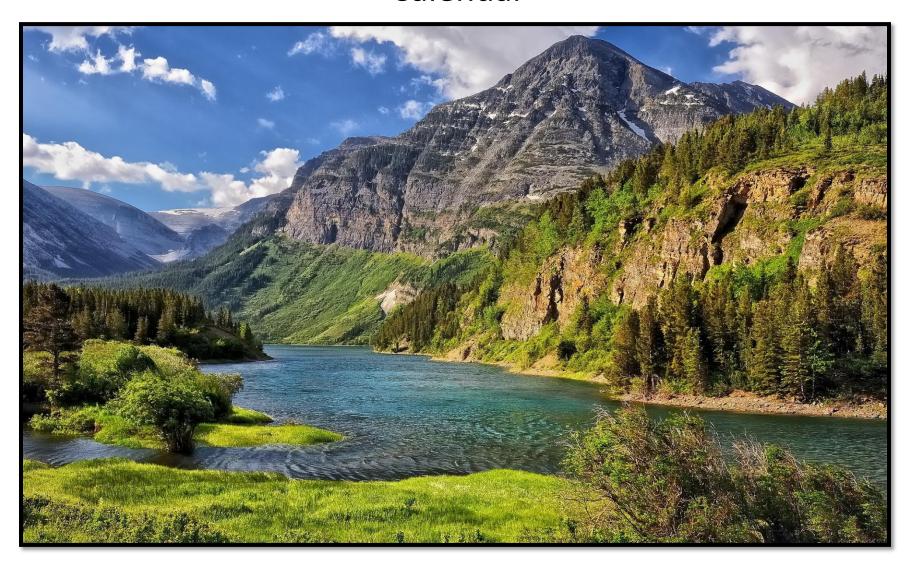
# Montana Underground Storage Tank Compliance Calendar



Facility ID



#### Milestones in the Underground Storage Tank Program's History

- 1983 CBS 60 Minutes segment "Check the Water" brought attention to families in Rhode Island suffering from the effects of gasoline leaking from underground storage tanks
- 1984 Congress created the Federal Underground Storage Tank Program
- 1985 EPA formed the Office of Underground Storage Tanks
- 1986 Congress established the Leaking Underground Storage Tank Trust Fund and Financial Responsibility requirements for UST owners
- 1988 EPA published Underground Storage Tank Regulations in the Federal Register
- 1988 EPA held first National UST conference
- 1990 Mississippi, first State UST Program to receive EPA's approval
- 1993 National Work Group On Leak Detection Evaluations Formed To Review Third Party Tests Of UST Leak Detection Evaluation Methods
- 1993 All Existing USTs Installed Before 1988 Must Use Leak Detection Methods
- 1994 Final Deadline For UST Owners To Obtain Financial Responsibility
- 1998 All Existing USTs Had To Be Upgraded To Prevent Releases Or Be Replaced
- 2005 UST Provisions of 2005 Energy Policy Act Focused on Preventing UST Releases
- 2005 Energy Policy Act Also Increased Biofuel Blending Into The Fuel Supply, Which Affected Underground Storage Tanks
- 2015 EPA's Revised UST Regulations Emphasizing Proper Operation and Maintenance of UST Equipment
- 2019 UST Industry Partners Develop Practices, Codes, And Standards That Help Detect And Prevent UST Releases

## October 2022

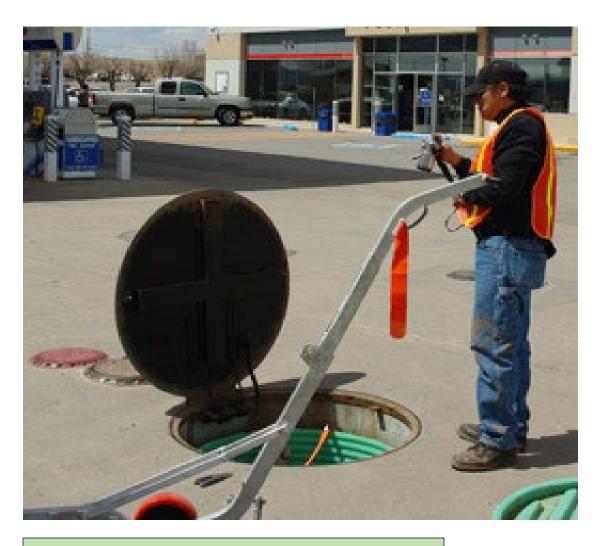
Sun 25	Mon 26	Tue	28	<b>Thu</b>	Fri 30	Sat 1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

