



Application for Permit to Install Field Constructed Systems

UST Management Division

(This form may be used to comply with SC UST Regulations 280.251)

I. LOCATION OF TANK(S)

Facility Name

Physical Street Address

City State Zip Code

Area Code Telephone Number

Contact Person

County Tax Map Identification Number & Latitude/Longitude Location

II. TANK OWNER INFORMATION

Tank Owner Name (corporation, individual, etc.)

Mailing Address

City State Zip Code

Area Code Telephone Number

Contact Person

EIN

III. OPERATOR INFORMATION

Name

Mailing Address

City State Zip Code

Area Code Telephone Number

EIN

IV. LANDOWNER INFORMATION

Name

Mailing Address

City State Zip Code

Area Code Telephone Number

Landowner Signature (if different than the tank owner)

V. INSTALLATION PROCEDURES

All underground storage tank systems must be installed and operated per R.61-92, Part 280: UST Control Regulations; manufacturer's instructions and industry standards. The tank and piping system installation practices and procedures described in the following codes may be used to comply with this requirement. Indicate which standard(s) will be used to oversee the tank system installation:

- American Petroleum Institute Publication 1615, "Installation of Underground Petroleum Storage Systems."
- Petroleum Equipment Institute Publication RP100, "Recommended Practices for Installation of Underground Liquid Storage Systems."
- American National Standards Institute Standard B31.3, "Petroleum Refinery Piping," and American National Standards Institute Standard B31.4, "Liquid Petroleum Transportation Piping System."
- Unified Facilities Criteria 3-460-01, "Petroleum Fuel Facilities"
- Defense Directive 4140.25, "ATA: Airport Fuel Facility Operation and Maintenance Manual"

ANY CHANGES REGARDING THE INFORMATION SUPPLIED ON THIS APPLICATION MUST BE SUBMITTED IN WRITING AND APPROVED BY THE UST MANAGEMENT DIVISION.

SCDHEC, UST Management Division, 2600 Bull Street, Columbia, SC 29201, PHONE (803) 898-0589 FAX (803) 898-0673 www.scdhec.gov

VI. TANK INFORMATION

Tank Number (list each compartment separately)					
Capacity (gallons)					
Construction Material (check one):					
Fiberglass-Reinforced Plastic (FRP)					
Steel-FRP Composite					
Steel-Polyurethane					
Other (specify)					
Containment (check one):					
Double Wall-Brine					
Double Wall-Vacuum					
Double Wall-Dry					
Substance to be Stored (check one):					
Gasoline					
Diesel					
Kerosene					
Ethanol (indicate blend level)					
Biodiesel (indicate blend level)					
Hazardous Substance					
Name of Substance: _____					
Chemical Abstract Service # (CAS#): _____					

Tank Manufacturer: _____

VII. STORAGE OF BIODIESEL AND ETHANOL BLENDS

Will biodiesel blends greater than B20 but less than B100 be stored? Yes [] No []
 If yes, the attached Alternative Fuel Checklist (DHEC form 3885) must be completed and submitted with this application.

Will ethanol blends greater than E10 but less than E100 be stored? Yes [] No []
 If yes, the attached Alternative Fuel Checklist (DHEC form 3885) must be completed and submitted with this application.

Please review the potential equipment issues pertaining to the use of alternative fuels before submitting the checklist.

A Permit to Install for alternative fuel systems will not be issued without the submittal of the required checklist and supplemental information.

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VIII. PIPING INFORMATION

Line Number (list each line separately)					
Material of Construction					
Flexible					
Fiberglass Reinforced Plastic (FRP)					
Other (Specify)					
Containment					
Single Wall (For tanks greater than 50,000 gallons only)					
Double Wall					
Triple Wall					
Pumping System					
Pressurized					
Suction – Foot Valve					
Suction – Angle Valve					
Suction – Vertical Check Valve					
Other (Specify)					

Piping Manufacturer: _____ Model: _____

The backfill should be a clean, washed well-granulated, free-flowing, non-corrosive inert material that is free of debris, rock or other organic materials. Examples of accepted materials are sand, crushed rock (no larger than 1/2 inch), or pea gravel (no larger than 3/4 inch).

