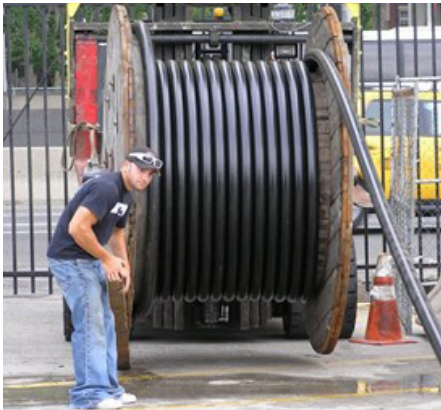
## Universal Valve - EPA Compliance Products

**Spill Containment Manholes**  
**Overfill Prevention Valves**  
**All Metal Caps and Adapters**  
**Sump Repair –Retrofit Lid**  
**Hose Retrievers and Retractors**



# Flexwell : Double Wall Stainless Steel Pipe UL 971

BRUGG Pipesystems has changed the way fuel piping is installed in floating dock marinas. Using our FLEXWELL-HL double wall stainless steel pipe, we eliminated any connections above water. In many cases pipe runs are "home runs" from tank to dispenser. To achieve this leading approach in marina fuel piping, BRUGG utilizes the inherent flexibility of the pipe to compensate the tidal change that occurs in floating dock marinas. Through several unique designs, BRUGG has designed and installed systems with tides up to 17 feet.



## ABOVEGROUND PIPING – NEW UL/ULC 1369

### Why Brugg?

- **Highest Standard of Pipe available for the transfer of flammable petroleum products**
- **Highest flow rates**
- **Highest flexibility**
- **Fire Rated to 1700F**
- **4 basic choices of pipe**
- **Flexwell – stainless steel inside stainless steel inside LDPE (UL 971A)**
- **Flexwell MP, non-UL971A medium pressure pipe 360psi**



**BRUGG** PIPESYSTEMS  
Flexible solutions



**A & J Construction**  
**State Contract #: 42269**  
 5026 Industrial Road  
 Farmingdale, NJ 07727  
 (732) 919-3850  
 Allen Montefusco  
 allenm@ajconstruct.com



**Aurora**  
**Environmental Inc**  
**State Contract #: 42274**  
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 (800) 464-0519  
 John DiGregorio  
 john@auroraenvironmentalinc.com



**C-3 Technologies**  
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 North Brunswick, NJ 08902  
 (732) 348-8570  
 Manny Alvarez  
 malvarez@c-3technologies.com



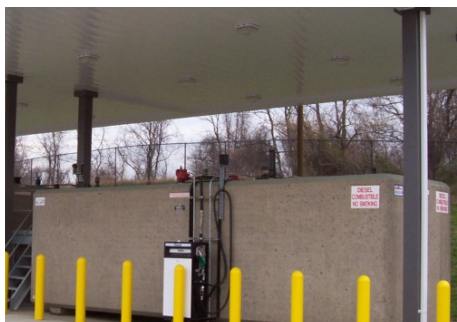
**C-3 TECHNOLOGIES**  
 COMPLIANCE, CALIBRATION, AND CONSTRUCTION SERVICES  
 TO THE PETROLEUM INDUSTRY

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 Chris Trebus  
 ctrebus@independenceconstructors.com



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 CONSTRUCTORS**  
 (908)625-7910

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