## **Monthly Walkthrough Inspections**

These inspections are exactly what their name implies. Monthly walkthrough inspections are to be conducted every 30 days with the goal of getting owners/operators more familiar with their UST systems. They also increase the contact time operators have with their system which will help catch problems before they develop into something that could greatly harm the system. There are six aspects of your system that you will need to check monthly.

- Spill Prevention Equipment (visually check)
- Fill Pipe (visually check for obstructions)
- Fill Cap (check for tightness and damage)
- Interstitial Area Leaks (Only for double walled spill buckets)
- Release Detection Equipment
- Ensure Record Keeping is Correct

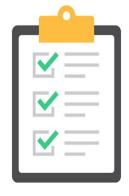
These walkthrough inspections will keep your system running smoothly while also keeping you more in tune with the system. These inspections can be completed by the facility Owner, Operator, Class A, B, or C operators, or a 3<sup>rd</sup> party contractor.



## **Walkthrough Inspection Continued**

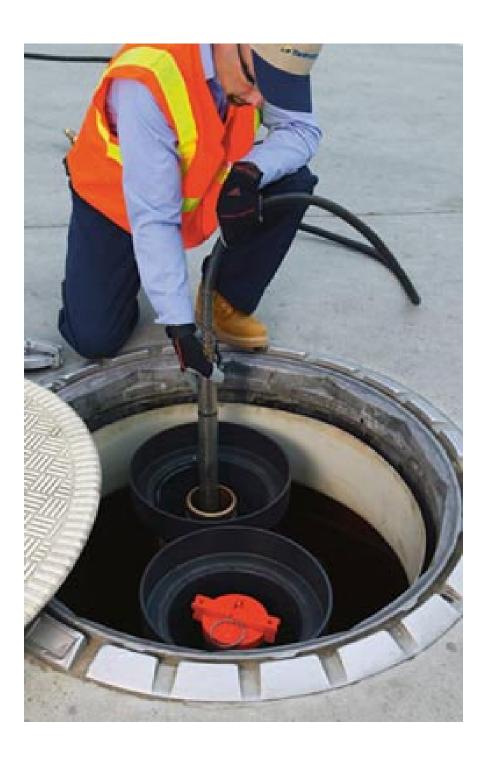
Your first walkthrough should have been completed by October 13<sup>th</sup> so you should be on your second walkthrough inspection this month.

You can find a monthly walkthrough inspection sheet at the end of this calendar that can be filled for one year.



# November 2022

<b>Sun</b> 30	Mon 31	Tue 1	Wed 2	Thu	Fri 4	Sat 5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10



## **Annual Testing and Inspection**

Your UST system must go through an annual inspection. This inspection must be conducted by a Montana UST licensee. Your primary release detection equipment must pass a functionality test annually to ensure that you are prepared for a possible release. During these inspections the following will be tested:

- Automatic Tank Gauges and Probes
- Electronic and Mechanical Line Leak Detectors
- Interstitial Tank and Piping Monitoring Sensors

These inspections will ensure that you follow regulation and protect your facility, yourself, others, and the environment from any possible dangers associated with your underground storage tank.

## 3-Year Testing and Inspection

Similar to the annual inspection there is also a triannual inspection that your UST system will have to undergo. This inspection must also be performed by Montana UST program licensee. During this inspection, the following must happen:

