



**UNDERGROUND STORAGE TANK MANAGEMENT DIVISION
LIQUID SENSOR FUNCTIONALITY TESTING**
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	
Physical Address		Testing Company (if applicable)	
City	State	Tester Address (if applicable)	
Owner Phone Number		Testing Company Phone Number (if applicable)	

System Information and Testing Requirements

Purpose of Test	<input type="checkbox"/> Annual					
	<input type="checkbox"/> New Installation					
	<input type="checkbox"/> Troubleshooting					
	<input type="checkbox"/> Leak Investigation					
	<input type="checkbox"/> Other: _____					
Sensor Location						
Type of Sensor	<input type="checkbox"/> Discriminating <input type="checkbox"/> Non-discriminating	<input type="checkbox"/> Discriminating <input type="checkbox"/> Non-discriminating	<input type="checkbox"/> Discriminating <input type="checkbox"/> Non-discriminating	<input type="checkbox"/> Discriminating <input type="checkbox"/> Non-discriminating	<input type="checkbox"/> Discriminating <input type="checkbox"/> Non-discriminating	<input type="checkbox"/> Discriminating <input type="checkbox"/> Non-discriminating

Liquid Sensor Test Data Table

Sensor Location (ie sump, stp, udc, annular)							
Is the ATG console clear of any active or recurring warnings or alarms regarding the sensor? If the sensor is in alarm and functioning indicate why in the comments section.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Is the sensor alarm circuit operational?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Has sensor been inspected and in good operating condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
When placed in the test liquid, does the sensor trigger an alarm?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
When an alarm is triggered, is the sensor properly identified on the ATG console?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Does sensor shut down STP and/or dispenser power?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

Test Results

Note: Any response of "no" to the above questions indicates the sensor failed the test.

Test Results	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
If test failed was new sensor installed and tested with a passing result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

Tester's Signature: _____ Date: _____



Liquid Sensor Functionality Testing for Underground Storage Tanks (USTs)

General Information:

The primary purpose of this form is to provide consistency in the liquid sensor functionality 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 liquid sensor functionality 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 Liquid Sensor Functionality test 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 (if applicable) and their company (if applicable) including the city and state from which they operate and their certification information. Only enter testing company data if applicable.

System Information and Testing:

- 1) Purpose of the test: Indicate by checking the box why the test was being conducted
- 2) Provide the details regarding the sensors being tested to include type and location.

Liquid Sensor Test Data Table: Please provide all of the details regarding the methodology for the sensor(s) being tested.

Test Results: Check if the sensor(s) tested passed or failed. If they failed please indicate if a new sensor was installed and tested.

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. If this is completed in response to an inspection, please forward it to the Department for our 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.