

## **Compatibility Requirements**

Owners and operators of storage tank systems regulated under 20.5 NMAC must ensure that all of the components in their systems are compatible with the regulated substance stored within them. If the regulated substance in the tank is not compatible with the tank system, then incompatible components must be either replaced, or the contents must be changed to a compatible regulated substance. There is also the option to permanently close the system.

Owners and operators must provide a 30-day notification to the Department prior to dropping gasoline with greater than 10% ethanol, diesel with greater than 20% biodiesel, or any other regulated biofuel identified by the Department. When submitting the notification, owners and operators must also include a letter from equipment manufacturers for all of the components that routinely hold a regulated substance. The letter must be from the original equipment manufacturer, it must contain an affirmative statement on the compatibility of their equipment, and it must contain a listing of the biofuels with percentage ranges for each. If owners and operators cannot provide the required documentation, they cannot store these biofuels in their tank systems. Owners and operators of fiberglass reinforced plastic underground storage tanks do have the option of lining the tank to address compatibility concerns.

Many of the manufacturers with the petroleum storage tank industry have posted compatibility letters on their web sites. Industry associations such as the Petroleum Equipment Institute

(“PEI”) have a page on their website where they list letters from manufacturers for the benefit of their members. PEI’s website can be found at <https://www.pei.org/ust-component-compatibility-library>

Below is information provided by some of the well-known manufacturers within the industry. Please note – **listing here IS NOT a substitute for the letter required in 20.5.107.708.B NMAC for USTs and 20.5.110.1009.B NMAC for ASTs:**

**Containment Solutions:** Single-walled & double-walled FRP USTs are compatible with up to E100 and B100.

**Eaton:** All single-walled & double-walled steel USTs are compatible with up to E100 and B100. Includes their STi-P3, ACT-100, ACT-100U, Permatank, and jacketed steel USTs.

**Modern Welding:** all single-walled & double-walled steel USTs are compatible with E10 and up to E100. Also, they are compatible with biodiesel from B20 up to B100.

### **OPW Fueling:**

- Double-walled piping is compatible with ethanol and biodiesel from 10% to 100%.
- 61T drop tube is compatible with ethanol up to 15% and biodiesel up to 5%.
- 61SO & 71SO overfill prevention valves are compatible with ethanol up to 15 % and biodiesel up to 5%.

- 2100 & 3100 series spill containers are compatible with ethanol up to 100% and biodiesel up to 100%.
- Polyethylene and fiberglass sumps are compatible with ethanol up to 100% and biodiesel up to 100%.

### **Owens Corning:**

- USTs made prior to January 1981 are not compatible with any percentage of ethanol or methanol.
- USTs made between January 1981 and June 1984 are compatible with ethanol up to 10% but not compatible with any percentage of methanol.
- USTs made between July 1984 and June 1990 are compatible with up to 10% ethanol and 4.75% methanol.
- Double-walled USTs made after July of 1990 are compatible with all levels of ethanol and methanol.

**WATCO Tanks:** All single-walled & double-walled steel USTs are compatible with up to E100 and B100. Includes their Buffhide, STi-P3, ACT-100, ACT-100U, Permatank, and jacketed steel USTs.

**Western Fiberglass:** Flexible piping and secondary containment sumps are compatible with ethanol from E10 to E100 and biodiesel from B20 to B100.

### **Xerxes:**

- Single-walled USTs made prior to February 1981 are not compatible with any percentage of ethanol but are compatible with biodiesel from B20 to B100.

- Single-walled USTs made from February 1981 to June 2005 are compatible with ethanol up to 10% and biodiesel from B20 to B100.
- Single-walled USTs made from July 2005 to present are compatible with all levels of ethanol and biodiesel blends.
- Double-walled USTs made prior to April 1990 are compatible with up to 10% ethanol and biodiesel blends from B20 to B100.
- Double-walled UST made since April 1990 are compatible with ethanol up to 100% and biodiesel up to 100%.

**Note: This document is a resource to promote compliance and does not replace the regulations in 20.5 NMAC.**

#### **PSTB Prevention & Inspection Phone #s**

Albuquerque

505-980-8900

Farmington

505-716-7994

Las Cruces

575-649-2954

Roswell

575-361-0216

Santa Fe

505-670-9171



#### **For more information contact:**

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Petroleum Storage Tank Bureau  
2905 Rodeo Park East, Bldg 1  
Santa Fe, NM 87505  
**(505) 476-4397**

[https://www.env.nm.gov/  
petroleum\\_storage\\_tank](https://www.env.nm.gov/petroleum_storage_tank)

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## **Compatibility Requirements for Petroleum Storage Tank Systems**



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