Type of backfill to be used: Sand Pea Gravel Crushed Rock Other _____

Any lines to be manifolded? _____

NOTE: All metal components of piping systems (flex connectors, check valves, etc.) that are in contact with backfill (not housed in containment sumps or protected by boots and/or jackets) must be coated with an acceptable dielectric coating and cathodically protected. If the use of anodes is proven to be necessary due to contact with the backfill, please designate the location of the anodes. Attach additional sheets if necessary.

How will metal components (flex connectors, fittings, etc.) be protected? _____

IX. SPILL, OVERFILL PREVENTION AND OTHER EQUIPMENT

Spill and overfill prevention equipment must be used to prevent spills and overfills associated with product transfer to the underground storage tank system unless the system is filled by transfers of no more than 25 gallons at a time.

Spill Prevention Equipment Manufacturer: _____ Model: _____

Overfill Prevention Equipment Drop Tube Shut Off Valve Alarm Other (specify): _____

 Manufacturer: _____ Model: _____

Dispenser Containment Manufacturer: _____ Model: _____

Vapor Recovery Is Stage I vapor recovery going to be installed? Yes No

Hydrant Pits and Vaults Will a hydrant pit be installed? Yes No

 Will a hydrant vault be installed? Yes No

X. SITE MAP

An 8 1/2" x 11" site map showing the proposed location of the tank system (to include the entire tank basin, associated piping, and dispenser islands must be attached.

Please do not submit tax plat maps or architectural design maps as a replacement for the required site map.

XI. RELEASE DETECTION

All Field Constructed Tank systems with a capacity of less than 50,000 gallons must use interstitial monitoring as the first choice for tank and line monthly (0.2gph) monitoring.

Release Detection (check all that apply and complete all applicable blanks)	Tank(s)	Piping
Interstitial Monitoring with Secondary Barrier/Containment Manufacturer: _____ Model: _____		
Line Leak Detectors: Electronic [] Mechanical [] Manufacturer: _____ Model: _____		
Annual Line Tightness Testing (pressurized piping only)		
Statistical Inventory Reconciliation (SIR) SIR Provider: _____		
Automatic Tank Gauging Manufacturer: _____ Model: _____		
Vapor Monitoring For tanks greater than 50,000 gallons this method must be combined with Inventory control and Tank Tightness Test		
Groundwater Monitoring Depth to groundwater: _____ For tanks greater than 50,000 gallons this method must be combined with Inventory control and Tank Tightness Test		
Automatic Tank Gauge that can detect a 1 gallon/hr leak with Tank Tightness Test every 3 years (For tanks greater than 50,000 gallons)		
Automatic Tank Gauge that can detect less than or equal to 2 gallon/hr leak with Tank Tightness Test every 2 years(For tanks greater than 50,000 gallons)		
Inventory Control that can detect less than or equal to a .5 gallon/hr leak with Tank Tightness Test every 2 years (For tanks greater than 50,000 gallons)		

XII. FINANCIAL RESPONSIBILITY

Owners and operators (excluding federal agencies) must demonstrate financial responsibility for taking corrective action and for compensating third parties for bodily injury and property damage caused by accidental releases arising from petroleum underground storage tanks. Proof of financial responsibility must be submitted. See attached DHEC form 3472, Certificate of Financial Responsibility.

A Permit to Install will not be issued without a valid financial responsibility certificate and complete information regarding the mechanism chosen.

XIII. INSTALLATION CERTIFICATION

All owners and operators must ensure that one or more of the following methods of certification, testing, or inspection is used to demonstrate compliance with Section VI of this application. Check all methods below that will be used to meet this requirement.

- The installer is certified by tank and piping manufacturers.
Name of installer: _____
Contact person, email and telephone number: _____
- The installation will be inspected and certified by a SC registered professional engineer with education and experience in underground storage tank system installation.
- All work listed in the manufacturer's installation checklists will be completed.
- The owner and operator will comply with another method for ensuring compliance that is determined by the Department to be no less protective of human health and the environment. Please specify method to be used: _____

XIV. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information and installing the UST system, I believe that the submitted information is true, accurate, and complete.

Name of tank owner or owner's authorized representative (print) Title

Signature Date

Name of installer (print) Title

Signature Date

ANY CHANGES REGARDING THE INFORMATION SUPPLIED ON THIS APPLICATION MUST BE SUBMITTED IN WRITING AND APPROVED BY THE UST MANAGEMENT DIVISION.

