

WAC 173-360A-0490 Repairs of UST system components. Owners and operators must ensure that UST system components that do not meet applicable performance standards or upgrade requirements or that are not operating properly are repaired or replaced. Owners and operators must ensure that repairs are performed in accordance with the requirements of this section and will prevent releases due to structural failure or corrosion as long as the UST system is used to store regulated substances.

(1) **Performance of repairs.** Repairs must be performed:

(a) By or under the direct supervision of a service provider certified in accordance with Part 9 of this chapter; and

(b) In accordance with the manufacturer's instructions or a code of practice. The following codes of practice may be used to meet this requirement:

(i) National Fire Protection Association, Standard 30, "Flammable and Combustible Liquids Code";

(ii) American Petroleum Institute, Recommended Practice 2200, "Repairing Crude Oil, Liquefied Petroleum Gas, and Product Pipelines";

(iii) American Petroleum Institute, Recommended Practice 1631, "Interior Lining and Periodic Inspection of Underground Storage Tanks";

(iv) National Fire Protection Association, Standard 326, "Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair";

(v) National Leak Prevention Association, Standard 631, Chapter A, "Entry, Cleaning, Interior Inspection, Repair, and Lining of Underground Storage Tanks";

(vi) Steel Tank Institute, Recommended Practice R972, "Recommended Practice for the Addition of Supplemental Anodes to STI-P3R Tanks";

(vii) National Association of Corrosion Engineers International, Standard Practice 0285, "External Control of Underground Storage Tank Systems by Cathodic Protection"; or

(viii) Fiberglass Tank and Pipe Institute, Recommended Practice T-95-02, "Remanufacturing of Fiberglass Reinforced Plastic (FRP) Underground Storage Tanks."

(2) **Standards for repairs.** Repaired UST system components must meet the applicable performance standards or upgrade requirements in Part 3 of this chapter.

(3) **Replacement of metal piping and fittings.** Metal piping and fittings that have released regulated substances due to corrosion or other damage must be replaced.

(4) **Tests and inspections after repairs.** Repaired UST system components must be tested or inspected after the repair as specified in this subsection.

(a) **Tanks and piping.** Repaired tanks and piping must be tightness tested as specified in WAC 173-360A-0635 and 173-360A-0650 within thirty days of the repair unless another test method is used that is determined by the department to be no less protective of human health and the environment. Except as provided under (b) of this subsection, cathodic protection systems of repaired tanks or piping must be tested as specified in WAC 173-360A-0430(2) within six months of the repair;

(b) **Cathodic protection systems.** Repaired cathodic protection systems must be tested as specified in WAC 173-360A-0430(2) at the time of the repair and between one and six months after the repair.

(c) **Secondary containment areas of tanks and piping.** Repaired secondary containment areas of tanks and piping used for interstitial

monitoring must be tightness tested as follows within thirty days of the repair.

(i) **Performance.** Tightness tests of secondary containment areas of tanks and piping must be performed:

(A) By or under the direct supervision of a service provider certified in accordance with Part 9 of this chapter; and

(B) In accordance with the manufacturer's instructions or a code of practice. The following codes of practice may be used to meet this requirement:

(I) Steel Tank Institute Recommended Practice R012, "Recommended Practice for Interstitial Tightness Testing of Existing Underground Double Wall Steel Tanks";

(II) Fiberglass Tank and Pipe Institute Protocol, "Field Test Protocol for Testing the Annular Space of Installed Underground Fiberglass Double and Triple-Wall Tanks with Dry Annular Space"; or

(III) Petroleum Equipment Institute, Recommended Practice 1200, "Recommended Practices for the Testing and Verification of Spill, Overfill, Leak Detection and Secondary Containment Equipment at UST Facilities.

(ii) **Reporting.** Tightness tests of secondary containment areas of tanks and piping must be reported to the department within thirty days using the applicable checklist provided by the department. The checklist must be completed by the service provider.

(iii) **Recordkeeping.** Records of tightness tests of secondary containment areas of tanks and piping must be maintained for at least three years.

(d) **Containment sumps used for interstitial monitoring.** Repaired containment sumps used for interstitial monitoring of piping must be tightness tested as specified in WAC 173-360A-0450 within thirty days of the repair.

(e) **Spill prevention equipment.** Repaired spill prevention equipment must be tightness tested as specified in WAC 173-360A-0460 within thirty days of the repair.

(f) **Overfill prevention equipment.** Repaired overfill prevention equipment must be inspected as specified in WAC 173-360A-0470 within thirty days of the repair.

(g) **Release detection equipment.** Repaired electronic or mechanical release detection equipment must be tested as specified in WAC 173-360A-0480 within thirty days of the repair.

(5) **Reporting repairs.** Repairs must be reported to the department within thirty days using the applicable checklist provided by the department. The checklist must be completed by the service provider.

(6) **Recordkeeping.** Records of repairs must be maintained until the UST system is permanently closed or undergoes a change-in-service. Records of tests and inspections of repaired UST system components must be maintained in accordance with the applicable requirements of this chapter.

[Statutory Authority: Chapter 90.76 RCW. WSR 18-15-083 (Order 16-02), § 173-360A-0490, filed 7/18/18, effective 10/1/18.]