



Underground Storage Tank System Compliance Guide

What You Need to Know

An owner, an operator, and a person in charge of an underground storage tank (UST) system located in Maryland are required to comply with Code of Maryland Regulations (COMAR) Title 26 Subtitle 10, Oil Pollution Control and Storage Tank Management. This guidance document provides a summary of requirements based on regulations effective June 13, 2022.

All UST Systems

Installation, Upgrade, Repair

Use a Maryland certified UST system technician for installation, upgrades, and repairs.

Notify MDE in writing not later than 5 working days prior to beginning the installation of a UST system.

Install UST systems in accordance with COMAR 26.10, incorporated references, and manufacturer's specifications.

On or after January 12, 2009, install a double-walled UST system or UST system with secondary containment.

On or after January 26, 2005, install:

- Double-walled piping or piping in a UL listed or MDE approved secondary containment system; and
- Containment sumps that are maintained clean and free of liquid at all piping connections to the tank, beneath dispensers, and where intermediate sumps are used.

Properly protect the UST system from corrosion at time of installation or upgrade by December 22, 1998, except if the UST system stores heating oil only for direct on-site consumptive use and was installed prior to March 15, 1985.

Ensure the compatibility of the UST system with the regulated substance stored. If the UST system stores greater than 10% ethanol, 20% biodiesel, or other regulated substance identified by MDE, demonstrate the compatibility of the UST system with the regulated substance, including the UST, piping, containment sumps, pumping equipment, release detection equipment, spill prevention equipment, and overfill prevention equipment.

Replace all single-walled piping connected to the UST with piping installed in a UL listed or MDE approved secondary containment system when 40% or more of piping connected to a single UST is replaced.



Underground Storage Tank System Compliance Guide

What You Need to Know

Except for the vent riser containment sump, beginning June 13, 2022, install a properly secured sump sensor in each containment sump within 1 inch of the lowest part of the sump bottom that will activate an alarm when liquid is detected.

Beginning June 13, 2022, install an under-dispenser containment sump when installing a new dispenser and equipment to connect the dispenser to the UST system.

Maintain an as-built diagram of the UST system that includes a layout of the tanks and piping if the UST system was installed after January 1, 2006.

Do **not** install fiberglass reinforced plastic piping for the direct fill, unless approved by MDE, or above grade or above ground.

Do **not** install flexible plastic piping for the direct fill, vent, or Stage II piping after January 1, 2009.

Install a minimum 5-gallon capacity spill catchment basin at the UST system direct and remote fills except if:

- The UST system was installed before November 4, 1996, and stores heating oil only for direct on-site consumptive use;
- The UST system was installed before November 4, 1996, and receives used oil; or
- Not more than 25 gallons of a regulated substance are transferred at one time to the UST system.

On or after July 1, 1998, install a minimum 5-gallon capacity spill catchment basin at the Stage I vapor recovery connection.

Install a drop-tube in the fill pipe of a UST system that stores a flammable substance or a UST system with a capacity greater than 1,100 gallons that stores a combustible substance.

Properly mark the fill to indicate the size of the UST and the type of regulated substance stored.

Install overfill prevention equipment except if:

- The UST system was installed before November 4, 1996, and stores heating oil only for direct on-site consumptive use; or
- Not more than 25 gallons of a regulated substance are transferred at one time to the UST system.

Do **not** install or replace a flow restrictor in a vent line. Removal of a flow restrictor device must include removal of the housing assembly from the UST.



Underground Storage Tank System Compliance Guide

What You Need to Know

Conduct a precision tightness test of the UST system after installation, replacement, upgrade, or repair and before placement into service.

UST System Registration

Register a UST system after installation is complete.

Amend the registration of a UST system not later than 30 days following:

- The installation or acquisition of a new or replacement UST system;
- Return of a temporarily closed UST system to in-service status;
- A change in the regulated substance stored;
- A change-in-service to store a non-regulated substance;
- An upgrade of an existing UST system;
- The temporary closure or permanent closure of a UST system;
- A change to the method of spill or overfill prevention;
- A change to store greater than 10% ethanol or 20% biodiesel; or
- If applicable, an owner of UST system being released from the requirement to maintain financial responsibility or obtaining coverage under an alternate mechanism of financial responsibility.

