



Approval # 20010025

Environmental & Regulatory Services Division  
Bureau of Storage Tank Regulation  
201 West Washington Avenue  
P.O. Box 7837  
Madison, WI 53707-7837

## Wisconsin COMM 10 Material Approval

Equipment Secondary Containment Aboveground Tanks &  
Closed Top Diked Aboveground Tanks

Manufacturer Total Energy Systems  
P. O. Box 19008  
Green Bay, WI 54307

Expiration of Approval: December 31, 2006

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### SCOPE OF EVALUATION

Total Energy Systems fabricates fuel supply tanks for the stationary combustion engine market. The Total Energy Systems secondary containment aboveground tank and closed top diked aboveground tank for flammable or combustible liquids was evaluated in accordance with **COMM 10.345 (1)** of the Wisconsin Administrative Flammable and Combustible Liquids Code. This Material Approval does not address tanks mounted on trailers for temporary or portable use.

All tanks will display the UL 142 label.

This approval has been based upon Commerce evaluation of information submitted by the manufacture, 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 (UL 142) tanks for the aboveground storage of flammable or combustible liquids. Total Energy Systems manufactures tanks in rectangular configurations of varying capacity according to the **UL 142** Standard. The engine support design has also been approved by UL.

All tanks have: emergency vent, normal vent, fuel fill, fuel level gauge, engine supply line, engine return line, low fuel alarm, leak detection, drains, and fittings for optional alarms.

### **LIMITATIONS / CONDITIONS OF APPROVAL**

Tank and engine units are to be installed in accordance with Comm 10 – Wisconsin Flammable and Combustible Liquid Code, NFPA 30 – Flammable and Combustible Liquids Code, NFPA 37 – Installation and Use of Stationary Combustion Engine and Gas Turbines, and NFPA 110 – Standard for Emergency and Standby Power Systems.

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.

Approval Date: July 6, 2001

Approved by:

Greg Bareta  
Mechanical Engineer  
Bureau of Storage Tank Regulation