



Decontamination Wastewater Storage Tanks April 2025



Highland Tank High-DRO® Decontamination Wastewater Storage Tanks are required at medical facilities to store HAZMAT wastewater. www.highlandtank.com

SECURE CONTAINMENT OF HOSPITAL DECONTAMINATION RUN-OFF

Healthcare workers risk exposure to chemical, biological, radiological, or nuclear (CBRN) materials when their medical facility receives patients contaminated with these substances during incidents related to natural disasters, chemical weapons, dangerous drug residue, or other possible scenarios.

Guidance documents, such as the Occupational Safety and Health Administration (OSHA) Best Practices for Hospital-Based First Receivers of Victims from Mass

Casualty Incidents Involving the Release of Hazardous Substances, recommends that hospitals with an emergency room should be prepared to decontaminate incoming mass casualty victims.

Permanent decontamination facilities are generally recommended because these facilities can be activated quickly, can function well in harsh climates, and offer reliable long-term service, even during a natural disaster. These permanent facilities usually contain decontamination showers as a critical step in the

overall decontamination process. Decontamination wastewater is wastewater generated as a result of decontamination activities performed at medical facilities that may contain CBRN substances.

Wastewater utilities are required to detect and detain decontamination wastewater containing CBRN substances.

Standard protocols for decontamination activities include procedures to prevent runoff of decontamination wastewater and contain it on-site in holding tanks until it can be analyzed and disposed of safely.

Decontamination Wastewater Storage Tanks are required at medical facilities to hold or store wastewater generated because of decontamination activities performed to remove CBRN residue or hazardous materials (HazMat) from equipment or personnel. These “tight” tanks are available for either underground or aboveground installations and are designed to store a wide range of contaminated wastewater.

Applications

- Hospitals
- Military Bases
- Nuclear Energy Centers
- Industrial and Petrochemical Plants
- First Responder Facilities
- Research and Educational Institutions
- Transportation Hubs

Decontamination wastewater storage tanks are watertight and made of double-wall steel to allow for 100% secondary containment and periodic tightness testing.

They are available for either underground or aboveground installations and come complete with tough interior and exterior dielectric coatings.



A complete tank leak and level monitoring system is supplied with each tank for mounting inside the decontamination suite.

Accessories include wastewater pumps and controls as well as Highland Tank’s High-LINK technologies to enhance security and promote around-the-clock peace-of-mind.

Our team at Highland Tank will work with you on your next water storage tank project to help find the right tank for your application.

Call 814-893-5701 or visit us at www.highlandtank.com for more information.

Contact: Michael Gauthier
Email: mgauthier@highlandtank.com

