



Approval # 20080004  
(Renewal for 950024-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 Vessels

Manufacturer: Dalmaray Concrete Products  
405 South Arch St.  
Janesville, WI 53548-4422

Expiration of Approval: December 31, 2011

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### **SCOPE OF EVALUATION**

The secondary containment vessels manufactured by Dalmaray Concrete Products were evaluated against the diking requirements of **s. Comm 10.345** and the secondary containment and vehicle collision protection requirements of **ss. Comm 10.415 (7) to (8)** of the Wisconsin Flammable and Combustible Liquids Code.

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**

The Dalmaray concrete containment vessels are constructed of reinforced concrete with #4 rebar at 12 inches on center in both directions. Standard models are a 1,317-gallon containment for a 1,000-gallon tank, a 774-gallon containment for a 500- or 560-gallon tank, and a 457-gallon containment for a 300-gallon tank.

Removal of rainwater is accomplished with either a manually primed siphon hose or a 1-inch self-closing faucet.

Anchor bolts are cast into the bottom of the containment to prevent floatation or displacement.

## **TESTS AND RESULTS**

Drawings are on file showing capacities and configurations.

Calculations were submitted showing adequate collision impact resistance to meet **s. Comm 10.415 (8)(a)**.

## **LIMITATIONS / CONDITIONS OF APPROVAL**

- In accordance with **s. Comm 10.345 (1)(a)**, the secondary containment vessel shall have a capacity 25 percent larger than the tank it contains.
- The vessels shall be sized to provide sufficient clearance for visual inspection of the tank. No additional clearance for collision protection is required provided the tank is centered in the vessel and firmly bolted to the vessel.
- A reduced dispenser to tank setback is allowed for snowmobile, all-terrain vehicle (ATV), marine, and fleet fueling using any listed tank.
- The tank system shall be designed, installed, and maintained in accordance with the applicable sections of Comm 10, NFPA 30 and NFPA 30A.
- An aboveground storage tank installer certified by the department in accordance with **Comm 5.84** shall supervise the installation.
- Additional vehicle collision protection, such as posts or rails in accordance with **s. Comm 10.415 (8)** are not required provided the tank is fastened with anchor bolts in the center of the vessel; and shear valves, flexible connectors or other protective devices are installed on product and/or electrical lines to assure adequate system flexibility should the system be displaced by collision.

**Unusual or heavy traffic patterns may require additional visual warning or collision protection.**

This approval will be valid through December 31, 2011, 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.

Effective Date: January 1, 2008

Reviewed by: \_\_\_\_\_  
Greg Baretta, P. E.  
Engineering Consultant  
Bureau of Petroleum Products and Tanks

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_