



SC DEPARTMENT of
**ENVIRONMENTAL
SERVICES**

**UNDERGROUND STORAGE TANK ALTERNATIVE FUEL
INSTALLATION APPLICATION / CONVERSION NOTIFICATION**

(This form may be used to comply with SC UST Regulation 280.32(b)(1))

Submit the completed form to:
SC Underground Storage Tank Division
SC Department of Environmental Services
2600 Bull Street Columbia, SC 29201

INSTRUCTIONS: This form is to be submitted to the Department along with the Application for the Permit to Install for new installations, or submitted independently for conversions of existing systems from conventional motor fuels to blends greater than 10% ethanol as well as all biodiesel derivatives greater than B20. For existing tank systems, submit this form 30 days prior to the conversion. This form must be updated if equipment has changed.

PART 1

1 . OWNER INFORMATION	2 . FACILITY INFORMATION	3. CONTRACTOR INFORMATION
Name _____	Facility ID# _____	Contractor Name _____
Mailing Address _____	Facility Name _____	Mailing Address _____
City, State, Zip Code _____	Facility Address _____	Contact Person _____
Telephone Number ()	Telephone Number ()	Telephone Number ()

PART 2

Tank Size: _____ (gallons) New Tank Existing Tank **Fuel to be Stored:** _____
Is tank lined: Yes No **Note: Tanks with interior lining will not be approved for E85 storage**
Configuration: Single wall Double wall **Type:** Steel Steel Clad Fiberglass
Tank leak detection method: Automatic tank gauging Vapor/Groundwater monitoring
 Interstitial monitoring Statistical Inventory Reconciliation (SIR)
Is sump present for submersible / pipe connections: Yes No

Component	Manufacturer	Model/Brand	Indicate Method A, B or C (See pg 3)	Comments
Tank Information				
Tank construction				
Spill bucket				
Drop Tube Shut Off/ Drop tube				
Ball Float Vent Valve				
Sump sensors				
Submersible pump				
Leak detection probes				

Part 3

Component	Manufacturer	Model/Brand	Indicate Method A, B or C (see pg 3)	Comments
Piping Information				
Pipe construction material				
Gaskets/seals				
Pipe sealant/adhesive				
Flex connector				
Line leak detector				

Part 4

Blending dispenser: Yes No **Is sump present under dispenser:** Yes No

Component	Manufacturer	Model/Brand	Indicate Method A, B or C (see pg 3)	Comments
Dispenser Information				
Dispenser piping				
Gaskets/seals				
Dispenser Sump				
Check valve				
Nozzle(s)/Swivel(s)				
Hose(s)				
Break-away device				
Fuel filters				
Emergency valve				
Sump sensor				

Part 5

Methods (A,B,C):

- A. Certification or listing of UST system equipment or components by a nationally recognized, independent testing laboratory for use with the substance being stored.
- B. Equipment or manufacturer approval. The manufacturer's approval must be in writing, indicate an affirmative statement of compatibility and specify the range of alternative fuels the component is compatible with.
- C. Use another option determined by SCDES to be no less protective the environment than methods A or B. if using this option, list below a description of the alternative method below.

Note: Owners and operators may find American Petroleum Institute's Recommended Practice 1626. "Storing and Handling Ethanol and Gasoline-Ethanol Blends at Distribution terminals and Filling Stations" useful in complying with the compatibility requirements. ***In order to be compliant with SC R.61-92 UST Control Regulations, you must keep documentation of compatibility of the UST System components listed on this page as long as you store the alternative fuel.***

I certify by signature that I have personally examined and/or am familiar with the information submitted to verify system compatibility, and the information is true, accurate, and complete.

Signature of Authorized Party _____ Date _____



Alternative Fuel Installation Application/Conversion Notification for Underground Storage Tanks (USTs)

General Information:

The primary purpose of this form is to demonstrate that the components of the UST system are compatible with the product being stored. This checklist ensures that each component of the system meets the required compatibility standards. The South Carolina Underground Storage Tank Regulations 61-92, Part 280 require that notification be given in writing regarding the compatibility of equipment storing alternative fuels. This checklist satisfies this requirement.

Please read the instructions carefully prior to completing the form. Please type or print in ink. Also, please be sure that you have signatures in ink.

Who must complete this form?

If the owner and operator of a UST storing regulated substances are separate persons, only one person is required to certify equipment compatibility. An owner is defined as:

- In the case of an UST in use on November 8, 1984, or brought into use after that date, any person who owns an UST used for storage, use, or dispensing of regulated substances, or
- In the case of an UST in use before November 8, 1984, but no longer in use on that date, any person who owned the UST immediately before its discontinuation.
- A person who has assumed legal ownership of the UST system through the provision of a contract of sale or other legally binding transfer of ownership.

