ZCL | Xerxes is an industry leader in the design and manufacture of fiberglass-reinforced plastic (FRP) tanks. Over the past 40 years, we have protected the environment with secure, watertight fuel storage solutions. Our proven track record – of more than 200,000 tanks shipped – gives customers peace of mind when they need corrosion-resistant liquid storage.

We also provide customers in the water and wastewater markets with durable, innovative and customizable storage tanks. Our expert sales, engineering and manufacturing teams provide customers with high-performance solutions to fit the requirements of their projects.

**WATER AND WASTEWATER APPLICATIONS**

- Onsite wastewater/septic
- Stormwater
- Rainwater harvesting
- Wastewater reuse
- Fire protection
- Potable water storage (NSF 61-listed)
- Grease interceptor
- Oil interceptor
- Solids-sand interceptor
- Oil-water separator
- Industrial wastewater
- Decontamination

**THE ZCL | XERXES ADVANTAGE**

- Single-wall and double-wall models
- Single tank sizes up to 60,000 gallons [227,000 liters] for some applications
- Wide range of underground and select aboveground installations
- Single-tank and multiple-tank installations
- Horizontal and vertical models
- Accessories to fit wide range of applications

**DESIGN FLEXIBILITY**

**EASY TO SHIP, INSTALL AND MAINTAIN**

- Lightweight – easy and cost-effective to ship
- Six strategically located manufacturing facilities across North America
- Large-capacity tank can ship on one truck bed
- Easy to install in remote locations
- Easy to install in tight footprints
- Smooth, rounded tank walls easy to clean – debris doesn’t get trapped in corners

**THE FIBERGLASS ADVANTAGE**

ZCL | Xerxes FRP storage tanks offer customers significant advantages over other tank options. Our water and wastewater tanks comply with the ANSI/AWWA D120 standard.

Depending on the application, they also comply with other industry standards. (See specific application sections for more details.)

**MATERIAL ADVANTAGES**

- Corrosion-resistant to surrounding soil
- Corrosion-resistant to stored liquids
- Premium resin – no fillers
- No protective lining or coating needed
- Watertight design
- No ongoing maintenance or inspections required

**STRUCTURAL STRENGTH**

- Not limited by burial depth
- Not limited by water table
- Tanks designed to withstand H-20/H5 and H-25/HS-25 axle loads
- Integral, high-profile fiberglass ribs increase strength
- Vacuum testing available for certain applications
In both onsite and municipal wastewater systems, secure storage of corrosive wastewater is essential. Our corrosion-resistant tanks provide watertight storage with no need for added liners, which require ongoing inspection and maintenance. The smooth, rounded walls of our tanks are easy to clean and won’t trap debris like tanks with corners.

Our tanks can be part of onsite septic systems. They can be manufactured to comply with the IAPMO/ANSI Z1000 standard.
FIRE PROTECTION TANKS

Our tanks can be used to store either primary or secondary water supplies for fire protection. Municipalities and developers often install fire protection water tanks when developments are far from municipal water supplies. The tanks are also an ideal solution for sites that don’t have sufficient water volume or pressure for fire protection needs.

The tanks can provide water for a building’s sprinkler system or give fire trucks quick, easy access to water for dry-hydrant connections. Our fire protection tanks comply with NFPA 20, 22 and 1142 standards. When used as dual-purpose water tanks that store potable water, they are available as NSF 61-listed (and labeled) tanks.

Case Study: Supplemental Water

As Stantec developed the design for a Toronto college’s new aerospace center, they realized that the available fire protection water flow from the onsite system did not meet the city’s requirement for water supply. Three ZCL | Xerxes 35,000-gallon [132,000-liter] tanks now provide the supplemental water. This installation took less than four hours from offloading to burying the tanks.

POTABLE WATER TANKS

ZCL | Xerxes NSF 61-listed potable water tanks are manufactured in our NSF-certified facilities. Our potable water tanks have a 30-year limited warranty.

Locations with remote water sources or low-performing wells require water storage tanks. Some customers store potable water and fire protection water in the same vessel.

TYPICAL APPLICATIONS

- Parks
- Schools and churches
- Campgrounds
- Private residences
- Subdivisions
- Hospitals (emergency storage)

Case Study: Water for Remote Sites

When the US Forest Service needed to install potable water tanks in their campgrounds, they came to ZCL | Xerxes because they needed corrosion-resistant tanks with an NSF 61 label. They also needed lightweight tanks. Remote sites like these require tanks that are easy to offload in a parking lot or narrow road and then moved to the excavation with a small crane or excavator. We provided hinged, lockable lids for the risers, and gel coated them to blend into the forest environment.
**WATER AND WASTEWATER FIBERGLASS STORAGE TANKS**

**INTERCEPTOR AND SEPARATOR TANKS**

**GREASE INTERCEPTORS**

Food-service establishments install grease interceptors to collect fats, oils and grease (FOG) before wastewater enters the municipal or onsite wastewater systems.