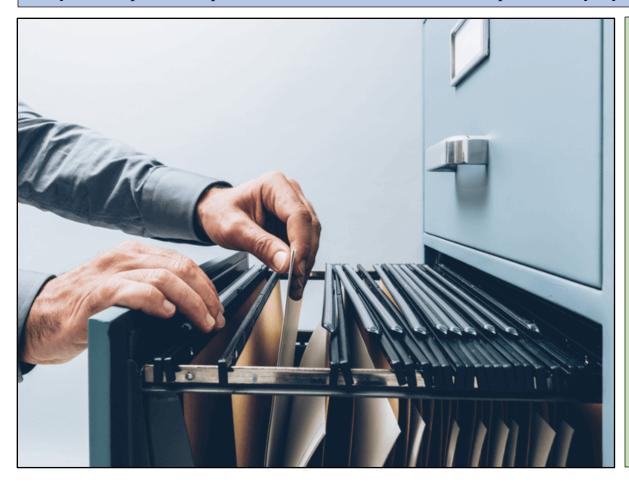
- Spill buckets must pass a tightness test, double walled spill buckets with interstitial monitoring records may be in lieu of the tightness test.
- Overfill devices must be inspected for functionality.
- Containment Sumps that use interstitial monitoring must be hydrostatically tested.

# December 2022

Sun 27	Mon 28	<b>Tue</b> 29	<b>Wed</b> 30	Thu	Fri 2	Sat 3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

## Recordkeeping

One of the most important duties that you have as an owner/operator is to keep good records of your system. These records show that someone at the facility is actively monitoring the system and ensuring that there are no problems. Records will need to be kept for multiple aspects of the system. You will need to keep records of passed leak detection test records, financial responsibility documents, operator training for facility operators, past repairs done to the system and so on. In other words, you will need to keep records of almost every aspect of your system for various amounts of time. During compliance inspections they could ask to see any one of those records, or even all of them, so it is important to keep them on site or at a designated accessible location. It is also important to keep these records as neat and organized as possible to help yourself and your compliance inspector when the documents will be inspected every 3 years.



## **Record Keeping Times**

In Montana you will need to keep different records for different lengths of time. It is important to keep each record for the recommended amount of time, and if possible, we recommend keeping them for longer to track the history of the facility. Some important records to keep are:

Walkthrough Inspection and Leak Detection Test: 12 previous continuous months of inspections/tests

Operator Certification: Indefinitely while operator is still working

While your ATG can print some historical records of the system at DEQ we want to see monthly printouts, so we know that you were actively checking in case of a leak.

# January 2023

Sun 25	Mon 26		<b>Wed</b>	<b>Thu</b> 29		Sat 31
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

### **Automatic Tank Gauge**

An ATG is a very important monitoring tool for your UST system. The ATG continuously monitors the fuel in your tank and can give you a lot of information about your tank including but not limited to: Current level (amount) of fuel in the tank, Leak Detection Testing Results (for your tank and possibly your pipes), Water level in the tank and many more. This information is extremely important because it lets you know the current conditions in your system. To get good readings from the ATG your tank should be greater than half full. You should also not run leak detection tests shortly after you have received a delivery.

It is important to know how to respond to the alarms that are programmed into the ATG. As the operator the alarms can mean anything from low battery of the unit to a leak occurring in the system. It is important to know the alarm meanings and to teach the class A, B, and C operators the meanings or who to contact in the event of an alarm.



## **Using your ATG**

If you have an ATG at your facility, then you are most likely using it as a form of leak detection. Montana DEQ requires you to keep record of leak detection test every 30 days. We recommend running these tests more frequently because the earlier leaks are discovered, the less damage they do to the environment and the quicker you can repair your system.

The ATG is a very important tool for a UST owner and will help you keep in tune with your system. It is important that you become familiar with the ATG and learn how to navigate its different settings to use your ATG most effectively.

# February 2023

	<b>Mon</b> 30	Tue 31	Wed	Thu 2	Fri 3	Sat 4
5	6		8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	1	2	3	4
5	6	7	8	9	10	11



## **Labeling Ports**

It is really important that the correct fuel gets delivered to the correct tank at your site. Labeling ports are lids that cover the spill bucket and the drop tube. Labeling ports all have a unique color or symbol representing the type of fuel that is in the tank below. The labeling ports are often painted beyond the lid so that in the event of multiple ports being removed at once that it is easy to tell which spill bucket each port should cover.

Beneath the port is the spill bucket as well as the drop tube which is how fuel enters your tank. Attached to the spill bucket will be the tank tag which is a unique identification specific to that tank which is also an identifier as to which fuel should be put into the tank below.