Maintain the MDE issued UST system registration certificate. Display the certificate at the regulated substance storage facility or immediately produce the certificate upon request of MDE.

UST system facility summary reports are available online.

(<https://mes-mde.mde.state.md.us/FacilitySummary/>)

Delivery or Transfer Operation

Ensure the ullage available in the UST is greater than the volume of the regulated substance to be transferred to the UST before delivery or transfer.

Ensure a spill, release, or discharge of a regulated substance does not occur due to overfilling the UST or spilling a regulated substance during the transfer.

Ensure the delivery or transfer operation is constantly monitored to prevent overfilling of the UST and spilling of a regulated substance.

Ensure the company making an oil delivery or transfer using a truck tank or transport with a cargo tank capacity of 500 gallons or greater holds a valid Individual Oil Operations Permit.

For a non-metered UST system, gauge the liquid level using a gauging stick or an electronic method before filling the UST and record the measurements in writing.



Underground Storage Tank System Compliance Guide

What You Need to Know

Return and secure any fill pipe or Stage I vapor recovery connection cap after delivery or transfer operation.

General Operating Requirements

Maintain corrosion protection continuously for the life of the UST system.

Test a field-installed cathodic protection system within 6 months of installation and at least annually thereafter.

Test a factory-installed cathodic protection system within 6 months of installation and at least once every 3 years thereafter.

If determined to be inadequate, repair the cathodic protection system within 60 days and re-test within 6 months of the repair.

Inspect an impressed current cathodic protection system at least every 60 days to ensure that the system is functioning properly.

Have a corrosion expert perform a 5-year assessment of the impressed current system at 5 years of age and at least every 5 years thereafter.

Maintain spill catchment basins clean and dry.

Conduct a MDE approved spill catchment basin test:

- Within 30 days of installation;
- Upon repair; and
- At least annually thereafter.

Have a Maryland certified UST system inspector or technician or precision tightness tester certified by a test method conduct an inspection and functional test of overfill prevention equipment:

- No later than June 12, 2023, unless an inspection and functional test was conducted before June 13, 2022;
- Within 3 years of the most recent test conducted before June 13, 2022, if applicable;
- Upon installation;
- Upon repair; and
- At least every 3 years thereafter.

Conduct a MDE approved containment sump test of each containment sump:

- Within 30 days of installation;



Underground Storage Tank System Compliance Guide

What You Need to Know

- Upon repair;
- Within 5 years of the most recent test conducted before June 13, 2022; and
- At least every 3 years thereafter.

For a metered UST system, measure the liquid level of the UST each day of operation using a gauging stick or an electronic method and reconcile the results with pump meter readings and regulated substance delivery receipts.

Immediately investigate and report to the owner inventory variations exceeding 1% plus 130 gallons of the metered quantity of a regulated substance over a period of 30 consecutive days and daily inventory which shows 7 consecutive days of shortage totaling 80 gallons or more. If, after investigation, the owner or operator determines that there is no indication of a leak, the owner or operator shall state the cause of the variation in the daily inventory records. If the investigation reveals a leak, immediately notify MDE and begin corrective actions.

Maintain a storage tank gauging stick in good operating condition and capable of measuring the level of a regulated substance over the full range of the UST and riser pipe height to the nearest 1/8 inch.

Keep a key or other access device at the regulated substance storage facility for access to the dispenser system.

On or after January 12, 2009:

- Perform interstitial monitoring as a primary or secondary method of tank and piping release detection; and
- Conduct a precision tightness test of the interstice of all piping at least every 5 years.

Motor Fuel, Used Oil, Bulk Heating Oil Storage, and Emergency Generator UST Systems

Comply with the requirements for All UST systems.

Financial Responsibility

The registered owner of a UST system must meet one or more of the financial responsibility (FR) mechanisms allowed by the federal regulations, 40 CFR 280 Subpart H.

