

Industrial Wastewater & Chemical Tanks (IWCT)

Working with IWCT experts from start to finish

Xerxes' expert engineers and sales teams have worked with customers for decades to manufacture customized fiberglass industrial wastewater tanks with the exact material and design needed for underground storage of the specified contaminated liquids.

Fire-fighting foam runoff storage tanks

Safe containment of firefighting-foam runoff – such as synthetic fluorine-free foam (SFFF) and aqueous film forming foam (AFFF) – requires an onsite collection plan. Xerxes storage tanks provide safe containment and proper disposal of this runoff to keep it from being released into groundwater or nearby water sources.

Contaminated runoff collection tanks

When the contents of landfills degrade, leachate seeps into the soil and nearby water sources. When industrial sites' washdown or emergency spills are not contained, pollutants such as heavy metals, pathogens and hazardous liquids enter groundwater and water systems. Xerxes tanks securely store contaminated runoff at these sites.

Decontamination storage tanks

When businesses and industrial sites need to safely remove contaminants from personnel, equipment, tools, floors and surfaces in their facilities, double-wall decontamination tanks meet the relevant regulatory requirements for storing contaminated liquids. The watertight tanks reduce the risk of costly leak-related cleanups and maintenance.

The IWCT process

- Customer fills out the IWCT application form
- Engineering team reviews the applications
- Chemical scientist reviews application as needed
- If approved and tank is ordered, engineering team works on design with production teams on approved tank design
- Tank is manufactured to perform to regulatory and customer requirements



Fire sprinkler runoff collection tanks

After a fire occurs at residential, commercial and industrial sites, sprinkler runoff includes pollutants. In industrial sites, the potential is heightened for harmful contaminants to enter groundwater, water sources and municipal water systems. A Xerxes tank can be configured to securely contain any kind of contaminated runoff.



Industrial Wastewater & Chemical Water Tanks



Adding a Xerxes leak-detection system to a double-wall tank provides peace of mind that contaminants are securely contained even in the most sensitive environments.



Typical applications

- Laboratories
- Emergency operation centers
- Industrial manufacturing facilities
- Food processing facilities
- Airports and private aircraft hangers
- Aircraft manufacturing and testing facilities
- Military facilities and sites
- Landfills and waste collection sites
- Metal disposal sites
- Land reclamation projects

Advantages over other tank options

- **100% corrosion-resistant inside and out**
- Cylindrical tank's smooth interior walls make cleaning easy when required
- **Watertight, one-piece tanks avoid costly onsite construction**
- Secure storage provides peace of mind in any location
- **Ideal for installation in tight site footprints**
- Single-tank sizes up to 12-foot diameters and 60,000-gallon capacities
- **Easy to ship to remote or hard-to-access locations**

For over 45 years, Xerxes has designed and manufactured fiberglass underground storage tanks for fuel, water and wastewater. Xerxes' most recent expansion is its HydroChain™ stormwater product line — highly engineered products with site-specific designs for stormwater management solutions. Xerxes is a key brand of Matr, a global materials technology company serving critical infrastructure markets.