Fuel that is added to the wrong tank can make the fuel unusable, it can even cause damage to the tank if it is not suited for the fuel.

Labeling ports are a useful and necessary tool to keeping your system undamaged, and your deliveries timely. Labeling ports can also protect you from liability in the case a delivery into the incorrect tank. Labeling ports are an easy addition to your system that will protect you and your drivers, as well as save everyone time with deliveries and inspections.

	Mon 27	Tue 28	Wed	Thu 2	Fri 3	Sat 4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

#### Licensees

In Montana, annual and 3-year compliance inspections must be conducted by a Montana DEQ Licensee. A licensee in Montana must enroll in a set number of course hours and pass a test provided by DEQ before they become certified. Once they have completed the coursework as well as a passing grade on the exam, they can begin conducting inspections, removing/installing, or anything else their certification allows. In Montana you can get a license in tank removal, tank installation/removal, cathodic protection installer, and compliance inspections. If you perform a compliance inspection, an installation, a removal, a repair, or install cathodic protection you must use a Montana Licensee. The current list of licensees is updated regularly and on the Montana DEQ website. Montana DEQ has no control over the prices charged by these inspectors because they are considered 3<sup>rd</sup> party contractors. We encourage you as owners and operators to get in touch with multiple licensees in order to price the market and find the cheapest or best option for your situation. We do know that travel is one of the main contributors to the price of these inspections, so we encourage you to look for a licensee that works close to your facility to cut down on the price.



## Why Licensees?

In Montana we all enjoy the beautiful landscape and the "pristine" picture that goes along with our state.

Underground storage tanks have hurt this image and the environment in the past. At DEQ we want to preserve our environment and protect the health of the people who live here. For that reason, we believe that the licensees in this state should meet our standard. We train all the licensees so that they can effectively evaluate your systems while keeping you the owner/operator in mind as well as the environment and people who live here.

<b>Sun</b> 26	Mon 27	Tue	<b>Wed</b> 29	Thu 30	Fri	Sat 1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

#### **Cathodic Protection**

Metal tanks that come into contact with the ground and water will corrode over time. This corrosion will lead to holes in the tank and releases to the environment. Corrosion (cathodic) protection is the solution to the constant corrosion that your tanks may undergo. Your system may employ impressed current or galvanic cathodic protection. The corrosion protection system will need to be monitored to ensure that it is applying appropriate protection. Tanks with the inappropriate protection are still vulnerable to corrosion.

Your cathodic protection system will need to be tested every 3 years by a qualified corrosion tester.





#### **How Cathodic Protection Works**

It is difficult to stop corrosion absolutely, therefore the goals of UST cathodic protection is to divert the corrosion. Cathodic protection connects the tanks and/or pipes that are made of steel to a sacrificial metal that will corrode instead of the tank. The cathodic protection provides a highly active metal that provides electrons to the less active tank, therefore the active metal will experience the corrosion while the tank does not.

This method is simple, yet effective in combating the corrosion that would otherwise plague your tank and system.

	Mon 24	Tue		<b>Thu</b> 27	Fri 28	
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

#### **Overfill Prevention**

- Flapper Valve: You may have a flapper valve on your UST System. The flapper valve will automatically stop the flow of fuel into the tank when the fuel raises to a certain level in the tank (typically 90 or 95%). This is the only overfill prevention technique that is considered automatic shut off.
- High Level Alarm: Your system may have a high-level alarm. A high-level alarm will alert the delivery driver when the fuel fills the tank to 95% full. These alarms do not stop the flow of fuel, rather they alert the delivery driver that the tank is almost full.
- Ball Float Vent Valve: Ball Float vent valves generate pressure in the tank which stops the flow of fuel once the tank reaches a certain height. Ball Float vent valves are currently being phased out in Montana so if your facility has a Ball Float valve then when it needs repair you must replace it with a flapper valve or a high-level alarm.







## **Overfill Protection Importance**

One of the most common times that a release to the environment occurs is when fuel is being transferred from the deliver truck to the tank. Overfill protection is vital to limiting the risk of spills in this stage. The most effective form of protection is a flapper valve as it completely stops the fuel flow which limits human error. The other two techniques require the driver to pay attention, which is their job, but doesn't always happen. Make sure your overfill protection is in good working condition to save yourself the headache of an overfill during a delivery.