If the financial mechanism is an insurance policy or risk retention group coverage, provide an endorsement or certificate of insurance; any amendments to the insurance policy or risk retention group coverage, including amendments for additional insured; and a UST schedule.

The UST schedule must include at a minimum:

- The MDE issued regulated substance storage facility identification number;



Underground Storage Tank System Compliance Guide

What You Need to Know

- The registered UST system owner's name and address as insured;
- The installation date of the UST system;
- The UST system capacity in gallons;
- A statement that the UST construction is single-walled or double-walled; and
- The type of regulated substance stored in the UST system.

Submit evidence of FR annually to MDE in electronic format via email at UstAnnual.FinancialResponsibility@maryland.gov not later than 90 days of the initiation of coverage or the anniversary date of existing coverage.

Periodic Operation and Maintenance Walkthrough Inspections

Conduct periodic operation and maintenance walkthrough inspections.

Complete monthly and annual periodic operation and maintenance walkthrough inspection forms using a MDE approved form. Acceptable forms include:

- MDE monthly and annual forms (available on the MDE-OCP Fact Sheets and Publications webpage:
<https://mde.maryland.gov/programs/land/OilControl/Pages/factsheetspublications.aspx>);
- PEI RP 900-17 *Recommended Practices for the Inspection and Maintenance of UST Systems* monthly and annual forms; or
- An approved alternative form.

Approval of an alternative periodic operation and maintenance walkthrough inspection form can be requested by submitting a *Maryland Self-Verification for Alternative Walkthrough Inspection Form*.

(Available on the MDE-OCP Fact Sheets and Publications webpage:

<https://mde.maryland.gov/programs/land/OilControl/Pages/factsheetspublications.aspx>)

On a monthly basis, check spill prevention equipment, release detection equipment, and release detection records. Check spill prevention equipment prior to each delivery if the UST system receives deliveries at intervals greater than 30 days.

On an annual basis, check containment sumps and hand held release detection equipment.

Release Detection

Conduct a MDE approved method of monthly tank release detection.

Conduct a MDE approved method of piping release detection.

Precision tightness test pressurized piping annually and unsafe suction piping every 2 years.



Underground Storage Tank System Compliance Guide

What You Need to Know

Perform an operability test of each electronic and mechanical component of a release detection method annually.

Conduct a line leak detector test annually.

UST System Operator Training

Designate by a written list one or more trained and certified individuals to serve as a Class A, Class B, and Class C operator.

Maintain written instructions for the facility's UST systems that are readily accessible at all times to the operator that describe how to respond to operational or equipment alarms, warnings, or alert mechanisms; implement the emergency shutoff process; respond to a suspected or confirmed spill, release, or discharge, unusual operating condition, emergency, and equipment failure; and notify MDE of a spill, release, or discharge.

Maintain a list of emergency telephone numbers readily accessible on-site for contacting persons responsible for the facility in the event of a suspected or confirmed spill, release, or discharge, unusual operating condition, emergency, or equipment failure.

Within 10 business days of a change, update the written list of trained and certified operators, written instructions, and emergency telephone numbers.

Third Party Inspection

Within 30 days of receiving a notification from MDE, have a Maryland certified UST system inspector conduct an inspection of the UST system to verify the owner's and operator's compliance with Maryland regulations.

Hazardous Substance UST System

Comply with the requirements for All and Motor Fuel UST systems.

UST system must be double-walled or secondarily contained.

Utilize interstitial monitoring for tank and piping release detection.

Heating Oil UST Systems for Direct On-Site Consumptive Use

Comply with the requirements for All UST systems.



Underground Storage Tank System Compliance Guide

What You Need to Know

If release detection of the UST system is not performed or maintained, the UST system is not protected from corrosion, or the UST system does not comply with current spill and overfill requirements, conduct a precision tightness test at 15 years of age, immediately if age is unknown, and every 5 years thereafter.

