



Approval # 20010028

(Replaces 960082-U)

Environmental & Regulatory Services Division
Bureau of Petroleum Products and Tanks
201 West Washington Avenue
P.O. Box 7837
Madison, WI 53707-7837

Wisconsin COMM 10 Material Approval

Equipment: Secondary Containment Aboveground Tanks &
Open/Closed Top Diked Aboveground Tanks

Manufacturer: Highland Tank & Manufacturing Co.
99 West Elizabethtown Rd.
Manheim, PA 17545

Expiration of Approval: December 31, 2006

SCOPE OF EVALUATION

The Highland Tank secondary containment (double wall) aboveground tanks for flammable liquids, with or without integrally welded supports, were evaluated in accordance with **ss. COMM 10.345 (1)** and **10.415 (7)(b)** of the Wisconsin Administrative Flammable and Combustible Liquids Code. The Highland Tank open and closed top diked aboveground tank for flammable or combustible liquids were evaluated in accordance with **COMM 10.345 (1)** of the Wisconsin Administrative Flammable and Combustible Liquids Code. This approval includes tanks displaying the UL 142 label. This Material Approval does not address tanks mounted on trailers for temporary or portable use.

This approval has been based upon Commerce evaluation of information submitted by the manufacturer, including UL authorization. Specific tank or manufacturer design data is considered confidential. Specific technical information relating to evaluating or qualifying the technical and engineering information submitted should be made to the manufacturer or submitter.

This evaluation summary is condensed to provide the specific installation, application and operation parameters necessary to maintain the subject systems in compliance with the Wisconsin Administrative Code – Comm 10.

DESCRIPTION AND USE

These tanks are listed tanks for the aboveground storage of flammable or combustible liquids. Highland Tank manufactures tanks in horizontal, vertical, and rectangular configurations according to the **UL 142** Standard specifications. The inner tank and secondary containment for all tanks have been tested and listed by UL in accordance with UL Standard 142. The support design has also been approved by UL.

LIMITATIONS / CONDITIONS APPROVAL

- The double wall tanks are approved for compliance with the secondary containment requirements of **ss. COMM 10.345 (1) and 10.415 (7)(b)** and may be used without a dike, except in the case of public-access waste oil collection. Tanks for public-access waste oil collection shall be provided with a dike in accordance with **s. COMM 10.33**.
- The UL listed open top diked tank may be used for outdoor secondary containment only if it meets the requirements of **s. Comm 10.345** regarding 125 percent capacity and integral means of rainwater removal. Closed top tanks require only 100 percent capacity and do not require the means of rainwater removal.
- All tanks will display the **UL 142** label.
- Tanks up to 10,000 gallons may be used for vehicle fueling in accordance with **s. Comm 10.415**.
- The interstitial space shall be monitored for leaks. The monitor must be capable of detecting a leak from anywhere in the inner tank.
- Compartmentalized tanks shall be constructed for a double bulkhead in accordance with UL Standard 142. This interstitial space between compartments shall be monitored for leaks.
- A spill container shall be provided at the fill opening in accordance with **s. COMM 10.415 (12)(a)**.
- Separate vehicle collision protection shall be provided, when required, by a barrier that meets the design requirements specified in **s. COMM 10.415 (8)(a)**.
- No attachments shall be made to the tank that will violate or void the UL Listing.
- The tank shall be installed to allow full visual inspection of the secondary containment system. Tank foundations shall be designed to minimize the possibility of uneven settling of

the tank and to minimize corrosion in any part of the tank resting on the foundation. Direct grade contact with bottom of tank shell is acceptable if the tank is placed on a prepared flat smooth solid surface.

- The tank system operator is required to maintain the system components according to the respective manufacturer's guidelines.
- An aboveground storage tank installer certified by the department in accordance with **Comm 5.84** shall supervise the installation.

This approval will be valid through December 31, 2006, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The Department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement unless specified in this document.

Reviewed by: _____
Greg Bareta, P.E.
Engineering Consultant
Storage Tank Regulation Section

Approved by: _____ Date: _____