dhec

UNDERGROUND STORAGE TANK MANAGEMENT DIVISION
LINE TIGHTNESS TESTING FORM
This form can be used to comply with UST Control Regulations R61.92, Section 280.34

UST Facility		Person Conducting Test	
Facility ID#	Facility Name	Tester's Name	Phone Number
Physical Address		Testing Company	
City	State	Tester Certified by	
Owner Phone Number		Tester Certification #:	Expiration Date

System and Testing Information

Purpose of Test	☐ Annual ☐ New Installation ☐ Troubleshooting/Repair ☐ Leak Investigation ☐ SCDHEC Required ☐ Other:_____		
Date of Test:	Date Next Test Due:	Time Arrived at UST Facility:	Method of Piping Isolation During Test: ☐ Functional Element ☐ Ball Valve ☐ Isolation Plug ☐ Other:_____

Piping Manufacturer:	Piping Model:	Piping Configuration: ☐ Single Wall ☐ Double wall	Piping Material: ☐ Steel ☐ Fiberglass ☐ Flexible ☐ Combo (Indicate type):_____	Piping Type: ☐ Pressurized ☐ American Suction ☐ European Suction

Piping Release Detection Method: ☐ ELLD ☐ SIR ☐ Annual Line Tightness Testing (Pressurized) ☐ Interstitial Monitoring ☐ 3 year Line Tightness testing (American Suction) ☐ Other:_____

Line Tightness Test Methodology

Test Method:	Maximum Pipe Capacity:	Is capacity allowance greater than all of the piping runs to be tested? ☐ Yes ☐ No
Leak Threshold: ☐ 0.05 gph ☐ 0.01 gph ☐ Other:_____	Recommended Test Pressure:	Minimum Test Duration:

Pre Test Data

Note: The Department does not recommend testing separate lines within the same graduated cylinder as fuel expanding in a line may mask a leak from a leaking line when tested together.

	Line#/Product	Line#/Product	Line#/Product	Line#/Product	Line#/Product	Line#/Product
Line Contact Location						
Piping Length (ft)						
Operating Pressure (psi)						
# of Connected Dispensers						
# of Flex Connectors						
Calculated Maximum Bleedback(gal)						
Measured Bleedback(gal)						
Pretest Duration(mins)						

Line Tightness Test Data

	Line#/Product	Line#/Product	Line#/Product	Line#/Product	Line#/Product	Line#/Product
Time						
Before Pressure (psi)						
After Pressure (psi)						
Before Volume (gals)						
After Volume (gals)						
Net Volume Change (gals)						

Line Tightness Test Results

Note: Non passing test results must be reported to the Department within 24 hours.

	Line#/Product	Line#/Product	Line#/Product	Line#/Product	Line#/Product	Line#/Product
Test Results	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	☐ Pass ☐ Fail	
If test failed were repairs made:	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
If test failed was the line retested and a passing result obtained (attach passing result):	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	

Comments:

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements. Per SC Underground Storage Tank Regulations 61.92, 280.45 (b)(i), records of this testing must be kept for a period of three years. If this line test is a result of repairs, Section 280.33(g) requires that the repair records be kept until permanent closure or change in service 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

Line Tightness Testing for Underground Storage Tanks (USTs)

General Information:

The primary purpose of this form is to provide consistency in the line tightness testing requirements 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 line tightness testing.

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 Line Tightness Testing Form:

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

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

System and Testing Information:

1) Purpose of the test: Indicate by checking the box why the test was being conducted.
2) Complete all information pertaining to the date of test, next test date due, time arrived and the methodology used.
3) Complete all information regarding the type of piping being tested.
4) Indicate which type of release detection is being used for the piping being tested.

Line Tightness testing Methodology: Please complete all of the details regarding how the piping is being tested.

Pre Test Data Table: Please complete all of the details regarding the methodology for the pretest of the piping being tested.

Line Tightness Test Data Table: Please complete all of the details regarding the methodology for the piping being tested.

Line Tightness Test Results: Check if the piping tested passed or fails. Indicate if repairs were made for failing lines.

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 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.