UST Systems with Field-Constructed Tanks and Airport Hydrant Fuel Distribution Systems

See the *UST Systems with Field-Constructed Tanks and Airport Hydrant Fuel Distribution Systems* fact sheet. (Available on the MDE-OCP Fact Sheets and Publications webpage:

<https://mde.maryland.gov/programs/land/OilControl/Pages/factsheetspublications.aspx>)

High Risk Oil Storage Facilities

See the *High Risk Oil Storage Facilities* fact sheet. (Available on the MDE-OCP Fact Sheets and Publications webpage:

<https://mde.maryland.gov/programs/land/OilControl/Pages/factsheetspublications.aspx>)

Marina Systems

See the *Marina Piping for ASTs and USTs and Boat and Vessel Fueling at Marinas* fact sheets. (Available on the MDE-OCP Fact Sheets and Publications webpage:

<https://mde.maryland.gov/programs/land/OilControl/Pages/factsheetspublications.aspx>)

No later than June 12, 2025, a marina with an AST or a UST system installed before June 13, 2022 must complete the following:

- Install, grouped in one location on-shore and near the approach to the fueling pier, and identify with 2-inch minimum red capital letters (EMERGENCY FUEL SHUTOFF VAVLE) a readily accessible shut-off ball valve in a waterproof containment sump for each pipe;
- Ensure the electrical components of the marina fueling system are installed in accordance with NFPA 70 *National Electrical Code* 2020 Edition;
- Install and identify by sign with 2-inch minimum red capital letters (EMERGENCY PUMP SHUTOFF) emergency shut-off switches that are interlocked to shut off power to all pump motors, fuel dispensing devices, solenoid valves, and electrical circuits in classified areas from any individual location and manually reset only from a master switch;
- Locate emergency shut-off switches on land within 10 feet of the bulkhead and near to the approach to a fueling pier and on the fueling pier at least 20 feet and not further than 100 feet from the dispensers;



Underground Storage Tank System Compliance Guide

What You Need to Know

- Ensure the fuel dispensing systems (dispensers, dispenser hoses, and nozzles) are UL listed, compatible with the regulated substance dispensed and the product piping, include a liquid tight containment sump and automatic-closing type dispensing nozzle without a latch-open device, and has a UL listed properly installed and anchored shear valve;
- Post one or more signs in the dispensing area that provide instructions to the public on vessel fueling procedures in accordance with Section 11.10.8 of NFPA 30A *Code for Motor Fuel Dispensing Facilities and Repair Garages* 2021 Edition;
- Secure dispensing hoses greater than 18 feet by a hose reel;
- Install piping properly protected from corrosion in a UL listed or MDE approved secondary containment system that terminates in a liquid tight sump with a sump sensor (except the vent riser sump);
- Install a sump sensor properly secured by a fixed mounting bracket in each containment sump within 1 inch of the lowest part of the sump bottom that will activate an alarm when liquid is detected;
- Connect piping to the UST in a liquid tight containment sump that is maintained clean and free of liquid and when a product dispenser is part of the UST system, install piping that terminates in an under-dispenser containment sump that is liquid tight and maintained clean and free of liquid;
- Install UL listed flexible double-walled piping between the bulkhead and the dispenser rated for aboveground, overwater, or underwater use by the piping manufacturer or sleeved in rigid, corrosion-resistant pipe meeting a minimum 2-hour fire rating;
- Install non-corrosive pipe supports, an in-line breakaway that seals both ends of the piping, and fire-rated flexible connectors between the bulkhead and a floating pier;
- Connect piping to the floating pier in a leak-proof containment sump with a manual ball valve in the product line, a solenoid valve that is closed when the emergency pump shutoff is activated or when no fueling is occurring, and a sump sensor that triggers a positive system shutdown;
- During vessel fueling activities, provide an attendant that is familiar with the dispensing systems and emergency shutoff controls during vessel fueling activities, prevents the dispensing of oil into improper portable containers, ensures vessels are properly moored and all fueling connections are made, remains within 15 feet of the dispensing controls during a fueling operation, and maintains a direct, clear, and unobstructed view of both the vessel fuel filler neck and the emergency pump shutoff; and
- Provide, maintain, and inspect monthly, a spill response box near to a fuel dispensing area that stores a sufficient quantity of sorbent materials that can float on water to contain a minimum of 25 gallons of oil.