	Mon 29	Tue 30	Wed 31	Thu 1	Fri 2	Sat 3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8



#### Water and Ethanol

Water is especially concerning in tanks that contain an ethanol gasoline blend. Ethanol is a natural fuel born from typically corn. Because of this ethanol can absorb more water than gasoline. When water is introduced to an ethanol gasoline mixture it can start to separate the ethanol from the gasoline.

#### Water in Your Tank

When it comes to maintaining quality fuel and keeping your tanks in good shape, water is your enemy. Water that is in your fuel can corrode your underground tanks, it will also damage the engines of the vehicles or generators that use the fuel that contains water.

Since water can harm your system as well as your customers, it is important to understand how water enters your system and how you can avoid this.

The main points of water entry into the system are fittings or equipment at the top of the tank. Spill buckets are meant to catch fuel during deliveries and then they can drop that fuel into the tank. If the spill bucket has water in it that water will enter the tank with the fuel. This is one reason why we recommend taking special care when cleaning and monitoring your spill buckets. Water can also enter the tank through corroded ATG probe caps or fill pipe caps that do not fit correctly.

Water is a problem for you and your customers, it is important to make sure that your system is secured and there is no corrosion that would give water the opportunity to enter your system.

Sun 25	Mon	Tue 27	<b>Wed</b> 28	Thu	<b>Fri</b> 30	Sat 1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

### **Inventory Control**

Keeping a good inventory can benefit your business as well as the environment. Keeping good inventory can help you find fuel losses or leaks, and it will help you find them quickly where an SIR could take weeks to inform you that there is a leak. There have been cases where owners could see through inventory control that there was a leak in the system that was small, so it wasn't caught by leak detection. They were then able to find and fix the leak while it was small and easy to fix, it had also leaked very little so there was no harm to the environment which there could have been if they didn't find it until it was larger.

## **Inventory Control is Important**

Inventory control can help your facility streamline deliveries. If you have a flapper valve and order an amount of fuel that will fill your tank to a level greater than 95% then the fuel will be automatically shut off from entering the tank. Then the driver will be required to wait with the delivery truck attached to the tank until enough fuel is used to lower the fuel level to let the remaining fuel in. Drivers have busy schedules as is so they will not be happy if they have to wait because this can take a long time. If you are keeping a good inventory control of your system then you can order the exact correct amount of fuel so the driver can deliver quickly and be on their way.

It is important to use gross gallons for inventory control, net gallons is temperature-corrected to 60 degrees Fahrenheit so your net gallons can differ greatly. As we know in Montana it is hard to predict the temperature or have it stay constant so this is important here.



<b>Sun</b> 30	Mon 31	Tue	Wed	Thu	Fri 4	Sat 5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

### **Spill Basins**

Spill basins are an important safety feature that can control a leak, so no fuel is released to the environment. If there are leaks outside of the spill bucket, then the system needs something that can contain these leaks. The spill bucket is a device that functions similar to a spill bucket, it is located typically along the piping at a low point so that any leaks that occur in the pipe will drain into the spill basin where it can be cleaned without contaminating the environment.



## **Spill Basin Tips**

It is important to ensure spill buckets, sumps, and under dispenser containment are cleaned before hydrostatic testing. If not cleaned the water may become contaminated and have to be treated as a hazardous waste.

Visually checking your sumps and spill basins is important in catching leaks early. Any fuel that appears in the containment basins should be investigated, if it is a suspected leak then it needs to be reported to DEQ within 24 hours.

Similar to every part of your system, it is important to check your spill basins regularly. Checking these basins can help prevent releases, and the most likely part of your system to leak is your piping. As long as you know your system and observe it often you can save yourself a lot of money by catching leaks early as well as keeping the environment clean.

# September 2023

	Mon	Tue	Wed	Thu	Fri 1	Sat 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7

## **Spill or Release**

Even when you do everything right there is the possibility of a spill or release occurring at your site. Your operators must know what to do if a release occurs at your facility.

In the event of a spill turn off pumps, if there is a fire call 911. Keep people away from the area and call the class A/B operator.

