**Section 175.400 Design and Construction of USTs**

a) Tanks. Any newly installed or replaced underground tank shall be of double-wall construction and equipped with interstitial monitoring that meets the applicable requirements of Section 175.630(f) and 40 CFR 280.43(g) for all permits issued on February 1, 2008 and after. Third-party listed, factory manufactured, jacketed tanks having an interstitial space with interstitial monitoring shall be considered as meeting the double-wall requirement.

b) Each newly installed, replaced and existing tank shall be properly designed, constructed and installed in accordance with a code of practice developed by a nationally recognized association or independent testing laboratory and third-party listed for its intended use. Any portion underground that routinely contains product shall be protected from corrosion. In addition, each tank shall meet one of the following requirements:

1) The tank is constructed of fiberglass-reinforced plastic.

2) The tank is constructed of steel and protected in the following manner:

A) Metallic tanks installed on or after April 21, 1989 shall be thoroughly coated on the outside with suitable rust-resisting dielectric material; and

B) All steel tanks shall utilize a cathodic protection system designed by a corrosion expert certified by NACE in cathodic protection design or by an Illinois Licensed Professional Engineer who has certification or licensing that includes education and experience in corrosion control of buried or submerged metal piping systems and metal tanks. If an impressed current system is selected, it must also be designed to allow determination of the system's operating status by means of permanently installed lights and gauges as required in Section 175.510.

3) The tank is constructed of steel and clad or jacketed with a noncorrodible material.

4) The tank construction and corrosion protection are determined by OSFM to be designed to prevent release or threatened release of any stored regulated substance in a manner that is no less protective of human health and the environment than this subsection (b). Before the installation of any tank, its construction and corrosion protection shall be submitted to OSFM, in writing, and is subject to written approval by OSFM.

c) Re-certified tanks shall satisfy the requirements of subsection (b), and, on or after February 1, 2008, shall be double-walled with interstitial monitoring; however, written proof of re-certification shall be submitted to OSFM. Re-certified tanks must be reinstalled within 6 months after removal or re-certification, whichever is sooner. Re-certified tanks must have a warranty remaining for at least 5 years. Re-certifications must be conducted by a Licensed Professional Engineer having expertise in UST design or the original tank manufacturer.

d) Any UST that fails to meet the criteria and requirements of Subparts D, E and F shall be removed within 60 days after receipt of a Notice of Violation requiring its removal. Field-constructed tanks and airport hydrant systems shall comply with Subpart I.

(Source: Amended at 42 Ill. Reg. 10476, effective October 13, 2018)