Unattended Facilities

Requires prior written approval from MDE.



Underground Storage Tank System Compliance Guide

What You Need to Know

See the *Unmanned UST Fuel Dispensing Facility* fact sheet. (Available on the MDE-OCP Fact Sheets and Publications webpage:

<https://mde.maryland.gov/programs/land/OilControl/Pages/factsheetspublications.aspx>)

UST System Closure and Change in Service

Use a Maryland certified UST system technician or remover for closure or change in service.

Temporary Closure of a UST System

Maintain corrosion protection.

Maintain release detection if the UST, UST with a field-constructed tank, or airport hydrant system contains more than 1 inch of residue or 0.3% by weight of the total capacity of the UST. Operation and maintenance testing and inspections of release detection equipment are not required.

Amend the registration not later than 30 days following the temporary closure, permanent closure, or change in service.

If a motor fuel, bulk oil storage, used oil, or hazardous substance UST system, perform the certified UST system inspections.

If the UST system is temporarily closed for 3 months or greater, leave the vent line open and functioning and cap and secure all other lines, pumps, manways, and ancillary equipment.

If the UST system is temporarily closed for more than 6 months and does not meet the performance standards for new UST systems, except spill and overflow, permanently close the UST system.

If the UST system is temporarily closed for more than 1 year and meets the performance standards for new UST systems, permanently close the UST system.

A site assessment is required for a request for an extension of time to permanently close a UST system.

Permanent Closure of a UST System

Permanent closure must be performed by a Maryland certified UST system technician or remover.

Unless abandonment in place is approved by MDE, permanently close a UST system by removal.

Notify MDE of a planned permanent closure or change-in-service of a UST system by submitting written notification at least 30 days before beginning the permanent closure or change-in-service and confirming the planned closure or change-in-service with MDE 48 hours in advance.



Underground Storage Tank System Compliance Guide

What You Need to Know

Empty and clean the UST and piping by removing all flammable, combustible, and other liquids and accumulated sludge from the UST system immediately before closing the UST system.

Disconnect and remove all emptied lines.

Remove all aboveground portions of vent lines and cap the remaining lines at their bases.

Remove all regulated substances, sludge, and soil contaminated with a regulated substance found during the UST system closure for treatment or disposal in compliance with applicable federal, state, and local laws.

During the planned permanent closure, perform an assessment of the excavation zone.

Within 45 days of permanent closure, prepare and submit to MDE a written UST system closure report signed by the certified UST system technician or remover that performed the permanent closure or change-in-service.

The UST system closure report must include:

- Records documenting the permanent closure or change-in-service of the UST system was conducted in accordance with COMAR;
- Record the site assessment was performed in accordance with COMAR;
- The size of the UST;
- The location of the UST system on the property;
- The date of the UST system closure or change-in-service;
- The method used for the UST system closure or change-in-service;
- A summary of the work performed;
- A summary of any field test and the laboratory analytical results;
- The name and certification number of the certified UST system technician or remover;
- The name of the contractors who performed the work;
- A receipt documenting proper disposal of the UST system if permanently closed by removal;
- A receipt documenting proper treatment or disposal of excavated oil-contaminated soils;
- All analytical data and laboratory reports; and
- Photographs of each UST system taken out-of-service and each excavation zone.

Permanent Closure of a UST System by Removal

Purge all explosive vapors from the UST prior to removal from the excavation zone.

Monitor the UST with an appropriate meter for vapors before and during removal of the UST from the excavation zone.



Underground Storage Tank System Compliance Guide

What You Need to Know

Once the UST system has been removed from the excavation zone, retest the UST for flammable vapors and, if necessary, purge all remaining explosive vapors and make holes or openings in the UST to render it unfit for further use.

If the operation poses a threat to public safety, do not crush or cut up the UST on-site.

Dispose of the UST system materials at a location acceptable to MDE.

Fill the former UST system excavation zone to grade with an appropriate fill material.