Fuel spills and release must be reported to DEQ within 24 hours of discovery. It is difficult to estimate the volume of fuel released, so it is best to report all releases and suspect releases to DEQ within the 24-hour required time frame.

Report Spills to the Petroleum Tank Cleanup Leak Line: (800) 457-0568

After Hours Leak Line: (406) 324-4777



## **Suspected Release**

If there is evidence that there may have been a release or a release currently effecting your system, it is up to you to investigate it. You may need to perform a tightness test on the portion of the system that you suspect of leaking. The results may require you to conduct more tests or show there is no leak. If you determine that there has been a release, then you will need to contact DEQ. You will also need to start abatement measures to try to mitigate the leak while also finding where the leak originated. You will need to stop the leak to stop any further damage.

## October 2023

Sun24	Mon	Tue 26	27	Thu		<b>Sat</b> 30
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4



#### Certification

In Montana the class A and B operators must pass a series of test in order to be certified. These tests will cover all aspects of the system that each operator must be familiar with to operate the effectively.

DEQ offers a program called tankhelper II which is a series of videos that explain how your system works and what you need to know as an operator. It then gives quick tests at the end of each section, if you pass all the tests, you will receive your operator certification that you will need to have at your facility. You can find this site and the tests at the link listed below.

https://www.montanamoodle.org/login/index.php

## **Operator Training**

In Montana it is important to know what kind of operator you are at your facility. In Montana there are three different distinct operators that can be present at any time at a facility.

- Class A: This is the owner of the facility. They
  need to know spill protection, correct filling
  practices, overfill protection, corrosion protection,
  release detection (tank and pipes),
  suspected/confirmed release, repairs,
  compatibility, class B and C operators, closed
  UST's, financial responsibility, notification of
  new and changes to UST's, and inspections and
  permits.
- Class B: This is the operator of the facility. They need to know everything class A knows except financial responsibility. They also need to have a more thorough understanding of release detection.
- Class C: Class C operators are you common workers of the facility like an attendant at a gas station. These operators can be trained by the facilities class A or B operator. These operators are in charge of the day-to-day operation, recognizing alarms, and knowing the emergency response at the facility.

# November 2023

	Mon 30	Tue 31	Wed	Thu	Fri	Sat 4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9



## **UST System Compatibility**

Your system had been designed with a particular fuel or group of fuels in mind. When you are considering changing fuels in your tanks then it is important to ensure that the tanks and piping systems are compatible with the new fuel you are using.

If you are switching from gasoline to an ethanol gasoline blend, then some problems could arise. Ethanol is more corrosive than gasoline so you will need to make sure that your system is capable of handling the increased corrosive potential.

Every aspect of your system must be compatible or there will be a high risk of corrosion. It is important that the pipes are compatible because the majority of leaks that occur in the system are due to problems in the piping. While UST systems are associated with Tanks the piping is just as important.

If you plan on switching to a fuel that is 10% or more ethanol or 20% or more biodiesel then you will need to notify DEQ at least 30 days before you switch. It is also important that you be prepared to demonstrate the compatibility of your tanks, piping, spill basins, and containment sumps so that you can speed along your process of approval.

# December 2023

	Mon	Tue 28	<b>Wed</b> 29	Thu	Fri 1	Sat 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6



### **Underground Storage Tank Monthly and Annual Walkthrough Inspection Form**

Instructions: No later than October 13, 2021, owners and/or operators of underground storage tank (UST) systems must complete this form on a monthly and an annual basis. This form must be retained for at least one year and readily available for inspection.

• Spill prevention equipment at UST systems receiving deliveries at an interval greater than 30 days may be checked prior to each delivery. Fuel delivery records must be maintained to demonstrate infrequent deliveries.