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Application for a Permit to Install for Field Constructed Underground Storage Tank Systems (USTs)

General Information:

The primary purpose of this form is to obtain sufficient information that allows for the issuance of a Permit to Install for USTs. State regulations require owners of USTs that plan on storing regulated substances submit this application and receive approval prior to beginning the installation process.

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?

Any person who proposes to install a new tank must apply for a Permit to Install and possess this permit prior to tank installation.

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

When and Who to Notify?

Any owner that wishes to install a regulated UST system must submit this application to the Permitting Coordinator prior initiating the installation process. Please allow sufficient time for Departmental review and approval of the permit application. **Note:** sites located in Beaufort, Berkeley, Charleston, Colleton, Dorchester, Georgetown, Horry, or Jasper Counties must have their installation applications also reviewed and approved by the Office of Ocean and Coastal Resource Management (OCRM) prior to the issuance of a Permit to Install. Allow six weeks for approval of installations in the noted coastal counties.

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).

Instructions for Completing the Application for the Permit to Install:

I. Location of Tank(s): Enter the name and physical street address of the facility where the tank(s) are to be located. The address must include the name of the county in which the facility is to be located. Enter the county tax map identification number as well as the latitude and longitude of the location.

II. Tank Ownership: Enter the name, mailing address, and telephone number of the tank owner. Enter the Federal Employer Identification Number (FEIN) if a company is the tank owner.

III. Operator Information: Enter the name, mailing address, and telephone number of the operator. Enter the Federal Employer Identification Number (FEIN) if a company is the tank operator and is different than tank owner.

IV. Landowner Information: Enter the name, mailing address, and telephone number of the landowner. If the landowner and tank owner are different, the signature of the landowner is required.

V. Installation Procedures: Check the appropriate installation procedure(s) that will be followed. **Note:** You must choose one standard to follow for the installation process.

VI. Tank Information: Complete the all applicable boxes within the table which include capacity, construction material, secondary containment type and substance to be stored. Because construction and installation details may vary, a column for up to five tanks has been provided. It is required that you designate a number for each individual tank.

VII. Storage of Biodiesel and Ethanol Blended Fuels: If alternative fuels will be stored, please check the applicable boxes. Please note that a permit to install will not be issued for tanks containing alternative fuels without the completion of the Alternative Fuel Checklist (DHEC Form 3885). **Note:** These are biodiesel fuel blends greater than B20 but less than B100 or ethanol blended fuels greater than E10 and less than E100.

VIII. Piping Information: Complete all applicable boxes within the table which include construction material, secondary containment and pumping system. The design, construction, and installation details may vary for individual piping runs so a column for each individual piping run (up to five) has been provided. Please ensure that you complete the questions regarding manufacturer, model, type of backfill and the method used for the protection of all metal components.

IX. Spill, Overfill Prevention and Other Equipment: Complete the blanks as indicated regarding the manufacturer and model of all spill, overfill prevention and under dispenser containment equipment. Indicate if vapor recovery will be installed. Be sure to address the questions regarding hydrant pits and vaults.

X. Site Map: Attach an 8 1/2 X 11 site map. Do not submit architectural plans..

XI. Release Detection: Indicate by checking in the box the chosen leak detection method for the tanks and piping. Complete any blanks associated with that leak detection method. Please be careful attention to the bolded information pertaining to capacity allowed for certain leak detection methods.

XII. Financial Responsibility: The Certificate of Financial Responsibility (DHEC Form 3472) must be submitted along with the applicable financial mechanism (except federal and state entities). See DHEC Form 3472 for further instructions. **Note:** A Permit will not be issued without a valid financial responsibility mechanism.

XIII. Installation Certification: Complete the empty boxes or spaces as indicated.

XIV. Certification: The application must be signed by the owner or an authorized representative of the owner. An authorized representative is a person responsible for the overall operation of the facility (for example, a plant manager, superintendent or a designated official of the company that owns the UST system). The installer must also print his name and sign and date the form.

Office Mechanics and Filing:

After completing the form, send the application and supplemental information to the address listed on the front of the application. This application becomes a part of the permanent file.

Contact Information: Please contact the Permitting Coordinator at the number on the of the form for further information.