## Temporary Approval to Receive Fuel for Piping System (LTT) and ALLD Tests

Underground storage tanks (USTs) may not receive product unless they have a valid UST permit. While some tank tightness tests can be performed without placing fuel in the UST, most LTTs and ALLD tests must be conducted with fuel in the UST. In order to obtain temporary approval to receive fuel for the purpose of testing your piping system and ALLDs\*, the following procedures must be followed:

- Conduct a tank tightness test using a method that does not require product to be placed in the tank.
- Verify proper operation of the overfill prevention equipment and the integrity of the spill buckets for each UST system.
- Submit a written request to the Underground Storage Tank Section's Registration & Permitting Office

\* Note: ALLDs are only required for pressurized piping systems.

The written request should contain the following information:

- The name, address and facility ID number for the UST facility.
- The owner's name and address.
- A copy of the tank tightness test results, including supporting data sheets.
- Overfill prevention equipment operability check results (UST- 22A form) and spill bucket integrity test results (UST-6D/23A form).
- The date that the LTTs and ALLD tests will be conducted.
- The name and address of the company that will be conducting the tests.

Upon review of the request, a temporary approval to receive fuel may be issued allowing the recipient to legally place fuel into their USTs for the express purpose of testing the UST system. **The temporary approval to receive fuel is only good for 10 days after the letter is issued.** Once the tests are completed, the following information must be submitted to the UST Section Central Office to apply for an annual operating permit:

- A UST-8 "Notification for Activities Involving Underground Storage Tank Systems (USTs)"
- A copy of the LTT results.
- A copy of the test results for the ALLDs that clearly show the make and model of each ALLD tested and that each ALLD is working properly.
- If applicable, interstitial sensor operability check results (UST-22B form), containment sump integrity test results (UST-6F/23B form) and double-walled piping interstitial integrity test results (UST-6G/23C form).

\*Forms and other guidance are available on DENR's UST Section website: <u>http://portal.ncdenr.org/web/wm/ust</u>

## Contact Us:

Tel: (919) 707-8171 Fax: (919) 715-1117 Website: <u>http://portal.ncdenr.org/web/wm/ust</u> Mail:

## USPS: NCDENR/UST

Attn: Registration & Permitting 1637 Mail Service Center Raleigh, NC 27699-1637

#### Overnight/Special Delivery: NCDENR/UST

Attn: Registration & Permitting 217 West Jones St. Raleigh, NC 27603-6100



## Procedures for Placing UST Systems in Temporary Closure & Returning them to Service





N.C. Department of Environment and Natural Resources

Division of Waste Management UST Section

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## Steps to place a UST system in **Temporary Closure:**

A UST System temporarily closed for less than 3 months:

- Continue operation and maintenance of corrosion protection systems on tanks and piping, if required.
- Continue evaluating corrosion protection systems for proper operation by a qualified corrosion protection tester at least every 3 years. Submit corrosion protection test results to DENR. Results must be recorded on a UST-7A form for galvanic corrosion protection systems and on a UST-7B form for impressed current corrosion protection systems.
- UST systems with impressed current corrosion protection systems must also be inspected every 60 days to ensure the equipment is operating properly. Log 60 day readings on a UST-21 form.
- Remove all product and residue from UST systems such that not more than one inch is present in any portion of the system.
- Submit a UST-8 form, "Notification for Activities Involving Underground Storage Tank Systems (USTs)," to DENR notifying the state that the UST systems have been placed into temporary closure.
- Clean product, water and debris out of spill buckets.
- Continue to submit annual tank fees and maintain financial responsibility.

A UST system temporarily closed for 3 months or more must:

• Perform all steps required for UST systems temporarily closed for less than 3 months (see above).

- In addition, ensure vent lines are open and functioning.
- Cap and secure all other lines, pumps, man ways, and ancillary equipment.

# Steps to bring a UST system out of **Temporary Closure** and place it back in service:

- If a corrosion protection system has been inactive, complete the steps found in DENR's *"Procedures for Inoperative or Failed Corrosion Protection Systems"*\* corresponding to the length of the corrosion protection system outage.
- Submit a UST-8 form, "Notification for Activities Involving Underground Storage Tank Systems (USTs)," to DENR updating current UST system equipment and leak detection procedures.

### A UST system temporarily closed for 12 months or more must perform the following steps in addition to the previous items:

- Verify proper operation of overfill equipment by conducting an operability check in accordance with the manufacturer's written guidelines. Record the results on a UST-22A form.
- Verify the integrity of spill buckets by conducting tightness tests in accordance with the manufacturer's written guidelines. Record the results on a UST-6D/23A form.
- Conduct a 0.1 gph third party certified precision tank tightness test (TTT) of the entire UST.
- Check all visible systems and equipment to make sure they are in an acceptable condition for operation.
- Conduct a 0.1 gph third party certified precision line tightness test (LTT) of all piping for pressurized or standard suction systems. For double-walled piping where interstitial leak detection monitoring will be used and/or is

required, also test the interstitial space in accordance with manufacturer's written guidelines and the most recent version of Petroleum Equipment Institute / Recommended Practice 100 (PEI RP100), "Recommended Practice for Installation of Underground Liquid Storage Systems." Record the results on a UST-6G/23C form.

- Conduct Automatic Line Leak Detector (ALLD) functionality tests for pressurized piping systems.
- Please see the back of this brochure for instructions on getting temporary approval to receive fuel so that LTTs and ALLD tests can be conducted.
- For containment sumps associated with tanks, piping and/or dispensers installed on or after 11/1/2007, verify the integrity of the containment sumps by testing the sumps in accordance with manufacturer's written guidelines and the most recent version of PEI/RP100. Record the test results on a UST-6F/23B form.
- For tanks, piping and under dispenser containment installed on or after 11/1/2007 and that are monitored using electronic liquid detecting sensors, conduct an operability check of all sensors in accordance with the manufacturer's written guidelines. Record the results on a UST-22B form.
- Submit all results for spill bucket integrity tests (UST-6D/23A form), overfill prevention equipment operability checks (UST-22A form), LTTs, ALLD functionality tests, and if applicable, interstitial sensor operability checks (UST-22B form), containment sump integrity tests (UST-6F/23B form), and double-wall piping interstitial space tests (UST-6G/23C form).

\*Forms and other guidance are available on DENR's UST Section website: http://portal.ncdenr.org/web/wm/ust