Facility Name:			Facility ID #:										
Contact Name (Print):			Contact Phone:										
Year:													
				1			1					ı	
Monthly Walkthrough Inspections: Every 30 days, place a check in the corresponding box to affirm the task was completed that month for all tanks. Then, initial at the bottom of that month's column.	N/A	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Visually checked spill prevention equipment for damage and remove liquid or debris.													
Checked for and removed obstructions in the fill pipe.													
Checked the fill cap to make sure it fits securely on the fill pipe.													
For double-walled spill prevention equipment with interstitial monitoring, checked for leaks in the interstitial area.													
Checked release detection equipment to make sure the release detection equipment is operating with no alarms or other unusual operating conditions present.													
Ensured records of release detection testing are reviewed and current.													
Initials of Person conducting inspection:													
Date:													
Annual Walkthrough Inspections: Once per year, initial and date when each task below was completed. Visually checked containment sumps for damage, leaks to the containment area, or releases to the environment.					d.	N/A	Initi	als	Date				
Removed liquid and debris from containment sumps.													
For double-walled sumps with interstitial monitoring, checked for a leak in the interstitial area.													
Checked hand-held release detection equipment such as tank gauge sticks or groundwater bailers for operability and serviceability.													
Checked that all annual (and triennial) tests have been performed within the last year (or three years) and are current, passing, and readily available for inspection.					d								
In the following table, explain actions taken to fix issues. Use additional cheets, if necessary. <b>The presence of fuel in a secondary</b>					orv								

containment sump must be reported to the department as a suspect release within 24 hours of discovery.

Last Revised: April 2022

Action Taken

Date



#### UNDERGROUND STORAGE TANK COMPLIANCE INSPECTION CHECKLIST

#### **Periodic Inspection and Compliance Record Keeping**

This checklist is designed for the owner or operator of a facility with underground petroleum storage tanks regulated by the Montana Department of Environmental Quality to prepare for their every three-year third-party compliance inspection. Depending on what equipment you have, there may be different kinds of release detection and testing records that you must keep. This checklist is based on standard equipment and testing procedures. Not all of the following items pertain to your facility. Keep this checklist current (check  $\sqrt{}$  each item when appropriate) to ensure that your facility is ready for your third-party compliance inspection.

 Review your financial responsibility (FR) paperwork to make sure it is available and current. For more information on financial responsibility, please visit <u>UST Financial Responsibility</u> .
 Your facility is required to have at least one Class A, Class B and Class C operator. Make sure that you have at least one Class A, Class B, and Class C operators at your facility. Also check to see if anyone has left who is Class A or B certified. You can look up the current operators by looking up your facility in the Facility Summary Sheets for your county. This is located at <u>Facility Summary Sheets</u> .
 You are required to perform a facility walkthrough inspection monthly. Check to make sure that you have at least <b>12 months</b> of inspections available at all times. This is a checklist of things that you need to check each month to ensure your facility is operating the way it should be. You may also download the form at <a href="MT DEQ">MT DEQ</a> WalkthroughInspectionForm.pdf.
 Your automatic tank gauge (ATG) must conduct a 0.2 gallons per hour (gph) or 0.1 gph tank leak test on each tank at least once <b>every 30 days</b> . The last <b>12 months</b> of these test results must be kept. Make sure that you have these records and that they are passing. Your ATG must also be checked annually for functionality. Make sure you have a copy of the annual test form like the one <u>located here</u> .
 Interstitial monitoring for your tanks and piping must be recorded <b>every 30 days</b> . This is typically a LIQUID STATUS or SENSOR STATUS. The monthly records and the annual test must be kept for at least <b>12 months</b> . You must test all of these sensors annually for operability. The annual sensor test form is <u>located here</u> .
 If you are using interstitial monitoring (IM) as your primary method of piping leak detection, your containment sumps must be tested for liquid tightness at least once <b>every 3 years</b> . Make sure you have a copy of the latest test and it is current. The test form for hydrostatic testing is this sump test form.
 If you have single wall pressurized piping with mechanical leak detectors, it is required to be line tightness tested <b>every 12 months</b> . Make sure your last line tightness test is current. Each testing technician will be able to provide you with a copy of the test results. Retain this record for at least <b>12 months</b> .
 Your automatic line leak detectors (both Electronic and Mechanical line leak detectors) are required to be tested <b>every 12 months</b> to check to ensure that the line leak detector will detect a leak of 3 gph at 10 psi. Make sure your last leak detector functionality test is current. Retain this record for at least <b>12 months</b> . The test form for functionality testing is this test form.
 Your electronic line leak detectors (ELLDs) must conduct a line tightness test at 0.2 gph or less at least once <b>every 30</b> days <u>OR</u> conduct a line tightness test at a leak rate of 0.1 gph or less <b>at least once per year</b> . Make sure that you have these records and that they are passing. Retain this record for at least <b>12 months</b> .

