

Service Station

Market Segments:

- Chemical Processing
- Fuel Storage
- Tanks

Composite Application: Underground Fuel Storage Tank

Resin: Isophthalic Polyester

Manufacturing Process: Hand Lay-Up/
Filament Winding

Capacity: 6,000 gal (22,700 L)

Years Installed: 1965 -1991

Location: Schaumburg, IL, USA



The composite fuel tank was buried under a service station in 1965. The AOC isophthalic polyester was the first to achieve Underwriters Laboratory recognition for corrosion resistance and structural integrity.

For more than a quarter century, the isopolyester resisted corrosive attack from hydrocarbon fuels, moisture and aggressive soil conditions. This performance prevented gasoline and diesel fuel from leaking into the surrounding groundwater.

The tank was excavated in the summer of 1990 to accommodate new highway plans that overlapped onto the station property. The vessel was in such excellent condition that engineers decided to use it again. The tank was reburied in 1991 at a new station down the road where the vessel's isopolyester structure continues to resist both internal and external corrosion.

The light weight of the composite versus steel facilitated installation. Composite components in underground and aboveground sections are in very good condition after decades of use.



Service Station, continued

About Containment Solutions

Headquartered in Conroe, Texas, Containment Solutions, Inc., offers the industry's greatest number of innovative products for the storage and handling of liquids. From manufacturing plants in Pennsylvania, Texas and California, Containment Solutions supplies a wide range of fiberglass composite underground vessels, including tanks for petroleum products, water, chemicals, sewage and manholes. For more information about Containment Solutions products and services, call 1-877-CSI-TANK (274-8265) or visit www.containmentsolutions.com.

About AOC

AOC is a leading global supplier of resins, gel coats, colorants, additives and synergistic material systems for composites and cast polymers. AOC knows technology, lives quality and delivers service better than any other composites resin supplier. For more information, e-mail corrosionresins@aoc-resins.com, phone (901) 854-2800 or go to Corrosion-Resins.com.




Vipel[®]
CORROSION
RESISTANT RESIN