Aboveground Fuel Tanks

Safe
Convenient
Cost-effective
Interest in the preservation of our environment has prompted all levels of many governments to issue strict guidelines for the installation, operation and removal of underground storage tanks (UST’s). As a result, owners and operators are faced with tedious and complicated rules and paperwork. They may also be faced with expensive upgrades, purchase of monitoring equipment, testing, and obtaining pollution liability insurance to comply with these requirements. In the event of a leak, the actual costs for soil and groundwater clean-up can be catastrophic. As aboveground storage tanks (AST’s) replace UST’s on a more regular basis, strict guidelines are being issued for AST’s as well. ConVault's innovative Protected AST’s are the proven solution for these problems.

**Engineered for Safety**

ConVault Protected AST’s are engineered to survive in the real world. Utilizing patented manufacturing procedures, the resulting product is a tank for flammable liquids seamlessly encapsulated in six-inch thick concrete with integral secondary containment, thermal stability, vehicle impact protection, and projectile protection. The system contains no cold joints or heat transfer points on the bottom or the sides.

ConVault primary steel tanks (including spill containment basins) are fabricated in accordance with UL 142 (Seventh Edition). Each unit is pressure tested twice at the factory using ConVault patented processes to insure proper performance in the field. ConVault protected AST’s are shop-fabricated under strict quality controls in accordance with UL 2085 and ULC-S655 and ULC-S602 for

Protected Tanks. Primary and secondary containment are independently tested at the plant in accordance with UL and ULC requirements. The ConVault Protected AST is listed in accordance with UL 2085, ULC-S655, and ULC-S602 Insulated/Secondary Containment for Aboveground Storage Tanks, Protected Type.

The six-inch thick (6") concrete exterior acts as a thermal mass reducing temperature variations, provides a non-corrosive, durable exterior, and provides protection for the secondary containment.

The ConVault Protected AST system has passed numerous performance tests including 2-hour liquid-pool and furnace fire tests, vehicle impact test and projectile resistance test. Numerous real life events have also proven the safety of the system. The end result: owners and operators of ConVault Protected AST’s are provided with PEACE OF MIND.

**The Aboveground Solution to the Underground Problem**

Each ConVault Protected AST is exhaustively production tested at the factory before shipment to its destination. ConVault Protected AST’s meet NFPA 30, 30A and 31: UFC, BOCA, SBCCI, and International Fire Code fire safety requirements and provide grounding connections in accordance with NFPA 780. ConVault Protected AST’s have been approved by environmental and fire protection officials in all states of Australia, all provinces of Canada, all states of the USA, and
by government officials of the Czech Republic, England, Finland, Germany, Poland, Russia, and Slovakia.

The California Air Resources Board has certified ConVault Protected AST’s for Phase I and II balanced vapor recovery, including methanol/ethanol blends. ConVault Protected AST’s meet all safety requirements for primary and secondary containment, leak monitoring, spill containment and overfill protection. Specific jurisdictions may have special requirements for tank accessories. Contact your local representative for local regulations.

With the first installation in 1986, over 27,000 tanks are now in service at extremely diverse locations in over 20 different countries without a single reported system failure to date! It is this historical performance that has been the cornerstone of regulatory comfort with the ConVault protected AST product.

To meet your fuel storage needs, ConVault Protected AST’s are manufactured in sizes ranging from 125 to 12,000 US gallons, or 500 to 45,000 liters (including multi-compartment options). ConVault AST’s have a 20 or 30 year warranty. ConVault Protected AST’s are produced at manufacturing sites around the world. The unit is shipped as a finished assembly, normally limiting the need for major on-site work to providing a concrete pad and electrical service. Although the units are intended for stationary service, in the event of changing requirements they can be moved and reinstalled. ConVault Protected AST’s are thus an asset, compared to UST’s or “tanks in dikes” which are usually considered a liability.

Always consult local fire and building codes before installing a ConVault Protected AST since environmental and fire safety regulations can vary between jurisdictions.

To find out more about ConVault products, please visit the web site at www.unitedconcrete.com or call 800-234-3119
At last there is an environmentally safe and practical alternative for storing petroleum-based products: ConVault’s complete aboveground vaulted tank and fueling system. Constructed of steel and housed in an attractive concrete vault, the double containment tank is a state-of-the-art, cost-efficient way to meet your storage needs.

**Put the storage tank of choice to work for you - ConVault.**