



Ohio Administrative Code

Rule 3745-51-191 Assessment of existing tank system's integrity.

Effective: June 12, 2023

(A) Tank systems shall meet the secondary containment requirements of rule 3745-51-193 of the Administrative Code, or the remanufacturer or other person who handles the hazardous secondary material shall determine that the tank system is not leaking or is unfit for use. Except as provided in paragraph (C) of this rule, a written assessment reviewed and certified by a qualified professional engineer shall be kept on file at the remanufacturer's facility or other facility that stores or treats the hazardous secondary material that attests to the tank system's integrity.

(B) This assessment shall determine that the tank system is adequately designed and has sufficient structural strength and compatibility with the materials to be stored or treated, to ensure that the tank system will not collapse, rupture, or fail. At a minimum, this assessment shall consider the following:

(1) Design standards, if available, according to which the tank and ancillary equipment were constructed;

(2) Hazardous characteristics of the materials that have been and will be handled;

(3) Existing corrosion protection measures;

(4) Documented age of the tank system, if available (otherwise, an estimate of the age); and

(5) Results of a leak test, internal inspection, or other tank integrity examination such that:

(a) For non-enterable underground tanks, the assessment shall include a leak test that is capable of taking into account the effects of temperature variations, tank end deflection, vapor pockets, and high water table effects; and

(b) For other than non-enterable underground tanks and for ancillary equipment, this assessment shall include either a leak test, as described above, or other integrity examination that is certified by a



qualified professional engineer that addresses cracks, leaks, corrosion, and erosion.

[Comment: The practices described in the American petroleum institute (API) publication, "Guide for Inspection of Refinery Equipment, Chapter XIII, Atmospheric and Low-Pressure Storage Tanks," fourth edition, 1981, may be used, where applicable, as guidelines in conducting other than a leak test.]

(C) If, as a result of the assessment conducted in accordance with paragraph (A) of this rule, a tank system is found to be leaking or unfit for use, the remanufacturer or other person who stores or treats the hazardous secondary material shall comply with the requirements of rule 3745-51-196 of the Administrative Code.

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see rule 3745-50-11 of the Administrative Code titled "Incorporated by reference."]