
Highlights of 2018 UST Rule Revision

When does the Underground Storage Tank (UST) rule WAC 173-360A take effect?

- The new UST rule took effect **10/1/2018**, but some requirements are phased in for existing tanks. If new tanks or piping are installed on/after 10/1/2018, all sections of the rule immediately apply.
- Walkthrough Inspection requirements begin **10/1/2019** for existing UST systems.
- Tests of Leak Detection, Spill Buckets, Overfill Prevention, and Sumps testing requirements for existing UST systems begin:
 - **10/1/2020** if compliance tag number is **even**
 - **10/1/2021** if compliance tag number is **odd**

Applicability/Exemptions Sect. -0110 Tanks used solely for heating structures on the property are exempt from the UST rule. Tanks used for emergency power generation that store heating oil are regulated.

Recordkeeping Sect. -0240

- Keep 2 years: annual line tightness tests
- Keep 3 years:
 - Walkthrough Inspections
 - Rectifier Inspections
 - Tank/Line leak tests (e.g. monthly records of 0.2gph pass, sensor normal, SIR, ALLD tests)
- Keep 6 years:
 - CP tests
 - Spill Bucket, Overfill Equipment, and Sump tests
 - Non-Safe Suction line tightness tests

Transfer of Records Sect. -0240 Former owners are required to transfer all records listed in sub-section -0240(1) to the new owner.

Installations Sect. -0300

- New tanks and new/replacement **piping** installation needs submittal of [30 Day Notice](#) prior to install.
- If install date changes, notify UST inspector **3 business days** prior to project start date.
- Must submit the tank manufacturer's "Install Checklist" with the [UST Addendum](#) to receive the Tag.

Compatibility Sect. -0350 If an UST stores >10% ethanol, >20% biodiesel, or a hazardous substance, records must demonstrate all UST components are compatible with the product through certification by an independent testing laboratory, manufacturer approval, or another method no less protective. Keep records for life of UST system.

Changes in Product Sect. -0410

- Notify Ecology **within 30 days** using [Retrofit/Repair Checklist](#) when switching products (e.g. midgrade gas to diesel).
- Notify Ecology **30 days prior** using the [Alternative Fuel Installation or Conversion Checklist](#) when switching product to >10% ethanol, >20% biodiesel, or a hazardous substance.

Walkthrough Inspections Sect. -0420 Document **monthly** spill bucket/tank monitor check and **annual** sump area check using:

- An Ecology [Walkthrough Inspection Checklist](#), or
- PEI RP 900's inspection checklist for conducting the daily, weekly, monthly, and annual inspections, or
- An equivalent checklist meeting all walkthrough requirements of section -0420.

Note: Tanks receiving deliveries less frequent than monthly (e.g. EPGs), only need a spill bucket check when deliveries occur.

O&M New CP Requirement Sect. -0430 If the volts/amps are out of range or the rectifier is not functioning properly you must contact your CP service provider **within 24 hours**. Must investigate/repair the CP system.

O&M Sump 3 Year Test Sect. -0450

- Required on sumps **only if using “interstitial monitoring”** for piping release detection (*unless* using a **double-walled sump** and the integrity of both sump walls is checked for leaks and documented annually).
- All piping installed on/after **October 1, 2012** must use interstitial monitoring and O&M (e.g. sump testing).
- Follow a code of practice (e.g. RP 1200), manufacturer’s instructions, or state guidance for test instructions.
- Sump test methods may include high level hydrostatic test, low level hydrostatic test, vacuum, or tracer.

O&M Spill Bucket 3 Year Test Sect. -0460 Follow manufacturer’s instructions or a code of practice (e.g. PEI RP 1200) for the 3 year test (*unless* using a **double-walled spill bucket** and the integrity of both walls is checked for leaks and documented monthly).

O&M Overfill Prevention 3 year test Sect. -0470 Follow manufacturer’s instructions or a code of practice (e.g. PEI RP 1200).

- **Automatic Shut-off:** Remove device and verify functionality.
- **Exterior Alarm:** Remove/inspect probe; ensure product float activates at 90%; and product stored is correctly labeled at monitor.
- **Ball Float:** Remove entire device and inspect. If damaged, the ball float device must be replaced with an exterior alarm or automatic shutoff. If the ball float stem set at 90% cannot be removed, then an auto shutoff device set at 95% **cannot** be used. Tanks installed on/after October 1, 2018 cannot use ball float devices to meet the overfill requirements.

Release Detection Equipment Annual Test Sect. -0480 Test includes ATG, alarms, battery backups, probes, sensors, cables, ALLDs, vacuum, etc. Follow manufacturer’s instructions or a code of practice (e.g. PEI RP 1200).

Repairs Sect. -0490

- Repaired tanks and internally lined tanks must be tightness tested within 30 days after work completed.
- Repaired sumps, secondary containment of tanks/piping, spill buckets, overfill equipment, and release detection equipment must be tested within 30 days of repair (e.g. interstitial test, sump test).

Site Assessments Sect. -0730

- The Site Assessor must be on-site when the **tanks/piping** are removed and when sampling is performed.
- The Site Assessor must notify Ecology within 24 hours of confirming a release.
- A new site assessment table outlines minimum sampling requirements, depending if the tank, piping, or dispenser is left in place or removed during sampling.
- Ecology **may** request submittal of a sampling and analysis plan 30 days prior to sampling.

Certifications Needed for New Requirements Sect. -0900

- No certification needed for Walkthrough Inspections
- WA licensed hydrogeologists may conduct UST Site Assessments (ICC WA State Site Assessors and WA licensed professional engineers still applicable).
- CP installs and repairs, including rectifier adjustments, must be designed and under the direction of a CP Expert.
- Table 0920-1 outlines the types of certification required to perform UST system services.

Financial Responsibility and Temporary Closure Sect. -1000

- All temporarily closed tanks must now have financial responsibility (e.g. tank insurance).
- Suspension of financial responsibility (e.g. tank insurance) is allowed during temporary closure, if the tank is emptied and a site assessment is conducted.

Note: State and federally owned tanks are exempt from the Financial Responsibility requirements.