

Ensuring Compliance & Protecting Resources

With Floating Covers



TITAN

BUILD YOUR LEGEND

BENEFIT

1

Methane & Gas Emissions Capture

Floating covers efficiently capture and contain methane and other greenhouse gases generated in wastewater and biogas applications, helping utilities comply with increasingly strict state regulations on atmospheric emissions.

By preventing uncontrolled release, covered facilities support local, state, and national climate objectives while enabling gas recovery for renewable energy use.

BENEFIT

2

Odor Control & Community Standards

Odor pollution from treatment lagoons and storage reservoirs can harm community relations and fall short of environmental standards.

Prefabricated floating covers form a physical barrier that traps odors, helping utilities stay in compliance with nuisance abatement regulations and improving quality of life for neighboring communities.

Floating covers significantly cut emissions of methane and hazardous gases while effectively containing odors, helping utilities achieve regulatory compliance and maintain strong community relations.



BENEFIT 3

Water Quality Protection & Wildlife Safety

Floating covers provide a physical barrier that **prevents wastewater from escaping lagoons or storage ponds and contaminating local groundwater, rivers, and lakes.** Protecting drinking water sources and natural habitats.

These covers also restrict wildlife access, stopping birds and animals from ingesting or contacting hazardous substances, which significantly reduces the risk of illness or death in local fauna and helps utilities meet strict environmental and public health regulations.

BENEFIT 4

Evaporation Reduction & Resource Conservation

In drought-prone regions, **water conservation is critical to regulatory compliance.**

Floating covers curb evaporation losses from reservoirs, ponds, and lagoons, supporting regulatory mandates for responsible water management and helping utilities meet conservation goals.

Prefabricated geomembrane floating covers safeguard local water sources from wastewater contamination and wildlife exposure while dramatically reducing evaporation losses.



BENEFIT

5

Turnkey Compliance

Titan-made prefabricated geomembrane floating covers are **manufactured to the highest industry standards for chemical resistance and durability.**

Factory-seamed pre-fabricated panels speed up installation timelines and enhance quality control, eliminating onsite welding variability and reducing labor costs - all while delivering reliable compliance with environmental regulations.

BENEFIT

6

Potable Water Protection

Floating covers create a secure barrier that prevents airborne debris, organic matter, pathogens, rainwater and external contaminants from entering potable water reservoirs.

The decreased rainwater into contaminated water lowers overall volume requiring treatment and ultimately reduces overall costs.

These covers also restrict wildlife access – preventing birds and animals from entering or contaminating drinking-water reservoirs. This helps utilities **maintain high water quality, reduce treatment demands, and comply with strict drinking-water safety standards.**

By blocking sunlight and limiting external exposure, floating covers also inhibit algae growth and protect disinfectant residuals, helping facilities maintain system integrity and safeguard public health.



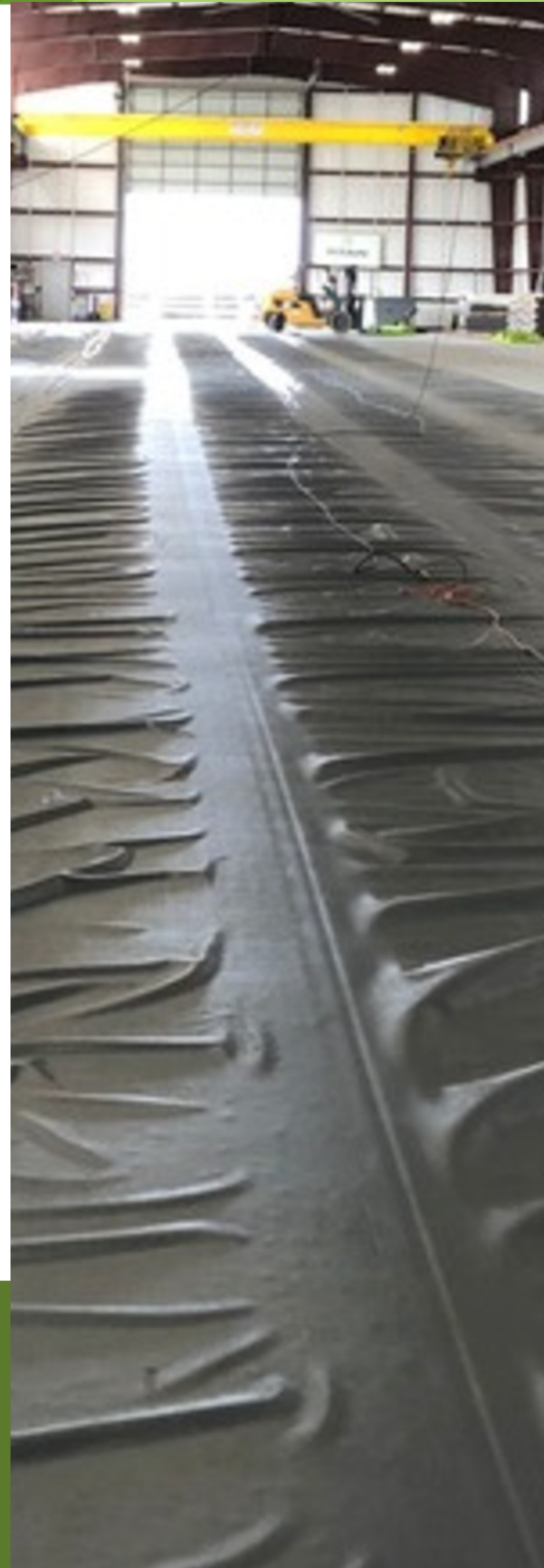
TITAN-MADE PRODUCTS

Prefabricated Floating Cover Solutions

- Custom-fitted prefabricated panels for seamless installation, reduced cost, and smooth regulatory inspections.
- Types of covers available:
 - Defined sump
 - Biogas
 - Odor control
 - Modular insulated
 - Evaporation
 - Short-term
 - Irrigation
 - Raw water
- Durable geomembrane materials include HDPE, LLDPE-R, XR3, XR5, and others, offering broad chemical, UV, and temperature resistance.
- Proven project success in wastewater, potable water, irrigation, and raw water applications across North America.

DE-RISK YOUR DESIGN

Specify a proven and compliant floating cover solution



Are Your Facilities Ready for the Next Compliance Deadline?

Titan Environmental is recognized across North America as a complete supply-and install solution provider of floating cover systems that deliver reliable regulatory compliance, environmental protection, and operational savings.



Contact us

[Request a quote](#) or book a project specific consultation.

We provide installation resources for contractors and on-site installation assistance on request.

Titan Environmental supplies proven geosynthetics and specialty civil engineering construction solutions designed to extend the life of vital infrastructure while protecting precious natural resources.

We push limits with creative solutions. Our product lines include geomembranes, geotextiles, geogrids, primary & secondary containment systems, stormwater management solutions, drainage solutions, MSE wall & slope systems, and erosion & sediment control products. We service the road construction, agricultural, waste management, water resources, mining, oil and gas, and hydroelectric industries that support essential infrastructure worldwide. By providing engineers with a resilient foundation for building better, we've become North America's fastest-growing-end-to-end geosynthetics supplier, fabricator and installer.

We do more than help manage environmental impact, we help improve how that's done. With a team of audacious innovators and agile problem-solvers, we're trusted to adapt to change, respond quickly, and support you at every stage. When you build with Titan, you strive for your very best.