UNDERGROUND STORAGE TANK MANAGEMENT DIVISION
CONTAINMENT SUMP INTEGRITY TESTING
This form can be used to comply with UST Control Regulations R61.92, Section 280.35

UST Facility		Person Conducting Test	
Facility Name	Facility ID#	Tester's Name	
Physical Address		Testing Company Name (if applicable)	
City	State	City	State

Containment Sump Testing

Type of Test	☐ Hydrostatic (Complete Test Data Table)
	☐ Vacuum (Attach test equipment manufacturer's data sheet/test protocol)
	☐ Other **Note: Must be approved by the Department prior to use**
Purpose of Test	☐ Notice of Alleged Violation ☐ Required 3 year testing (per 280.35 (a) (1))
	☐ Initial Test Prior to a Repair ☐ Post Repair Test **Note: Testing MUST occur prior to repairs or replacement.**

SCDHEC Hydrostatic Test Procedure

1. Clean out and properly dispose of all debris, soil and/or fluids from the sump.
2. Visually examine the sump to ensure that there are no cracks, holes, deteriorated seals, or deformation. (**A damaged sump should be tested but recorded as a failure and then repaired or replaced -see Step 7**).
3. Fill the sump with water to the top and let it stand for at least 15 minutes to allow the water to reach ambient temperature.
4. After 15 minutes, measure the depth of water to the nearest $1/16^{th}$ inch, and mark the water level with a visible mark.
5. Cover the sump, using its lid or an alternate cover and leave the sump undisturbed for at least one hour.
6. Compare the starting water level to the ending level:
   - If the water level is the same or it has changed by less than $1/8^{th}$ inch, the sump passes the test.
   - If the fluid level has changed by more than $1/8^{th}$ inch, the sump fails the test.
7. Any failing sump that is used for interstitial monitoring is required to be repaired or replaced. If there is damage to the sump, staining and/or evidence of fuel in the damaged area then a site check is required to be performed **prior** to the repair or replacement. If there is damage to the sump but no staining or evidence of fuel in the damaged area, then no site check is required. Contact the Release Coordinator at (803) 898-0589 with questions.
8. Completely remove all water at the completion of the test and dispose of properly.

Test Data Table

Sump Identification											
Product Being Stored											
Test Start Time											
Test End Time											
Test Beginning Water Level											
Test Ending Water Level											
Test Result (Check Pass or Fail)	☐Pass ☐Fail	☐Pass ☐Fail	☐Pass ☐Fail	☐Pass ☐Fail	☐Pass ☐Fail	☐Pass ☐Fail	☐Pass ☐Fail	☐Pass ☐Fail	☐Pass ☐Fail	☐Pass ☐Fail	☐Pass ☐Fail

Comments:

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements. Records of this testing must be kept for the life of the UST system.

Tester's Signature: _____ Date: _____

UNDERGROUND STORAGE TANK MANAGEMENT DIVISION
BUREAU OF LAND AND WASTE MANAGEMENT
2600 Bull Street, Columbia, SC 29201
Phone (803) 898-0589

Containment Sump Integrity Testing for Underground Storage Tanks (USTs)

General Information:

The primary purpose of this form is to meet the testing requirements for containment sumps that are being used for Interstitial Monitoring as outlined by the South Carolina Underground Storage Tank Regulations 61-92. Please type or print in ink. Also, please be sure that you have signatures in ink.

Who must complete this form?

Any person or their authorized representative (such as a tester or contractor) that conducts testing on containment sumps.

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).

Instructions for Completing the Containment Sump Integrity Testing Form:

UST Facility Information: Enter name and complete address of the facility, and the permit identification number for the facility.

Person Conducting the Test: Enter the tester's name and their company including the city and state from which they operate.

Containment Sump Integrity Testing:

1) Type of test: Indicate by checking the box which testing method was used. Please note that if you choose "other", the Department must have approved the method of testing beforehand.
2) Purpose of the Test: Indicate by checking the box why the test is being done. ***Note:*** Testing must occur prior to repairs or replacement.

SCDHEC Hydrostatic Test Procedure: Please review the methodology (if this is the desired test) before conducting the test.

Test Data Table:

1) Indentify the sump being tested and the product being stored.
2) Indicate the starting and ending time for each spill bucket being tested.
3) Indicate the starting and ending water level for each spill bucket being tested.
4) Indicate if each spill bucket passed or failed.

Comments: Add any comments or notes, particularly if there were any failing results.

Testers Signature: The person conducting the test must sign and date the test.

Office Mechanics and Filing:

After completing the form, retain a copy in your files for review during your annual compliance inspection. If this is completed in response to an inspection, please forward it to the Department for their review. It will become part of your permanent file.

Retention Schedule: Forms will be retained within DHEC's electronic records for a period of 13 years after tanks are permanently closed under retention schedule 10304.

Contact Information: Please contact the UST Division at (803) 898-0589 for further information.