

**Laura Fisher, Chief  
UST Leak Prevention  
Underground Storage Tank Program**



CALIFORNIA

**Water Boards**

STATE WATER RESOURCES CONTROL BOARD

REGIONAL WATER QUALITY CONTROL BOARDS

# Cal/EPA Fuels Guidance Document

[www.calepa.ca.gov/biofuels](http://www.calepa.ca.gov/biofuels)

- ARB
- CDFA
- CalFire
- Waterboard

Cal/EPA Fuels Guidance Document



Version 1.0  
11/15/2011

# Purpose of the Cal/EPA Fuels Guidance Document

- Help potential fuel users and producers to find answers about the regulations affecting new fuels
- Provides pertinent, although limited, review of technical issues/regulatory status associated with new fuels

# Content Cal/EPA Fuels Guidance Document

- Chapter II - Fuels matrix which identifies the major current and future fuels likely to enter the California market, and the technical or regulatory requirements
- Chapter IV - Lists each fuel and the specific technical or regulatory requirements for each fuel that remain to be completed before that fuel will be ready for introduction into commerce

# Existing Requirement

## Leak Detection Testing Approval

- A third party shall evaluate and approve all leak detection methods
- A third party testing laboratory includes testing organizations, consulting firms, test laboratories, not-for-profit research organizations and educational institutions with no financial interest in the matters under consideration

# Regulatory Status

## UST Leak Detection for Biodiesel

- B5 meeting ASTM standard D975 is considered diesel fuel and may be used with equipment listed for use with petroleum diesel
- B6 through B20 meeting ASTM D7467 and biodiesel B100 meeting ASTM D6751 may be used with most leak detection equipment listed for petroleum diesel

# Regulatory Status

## Leak Detection Approval for Renewable Diesel/Blends

- Third-party leak detection functional testing:
  - Renewable diesel industry has not yet developed third party leak detection functionality test methods, conducted testing, or obtained the appropriate leak detection approvals for the use of renewable diesel and renewable diesel blends
  - <http://www.nwglde.org/>



# Existing Requirement

## Component/Containment Testing Approval

- An organization which tests products for compliance with voluntary consensus standards (Underwriters Laboratories)
- For an organization to certify, list, or label products it shall maintain formal periodic inspections of production of products or systems to ensure that a listed, certified, or labeled product or system continues to meet the appropriate standards




# Regulatory Status

## Testing Approval for B6 – B100 and Renewable Diesel

- Fuels industry has not obtained independent testing organization approval for biodiesel blends above 5% or renewable diesel/blends
- Until such time the independent testing organizations include biodiesel blends above 5% and renewable diesel/blends, manufactures of UST components and containment may certify compatibility with the specific substance begin stored

# Suggested Next Steps

- Renewable diesel perform leak detection testing and obtain approvals
- Biodiesel B21 – B99 leak detection testing and approvals
- Detailed review of component selection for construction and maintain proper paperwork
- Detailed investigation of existing construction and evaluate proper components for conversions

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Laura Fisher, Chief  
UST Leak Prevention and  
Office of Tank Tester Licensing  
State Water Resources Control Board  
(916) 341-5870  
[lfisher@waterboards.ca.gov](mailto:lfisher@waterboards.ca.gov)