

- UST-22B form. Electronic liquid detecting sensor operability check¹.
- UST-23A form. Spill bucket integrity test².
- UST-23B form. Containment sump integrity test².
- UST-23D form. Double-walled tank interstitial space test. Must use a 0.1 gallon per hour third party certified interstice tightness test if using an electronic liquid detecting sensor for a dry interstitial space. If the tank is monitored by pressure, brine or vacuum it must also be tested when coming out of temporary closure. If there is not a 3rd party certified tightness test available to test the interstice of a pressure, vacuum or brine monitored interstice, then it must be tested in accordance with a National Standard such as Petroleum Equipment Institute/Recommended Practice (RP) 1200. Test results older than 6 months will not be accepted.

Once the Phase 1 requirements above are met, a temporary operating permit will be issued. This will allow final testing to be conducted. To receive a standard operating permit, an owner or operator must submit to DEQ: (Phase 2 of 2)

- UST-8 form, "Notification for Activities Involving Underground Storage Tank Systems (USTs)," updating current UST system equipment and leak detection.
- Automatic line leak detector functionality test results (for pressurized piping only);
- Line tightness test results. Required for pressurized piping or American suction piping. Must use a 0.1 gallon per hour third party certified precision line tightness test.
- UST-23C form. Double-walled piping interstitial space test². (Required for, piping installed on or after November 1, 2007).
- Proof of financial responsibility (pollution liability insurance policy, if applicable)

¹ Must be performed in accordance with the manufacturer's written guidelines.

² Must be performed in accordance with manufacturer's written guidelines and the most recent version of Petroleum Equipment Institute/Recommended Practice (RP) 1200.

Once the Phase 2 requirements are met and any facility compliance issues have been resolved, a standard operating permit will be issued.

Forms and other guidance are available on DEQ's UST Section website:
<http://www.wastenotnc.org/>

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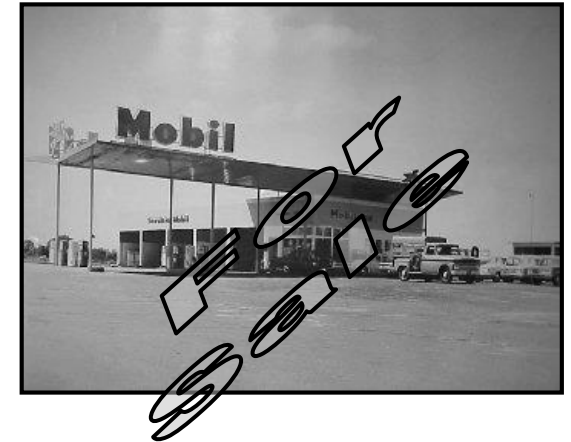
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Procedures for Placing UST Systems in Temporary Closure & Returning them to Service



N.C. Department of Environmental Quality

Division of Waste Management UST Section

Steps to Place a UST System in Temporary Closure:

A UST System temporarily closed for less than 90 days:

- 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 DEQ. 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. Write 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 DEQ notifying the state that the UST systems have been placed into temporary closure.
- Remove product, water and debris out of spill buckets.
- Continue to submit annual tank fees and maintain financial responsibility.

A UST system temporarily closed for 90 days or more must:

- Perform all steps required for UST systems temporarily closed for less than 90 days (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 into Service:

For a UST system that has been temporarily closed for 90 days or less, an owner or operator must submit to DEQ:

- UST-8 form, "Notification for Activities Involving Underground Storage Tank Systems (USTs)," updating current UST system equipment and leak detection procedures.
- UST-7A or B form. Cathodic protection test results. Required for a UST system that has a corrosion protection system.
- Annual tank fees, if owed.
- Proof of financial responsibility, if not already on file for the present owner or operator.

Once the requirements above are met and any facility compliance issues are resolved, a standard operating permit will be issued.

For a UST system that has been temporarily closed for greater than 90 days, an owner or operator must submit to DEQ:

UST System/Component Installed before November 1, 2007 (Phase 1 of 2)

- UST-7A or B form. Cathodic protection test results. Required for a UST system that has a corrosion protection system.
- Annual tank fees, if owed.
- Proof of financial responsibility, if not already on file for the present owner or operator. If an owner or operator intends to use pollution liability insurance, then an insurance policy may not be able to be submitted until after all testing has been completed.

- Tank Tightness Testing
 - **Single Wall Tanks:** Tank tightness test results. Must use a 0.1 gallon per hour third party certified precision tank tightness test. Test results older than 6 months will not be accepted.
 - **Double Wall Tanks:** UST-23D form. Double-walled tank interstitial space test. Must use a 0.1 gallon per hour third party certified interstice tightness test or a test from a National Standard such as Petroleum Equipment Institute/Recommended Practice (RP) 1200. Test results older than 6 months will not be accepted.
- UST-22A form. Overfill operability check¹.
- UST-23A form. Spill bucket integrity test².
- UST-23B form. Containment sump integrity test². Required if using interstitial leak detection monitoring for piping.

UST System/Component Installed on or after November 1, 2007 (Phase 1 of 2)

- Annual tank fees, if owed.
 - Proof of financial responsibility, if not already on file. If an owner or operator intends to use pollution liability insurance, then an insurance policy may not be able to be submitted until after all testing has been completed.
 - UST-22A form. Overfill operability check¹.
- ¹ Must be performed in accordance with the manufacturer's written guidelines.
- ² Must be performed in accordance with manufacturer's written guidelines and the most recent version of Petroleum Equipment Institute/Recommended Practice (RP) 1200.