When and Who to Notify?

Any owner or operator who plans on storing alternative fuels, must submit this Alternative Fuel Checklist **30 days prior** to the conversion. For new installations, the Alternative Checklist must be submitted with the Permit to Install application. A Permit to Install for facilities that will be selling alternative fuels will not be issued without a completed checklist.

What USTs are included?

An UST system is defined as any one or combination of tanks that is used to contain an accumulation of regulated substances, and whose volume (including connected underground piping) is 10 percent or more beneath the ground. Regulated USTs store petroleum or hazardous substances. This includes UST systems with field-constructed tanks and airport hydrant fuel distribution systems.

What Tanks are Excluded from these Requirements?

- Tanks removed from the ground prior to January 1, 1986;
- Farm or residential tanks of 1,100 gallons or less used to store motor fuel for noncommercial purposes;
- Tanks storing heating oil for use on the premise being stored;
- Septic tanks;

- Certain pipeline facilities regulated under Chapters 601 and 603 of Title 49;
- Surface impoundments, pits, ponds, or lagoons;
- Storm water or wastewater collection systems;
- Flow-through process tanks;
- Liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
- Tanks on or above the floor of underground areas, such as basements or tunnels;
- Tanks with a capacity of 110 gallons or less;
- Wastewater treatment tank systems;
- UST systems containing radioactive materials that are regulated under the Atomic Energy Act of 1954;
- UST systems that are part of an emergency generator system at nuclear power generation facilities regulated by the Nuclear Regulatory Commission under 10 CFR part 50.

What Substances are Covered?

These requirements apply to USTs containing petroleum or certain hazardous substances. Petroleum includes gasoline, used oil, diesel fuel, crude oil, or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees F and 14.7 pounds per square inch absolute). Hazardous substances are those found in Section 101 (14) of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) of 1980 with the exception of those substances regulated as hazardous waste under Subtitle C of the Resource Conservation and Recovery Act (RCRA).

Note: For the purposes of this checklist, examples of regulated alternative fuels include: ethanol blends greater than 10 percent (E10) but less than 100 percent (E100) or biodiesel blends greater than 20 percent (B20) but less than 100 percent (B100)

Instructions for Completing the Alternative Fuel Checklist:

Part 1:

1. **Owner Information:** Enter the name, mailing address, and telephone number of the UST owner .
2. **Facility Information:** Enter the permit identification number, the name of the facility where the USTs are located, the, **physical** address of the facility and telephone number for the facility.
3. **Contractor Information:** Enter the name, mailing address, contact person and telephone number of the contractor that will be completing the conversion or installation.

Part 2:

1. **General Information:** Complete the tank size, status and fuel to be stored. Indicate if the tank is lined. Note: SCDES does not allowed interior lined tanks for E85 storage. Indicate configuration of the tanks, type of tank, current tank leak detection method. Note if a sump is present for submersible turbine and piping connections.
2. **Tank Information (Table):** For each tank related component, please enter the manufacturer, model and any additional comments. You will also need to indicate the method that will be used to demonstrate compatibility (Methods A, B or C). A description of each method is available on

pg 3 of the form.

Part 3:

1. Piping Information (Table): For each piping related component, please enter the manufacturer, model and any additional comments. You will also need to indicate the method that will be used to demonstrate compatibility (Methods A, B or C). A description of each method is available on pg 3 of the form.

Part 4:

1. General Information: Indicate if a blending dispenser will be used. Indicate if there is a sump under the dispenser (under dispenser containment).

2. Dispenser Information (Table): For each dispenser related component, please enter the manufacturer, model and any additional comments. You will also need to indicate the method that will be used to demonstrate compatibility (Methods A, B or C). A description of each method is available on pg 3 of the form.

Part 5:

1. Methods: Review the 3 methods available to determine compatibility. You should one of these methods listed for each component listed on the form. If you choose Option C, you must provide a detail description of this method and it must be approved before introducing the alternative fuel into the tank.

2. Important Information: Please review this section for additional information on installation standards and recordkeeping requirements.

3. Certification: The tank owner, or an authorized representative, must sign and date the form indicating that the form has been accurately completed and that all compatibility requirements have been met..

Office Mechanics and Filing:

After completing the form, send the form and any associated documents to the address listed on the front of the form. This form becomes a part of the permanent file.

Contact Information: Please contact the Permitting Coordinator for further information.