#### UNDERGROUND STORAGE TANK COMPLIANCE SUMMARY

#### Periodic Testing Requirements and Compliance Record Keeping

 If your facility has suction piping, your <i>U.S. suction</i> piping may require a line tightness test <b>every 3 years</b> . Make sure your last line tightness test is current and passing. Each testing technician will be able to provide you with a copy of the test results. Keep these results for at least <b>3 years</b> .
 If your records indicate that you use Statistical Inventory Reconciliation (SIR) as your monthly leak detection method, you must have the last <b>12 months</b> of records available. Your meter totalizers (in your dispensers or at your POS system) must be recorded each operational day. You must measure inventory, delivery amounts, and dispensing data every operational day and before and after deliveries. These results must be recorded for 30 days or in accordance with your SIR vendor's requirements. The last <b>12 months</b> of monthly records must be kept available for inspection.
Check your metal tanks and/or piping to see if they have impressed current cathodic protection. For these systems [i.e. systems that were installed on an existing tank system and uses a rectifier (DC power source)], a log must be maintained at least <b>every 60 days</b> . The log should show that the voltage or amperage gauge on the rectifier has been checked to see that the power is on and it is operating. The following information should be included in the log: voltage and/or amperage reading, the number of hours recorded from an hour meter (if equipped), status of a red or green indicator light, a name or initials, and the date. A cathodic protection test must be performed <b>every 3 years</b> . Make sure you have a current passing test within the last 3 years. The form for the corrosion protection test is this corrosion test form.
 Check your metal tanks and/or piping to see if they have galvanic (with anodes) corrosion protection. This is a coated steel tank (or piping) with sacrificial anodes attached to it. These anodes corrode instead of the tank itself. A cathodic protection test must be performed <b>every 3 years</b> . Make sure you have a current passing test within the last 3 years. The form for the corrosion protection test is <u>this corrosion test form</u> .
 Your facility has spill buckets for spill containment at the tank fill. You are required to have your spill buckets tested <b>every 3 years</b> to verify that they are liquid tight. Make sure you have a current passing test within the last 3 years. The form for the corrosion protection test is this spill bucket test form. Retain this record for at least three years. This does not apply to aboveground tanks with underground piping.
 Check your paperwork to see if your facility has drop tube shut off (DTSO) valves at the tank fills for overfill protection. These valves limit the amount that the tanks can be filled to 95% or less. You are required to have this tested <b>every 3 years</b> to verify that all are functional. Make sure you have a current passing test within the last 3 years. The form for the overfill protection test is this overfill test form. Retain this record for at least three years.
 Check your facility to see if it has a high-level alarm for overfill protection. This alerts your delivery driver to stop filling the tank. The maximum amount the tanks can be filled is 90% or less. You are required to have this tested <b>every 3 years</b> to verify that this is functional. Make sure you have a current passing test within the last 3 years. The form for the high level alarm test is this overfill test form. Retain this record for at least three years.
 Check your facility to see if it has ball float vent restrictors for overfill protection on your two gas tanks. These close off the tank vents during delivery. This alerts your delivery driver to stop filling the tank. The maximum amount the tanks can be filled is 90% or less. You are required to have these tested <b>every 3 years</b> to verify that this is functional. many of these vent restrictors cannot be accessed and tested and must be replaced by drop tube shut off (DTSO) valves or high-level alarms. The form for the overfill protection test is this overfill test form. If they can be tested, retain this record for at least three years.

Much of the information for your facility is available online on our Facility Summary Sheets. This information is sorted by county and is available on the <u>Facility Summary Sheet</u> web page.

We recommend that you use a three-ring binder with tabbed dividers to keep all of your records organized. Keep phone numbers for your delivery company, your inspector, your technician, and the UST Leak Reporting Line (1-800-457-0568) handy.

For additional information, contact any of us at the MT DEQ UST program at (406) 444-5300, by email at dequstprogram@mt.gov or visit our website at https://deq.mt.gov/twr/Programs/ust