# UST Operator Inspection Form
# Detailed Instructions

**Tank Leak Detection**:

Monthly Leak Detection

- Valid leak tests have been performed and filed for all USTs

**ATG Automatic Tank Gauging**:

- Passing valid tank test report printed & filed for current month.

**IM Interstitial Monitoring**:

- Sensor status report printed or manual log completed & filed for current month.

**SIR Statistical Inventory Reconciliation**:

- Inventory readings for product input, withdrawals, and the amount remaining in the tank are up to date for the current month.
- Last months results passed and available & filed.

**IC Inventory Control**:

- Inventory readings for product input, withdrawals, and the amount remaining in the tank are up to date for the current month.
- Last months inventory readings are properly reconciled and are within the appropriate allowable amount & filed.

**MTG Manual Tank Gauging**:

- Records show proper sticking and measuring of product level at beginning and end of inactive period of appropriate length.
- Last months inventory readings are properly reconciled and are within the appropriate allowable amount & filed.

Weekly Check

- The status of the UST system is monitored every seven days for alarms and unusual operating conditions that may indicate a release:
  - Ensure that any alarms or failed tests from your ATG have been justified or reported as a suspected release to DERR.
  - Inventory records show no unaccounted losses of product.

**Piping Leak Detection:**

(**ALD**) Annual Automatic Line Leak Detector functionality test:

- Passing tests within the last 12 months:
  - A Utah Certified Tester has tested for proper operation of the line leak detector by simulating a 3.0 gallons per hour leak (SL) **or** the electronic line leak detector has performed a 3 gallons per hour (gph), .2 gph or .1 gph test with the last 12 months.

(**LTT**) Line Tightness Test:

- Passing tests within the last 12 months:
  - A Utah Certified Tester has tested the pressurized piping (.1 gallons per hour (GPH)) within the last 12 months, has passed and has been properly filed.

(**.2 GPH, IM, SIR**) Monthly Line Monitoring:

- Valid piping test results passed and available for inspection:
  - **(.2 GPH)**: Electronic Line Leak Detector has a passing valid test report, it has been printed & filed.
  - (**IM**) Interstitial Monitoring: Sensor status report printed or manual log completed & filed.
  - (**SIR)** Statistical Inventory Reconciliation: Last months results passed and available & filed.

**Corrosion Protection:**

- All portions of the UST system in contact with the ground are non-metallic or cathodically protected:
  - Any metallic components of the UST system in contact with soil or water must have cathodic protection.

Impress Current and Galvanic Systems:

- Cathodic Protection test has been performed within the last 3 years and has passed and is available for inspection:
  - A Utah Certified Cathodic Protection Tester has performed a Cathodic Protection test within the last 3 years and has passed and is available for inspection.

Impressed Current System only:

- Rectifier has been checked and logged within last 60 days:
  - Log is current and available for inspection.

**Physical Inspection:**

- All tank top covers present, in good condition and seated firmly:
  - Check to ensure the lids to the turbine sumps, spill buckets and transition sumps create a tight seal when closed and are securely fastened.
- All tank top entry ports are properly capped and sealed:
  - Check to ensure the caps at the fill and vapor recovery ports are seated firmly and not broken or cracked.
  - All other entry ports including probes (interstitial and ATG) and all other unused entry ports are sealed tightly.

Spill Containment:

- All are free from debris, water and product:
  - Water or product must be removed and disposed of properly, so that the bucket can have the capacity to contain a spill and be easily visually inspected.
- All are free from cracks, holes and deformation:
  - Visually inspect the spill buckets for cracks and holes. Check for deformation in the spill bucket or separation from the fill pipe.

Overfill:

- All fills are un-obstructed:
  - No obstructions, such as a broken gauge stick, inside the drop tube. This disables the overfill valve (if present) and can cause the UST to be overfilled.
- Auto-shutoff valves or ball floats are present and functional:
  - Drop tube shutoff valve present (can be seen down the drop tube)
  - 2 point vapor recovery with ball float. No rock or other construction jammed in vapor recovery poppet.
- Overfill alarm properly located and clearly identified:
  - Alarm is mounted close enough to the fills so that the delivery driver can clearly see and hear it.
  - The alarm is functional and sounds at the proper level.

Vapor Recovery Port:

- Poppet of vapor-recovery adaptors moves freely & seals tightly:
  - The poppet at the vapor recovery port (dry break) moves freely and seals tightly.
- Vapor recovery ports are un-obstructed:
  - The poppet at the vapor recovery port (dry break) has no obstructions such as rocks or sticks.

UST Compliance Tags:

- Current year tags are present and old tags removed:

- Current year tags are attached by nylon straps to the fills and are clearly visible to the delivery drivers. All previous year tags have been removed.

Dispenser, Submersible and other sumps:

- Debris, water and product have been removed and properly disposed:
  - Liquids and ice can damage sumps or cause corrosion of metal components. Many sumps are not designed to contain fuel for long periods of time and it may compromise the integrity of the sump. Check to see if debris such as old fuel filters, old leak detectors, gravel, dirt and garbage has been removed.
- Sumps free of cracks, holes and other defects:
  - Ensure that the walls of the sumps are intact and are not slumping or warping. Check for cracks in areas where components, such as conduits and piping, enter the sump.
- Penetration fittings intact and secured:
  - Inspect all sump penetrations for tears or any other sign of deterioration. Loose seals can potentially allow a release of fuel into the environment.
- All sensors are placed in the lowest portion of the sumps:
  - Sensor properly mounted vertically at the bottom of the sump at the lowest point.

All Submersible Pumps (STP) (with or without containment sumps):

- Flexible connectors and piping in good condition:
  - Any visible flex connect not deformed, kinked or bent beyond what the manufacture recommends.
  - Inspect any visible flex plastic piping for splitting, sponginess, any elongation or cracking.
- Submersible pump & visible piping and fittings show no sign of leaking:
  - All fittings, such as leak detector and functional element, are tight and show no sign of leaks or seeps. If no sump, check for soil staining which may indicate a drip.

All Dispensers:

- Flexible connectors and piping in good condition:
  - Check all the dispensers with a flashlight. Check visible flex connectors or flexible plastic piping for any deformation, splitting or kinking.
- Visible piping, fittings, ancillary equipment shows no sign of leaking and all conduits are sealed:
  - Check for drips or seeps from fuel filter, fire valves or any other fittings within the dispenser. If no sump, check for soil staining which may indicate a drip.

**Suspected Release Reporting:**

- All suspected releases discovered during the operator inspection have been reported to DERR within 24 hours:
  - Be prepared to respond to releases BEFORE they may occur. You need to know what to do when release detection methods indicate a suspected or confirmed release.
  - A suspected release can be:
    - a failed monthly tank test,
    - a failed monthly or annual line test,
    - any Unusual operating conditions, such as drips at dispensers or sub-pump,
    - UST overfills or surface spills of fuel,
    - free product or vapors found on site or on adjacent properties

**The person performing the inspection must date and initial the inspection each month. The Class B operator must sign off on the inspections. If any information on this form is found to be inaccurate the Class B operator may be subject to the retraining requirements found in Utah Underground Storage Tank Rules R311-201-12(k) and in the UST Owner/Operator Manual-Chapter 2.**