Aging grease traps built out of steel or concrete inevitably fail over time because they are not corrosion-resistant. When they fail, local governments may have to pay substantial costs for sewer system cleanup. Facility owners may incur fines in addition to the cost of repairing or replacing their grease-trap system. Our fiberglass grease interceptor is a long-term, cost-effective solution that comes with a 30-year limited warranty.

ZCL | Xerxes fiberglass grease interceptors do not require ongoing maintenance aside from scheduled pump-outs. The tank’s rounded shape allows for easy pump-out and cleaning.

**OIL INTERCEPTORS**

Business owners install oil interceptors to prevent environmental pollution and avoid costly fines. Drains in parking garages, vehicle-maintenance facilities and manufacturing plants collect water runoff. Oil interceptors slow the water flow so oil can float to the surface and sediment can fall to the bottom of the tank.

**SOLIDS-SAND INTERCEPTORS**

These ZCL | Xerxes tanks allow for heavier solids, sand and grit to drop out of suspension prior to leaving the facility. Some facilities need a two-step separation process, which is met by installing our solids-sand interceptor in combination with either our oil interceptor or oil-water separator.

**OIL-WATER SEPARATORS**

Our oil-water separators remove free-floating oils and settleable sands from oil-water mixtures. A coalescer option is available to produce effluent quality acceptable to most regulatory requirements for water runoff. Our oil-water separators are available as labeled tanks indicating they are UL 2215-listed and ULC S656-listed models.

**TYPICAL APPLICATIONS**

**OIL INTERCEPTORS**

- Auto dealerships
- Car washes
- Vehicle maintenance facilities
- Parking decks

**SOLIDS-SAND INTERCEPTORS**

- Car-wash bays
- Hospitals
- Schools and universities
- Grocery and convenience stores

**OIL-WATER SEPARATORS**

- Parking lots
- Equipment washdown stations
- Vehicle repair garages

ZCL | XERXES

**TYPICAL APPLICATIONS**

- State, provincial and municipal transportation facilities
- Food-processing plants

**TYPICAL APPLICATIONS**

- State, provincial and municipal transportation facilities

**Case Study: Mall Food Court**

Most restaurants and food-processing facilities need a single grease interceptor, but larger projects can require more. We provided 20 grease interceptors to an upscale mall in Northern California. In this highly regulated, environmentally sensitive location, our corrosion-resistant tanks provide maximum environmental protection.

**TYPICAL APPLICATIONS**

- State, provincial and municipal transportation facilities
- Food-processing plants

**TYPICAL APPLICATIONS**

- Bulk fuel plants
- Truck stops

**TYPICAL APPLICATIONS**

- State, provincial and municipal transportation facilities

**TYPICAL APPLICATIONS**

- Food-processing plants

**TYPICAL APPLICATIONS**

- State, provincial and municipal transportation facilities
Our corrosion-resistant fiberglass tanks are ideal for factory washdown, emergency spills and landfill leachate runoff. The tanks securely collect benign or hazardous materials before they are treated or removed from the site. We offer single-wall tanks and double-wall tanks with interstitial monitoring for added protection.

We also manufacture tanks to collect chemically contaminated fire-protection water and aqueous film-forming foam (AFFF) runoff.

**INDUSTRIAL WASTEWATER TANKS**

TYPICAL APPLICATIONS

- Food- and beverage-processing facilities
- Aircraft hanger AFFF collection
- Shower decontamination
- Landfills
- Chemical-fire contaminated-water collection

**DECONTAMINATION TANKS**

Medical centers, laboratories and manufacturing facilities remove chemical and biological contaminants from personnel, clothing, equipment, floors and other surfaces. Our corrosion-resistant decontamination tanks securely store the decontamination washdown.

**ACCESSORIES**

We offer a wide selection of accessories and fittings to support a variety of project and site requirements. Our sales and engineering teams help customers find the right solution for their projects.

**COMMON ACCESSORIES**

- Access openings/manways
- Access risers/extensions
- Baffles, weirs and partition walls
- Pump platforms
- Anti-vortex plates
- FRP or PVC pipe penetrations
- FRP or PVC flanged fittings
- NPT threaded fittings
- Engineered anchoring systems
- Other accessories available

**TYPICAL APPLICATIONS**

- Industrial manufacturing facilities
- Hospitals
- Laboratories
- Medical facilities

**US TANK DATA CHART**

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<thead>
<tr>
<th>Nominal tank capacity (gallons)</th>
<th>Single-wall tank weight (pounds)</th>
<th>Double-wall tank weight (pounds)</th>
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**CANADIAN TANK DATA CHART**

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</table>
MULTIPLE FACILITIES FOR TIMELY MANUFACTURING AND DELIVERY

With six ZCL | Xerxes manufacturing facilities in North America, no matter where customers need fiberglass tanks and accessories shipped, a manufacturing facility is not far away. No other tank producer offers this kind of manufacturing capability in North America.

In April 2019, ZCL | Xerxes became a product line of storage tanks within the Composite Production Systems division of Shawcor Ltd. Shawcor continues to grow significantly, expanding both its service offerings and geographical scope. The Shawcor network is engineered to handle your most challenging projects and most demanding specifications – wherever you are in the world.