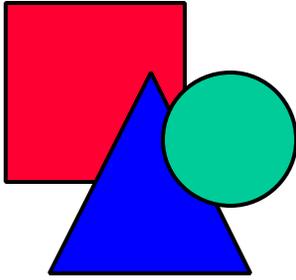


Approval #

970028-U (Replaces 910085-U)



Safety & Buildings Division  
201 East Washington Avenue  
P.O. Box 7969  
Madison, WI 53707

## Wisconsin Material Approval

Material

Secondary Containment Aboveground Tank for Flammable Liquids

Manufacturer

Lannon Tank Corporation  
20134 Main Street  
P. O. Box 516  
Lannon, WI 53046

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### SCOPE OF EVALUATION

The horizontal and vertical secondary containment aboveground tanks for flammable liquids, with or without integrally welded supports, as manufactured by Lannon Tank Corporation, have been evaluated in accordance with **sections ILHR 10.345 (1) and 10.415 (7)(b)** of the Wisconsin Administrative Flammable and Combustible Liquids Code.

### DESCRIPTION AND USE

The horizontal and vertical double wall tanks covered by this approval are designed and constructed to meet Underwriters Laboratory Standard 142 for aboveground storage of flammable or combustible liquids. An interstitial monitoring glass may be placed no more than five inches above the bottom of the tank to detect any release from the inner wall.

## TESTS AND RESULTS

The inner tank and secondary containment have been tested and listed by Underwriters Laboratories, Inc., in accordance with UL Standard 142.

## LIMITATIONS OF APPROVAL

The double wall tanks are approved for compliance with the secondary containment requirements of **ss. ILHR 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. ILHR 10.33**.

Tanks up to 10,000 gallons may be used for vehicle fueling in accordance with **s. ILHR 10.415**.

All tanks, regardless of capacity, shall have a minimum total nominal wall thickness (heads and shells) of 7/16 inch. This is typically achieved with an inner wall of 1/4-inch steel and an outer wall of 7-gage steel. This is deemed sufficient to meet the projectile protection requirement in **s. ILHR 10.451 (7)(b)**.

Double wall tanks with lesser wall thicknesses may be used inside a building without a dike, subject to the requirements of **s. ILHR 10.335** and **NFPA 31**, if applicable.

The interstitial space shall be monitored for leaks. The monitor must be capable of detecting a leak from anywhere in the inner tank. If an interstitial monitoring glass is used, visibility through the glass shall be maintained.

Compartmentalized tanks shall be constructed with a double bulkhead in accordance with UL Standard 142. The interstitial space between compartments shall be monitored for leaks.

A spill container shall be provided at the fill opening in accordance with **s. ILHR 10.415 (12)(a)**.

Separate vehicle collision protection shall be provided by a barrier that meets the design requirements specified in **s. ILHR 10.415 (8)(a)**.

No attachments may be made to the tank that violate or void the UL listing.

The tank shall be installed to allow full visual inspection of the secondary containment system.

The installer shall be certified by the Department in accordance with **chapter Comm 5**.

This approval will be valid through December 31, 2002, 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 not specified in this document.

Reviewed by; \_\_\_\_\_

Approval Date: \_\_\_\_\_ By: \_\_\_\_\_

Sam Rockweiler, P.E.  
Code Development Section  
Program Development Bureau