Permanent Closure of a UST System by Abandonment in Place

Requires MDE approval.

A request to abandon a UST system in place must be accompanied by a report signed by a professional engineer that confirms the permanent closure of the UST system by removal would have an adverse effect on a building foundation or other important structures or utilities within the immediate vicinity of the excavation zone.

Do not fill the UST through a fill or vent pipe.

Provide proper openings by excavation, or other means, on the UST to facilitate cleaning and filling the UST.

Completely fill the UST with a solid, inert, and flowable material so there are no voids in the UST.

Dispose of any removed UST system materials at a location acceptable to MDE.

Fill any excavated areas to grade with appropriate fill material.

Change in Service (Conversion to the Storage of a Non-regulated Substance)

Perform a site assessment to determine if there is evidence of a spill, release, or discharge where contamination would most likely be present before completing the change-in-service.

Empty and clean the UST and piping by removing all flammable, combustible, and other liquids and accumulated sludge from the UST system.



Underground Storage Tank System Compliance Guide

What You Need to Know

Applicability to Previously Closed UST Systems

When directed by MDE, assess the excavation zone of a UST system permanently closed before December 22, 1998, or a UST system with a field-constructed tank or an airport hydrant system that was permanently closed before June 13, 2022.

Permanently close the previously closed UST system if a spill, release, or discharge from the UST system may, in the judgment of MDE, pose a current or potential threat to human health and the environment.

Farm, Residential, and Residential Heating Oil UST Systems

Residential Heating Oil UST Systems

Do not deliver heating oil to a residential heating oil tank if the tank has a spill or release, visible or otherwise known.

Do not deliver heating oil to a residential heating oil tank unless the tank is equipped with a means to determine the heating oil level in the tank by a functioning vent whistle with proper vent sizing, a functioning visual or audible overfill alarm, or a person confirming there is sufficient ullage in the tank for the planned delivery volume.

Install a residential heating oil tank that meets the requirements of NFPA 31 *Standard for the Installation of Oil-Burning Equipment* 2020 Edition.

Ensure all underground piping or piping in contact with the ground surface is properly protected from corrosion.

Obtain all applicable wetland and waterways authorizations if the storage tank system will be installed in a special flood hazard area, tidal or nontidal wetland, nontidal wetland buffer, or 100-year floodplain of free-flowing waters.

On and after June 13, 2022, install an underground residential heating oil tank that is UL listed for underground use or a storage tank designed and constructed for underground use in accordance with a MDE approved industry standard, constructed of corrosion protected steel or fiberglass reinforced plastic, and properly protected from corrosion.

When permanently abandoning the use of heating oil as a fuel at a residential property or if removing a residential heating oil tank from a property, permanently close the heating oil tank within 30 days in accordance with PEI RP 1700-18 *Recommended Practices for the Closure of Underground Storage Tank and Shop-Fabricated Aboveground Storage Tank Systems* 2018 Edition and the closure requirements of a UST system. Refer to the UST System Closure and Change in Service requirements.



Underground Storage Tank System Compliance Guide

What You Need to Know

Farm, Residential, and Residential Heating Oil UST Systems

An underground farm or underground residential tank no longer in use is subject to the closure requirements of a UST system. Refer to the UST System Closure and Change in Service requirements.

The permanent closure or change in service of an underground farm tank, an underground residential tank, an underground residential heating oil tank, or the underground piping associated with a storage tank must be performed in the continuous on-site presence and direction of a certified UST system technician or remover.

Within 45 days, submit a written storage tank closure report for the permanent closure or change in service of an underground farm tank, an underground residential tank, and an underground residential heating oil tank that does not meet the definition of a UST if directed by MDE or a spill, release, or discharge that required notification to MDE occurred at the property. Refer to the UST System Closure and Change in Service requirements.

Record Retention

Maintain record of the last three inspections of the impressed current cathodic protection system performed to verify the system is functioning properly.

Maintain record of the most recent impressed current cathodic protection system assessment.

Maintain results of testing from the last two inspections of the cathodic protection system.

