

**7151.6600 CORROSION PROTECTION.**

Subpart 1. **General.** Owners and operators shall apply corrosion protection to all steel tanks and tank systems except as otherwise provided in subpart 5.

Subp. 2. **Tanks.** The floor of an existing steel aboveground storage tank must be protected from external corrosion using one or more of the following methods:

A. the tank is elevated so that the underside of the tank's floor is not in contact with any surface other than the supports;

B. the tank rests on a continuous concrete slab that is designed to prevent water from accumulating under the tank floor;

C. the tank is double walled;

D. the tank is double-bottomed with:

(1) a vacuum pulled on the interstitial space; or

(2) a cathodic protection system installed in the interstitial space;

E. the tank floor is:

(1) cathodically protected; and

(2) internally lined in accordance with American Petroleum Institute Standard 652;

F. the tank floor is:

(1) cathodically protected; and

(2) internally inspected in accordance with American Petroleum Institute Standard 653 prior to November 1, 2003, and thereafter as indicated by the results of the inspection; or

G. the tank floor is:

(1) internally lined in accordance with American Petroleum Institute Standard 652; and

(2) internally inspected in accordance with American Petroleum Institute Standard 653.

Subp. 3. **Lines.** An existing steel line must be protected from external corrosion using one or more of the following methods:

A. the line is not in contact with soil;

B. the underground line is cathodically protected; or

C. the underground line is double walled.

Subp. 4. **Design criteria.** Cathodic protection of existing steel tanks and lines must be designed by a corrosion expert in accordance with American Petroleum Institute Standards 651 and 1632, as applicable.

Subp. 5. **Exclusions.** A secondary containment area for tanks or tank systems which complies with the requirements of part 7151.5400, subparts 1, 2, 3, items B to I, and 4, is excluded from the requirements of this part.

Subp. 6. **Timing of compliance.** Owners and operators shall comply with this part effective November 1, 2003.

**Statutory Authority:** *MS s 115.03*

**History:** *23 SR 883; 25 SR 556*

**Published Electronically:** *October 2, 2007*