Maintain record of the site assessment conducted prior to implementing groundwater monitoring as the method of release detection for as long as groundwater monitoring is utilized.

Maintain the closure report and site assessment for a change in service or permanent closure for 5 years at the property or submit the records to MDE.

Maintain documentation regarding operator training and certification for the certified Class A, Class B, and Class C operators for as long as the operator is designated.

Maintain the following records for 5 years at a location designated by the owner:

- Liquid level measurements and inventory reconciliation records;
- Record of the certified inspections of motor fuel, bulk oil storage, used oil, or hazardous substance UST systems completed to verify compliance with UST system requirements; and
- Written record of the monthly inspections conducted by a Class A, Class B, or Class C Operator at an approved unattended motor fuel dispensing facility.



Underground Storage Tank System Compliance Guide

What You Need to Know

Maintain the following records for at least 1 year at the regulated substance storage facility and 5 years at a location designated by the UST system owner:

- Record of periodic operation and maintenance walkthrough inspections;
- Release detection records for UST systems, UST Systems with Field-Constructed Tanks, and Airport Hydrant Fuel Distribution Systems to include written performance claims pertaining to release detection systems, results of sampling, testing, or monitoring; results of annual operability tests; results of monthly precision tightness testing for release detection; and written documentation for all calibration, maintenance, and repair of release detection equipment; and
- High risk facility records include laboratory analytical report of water sample analyses, helium pressure test records, and precision tightness test records.

Maintain the following records at a location designated by the owner and operator for as long as the UST system is used to store a regulated substance:

- Record of the installation, operation, and testing of spill prevention equipment;
- Record of the installation, operation, and testing of overfill prevention equipment;
- Record of the installation, operation, and testing of containment sumps;
- Precision tightness test records;
- Records demonstrating UST system compatibility for systems storing greater than 10% ethanol or 20% biodiesel;
- Record of each repair conducted on a UST system;
- As-built diagram of the UST system if installed after January 1, 2006;
- Documentation supporting an alternative method of corrosion protection for the construction of a UST or piping;
- Records of the installation of a previously installed UST to include the written certification from the UST manufacturer that states the previously installed UST is suitable for service and the written approval from MDE to install the previously installed UST; and
- Record of upgrade made to an existing UST system.

Reporting Requirements

Report the following circumstances to MDE immediately, but not later than 2 hours after discovery:

- Evidence of a spill, release, or discharge of oil;
- Evidence of a spill, release, or discharge of a regulated substance from a UST system;
- A release detection method, monitoring results, or investigation of an alarm indicates that a spill, release, or discharge may have occurred;
- Investigation of an inventory variation reveals a leak;
- A storage tank system is determined to have a leak;
- Visual detection of free product;



Underground Storage Tank System Compliance Guide

What You Need to Know

- Presence of dissolved product in groundwater; absorbed product in soil; free product in soils, a basement, a sewer or utility line, or waters of the State; or vapors in soils, a basement, a sewer or utility line, or waters of the State;
- Precision tightness test failure;
- Two consecutive inconclusive precision tightness test results;
- Test failure of a spill catchment basin;
- Test failure of a containment sump;
- Test of a cathodic protection system resulting in a determination the system is inadequate; and
- Unusual operating conditions exist, such as the erratic behavior of product-dispensing equipment; the sudden loss of a regulated substance from a storage tank system; an unexplained presence of water in a storage tank; or liquid in the interstitial space of secondarily contained systems.

Report to MDE immediately, but not later than 48 hours, after the discovery of an analytical laboratory report that shows a detection of a petroleum constituent in a soil, groundwater, drinking water, or soil vapor sample at a concentration equal to or exceeding a cleanup standard or action level published by MDE for the petroleum constituent and media type.

Limitations

This fact sheet has been provided for informational purposes. This document is not intended, nor should it be interpreted, to be a regulation, as defined in Section 10-101, State Government Article. The MDE encourages you to read and understand the regulations that govern the operation of underground storage systems found in COMAR 26.10 "Oil Pollution Control and Storage Tank Management."