



## Ohio Administrative Code

### Rule 3745-55-91 Assessment of existing tank systems integrity.

Effective: October 5, 2020

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(A) For each existing tank system that does not have secondary containment that is in compliance with rule 3745-55-93 of the Administrative Code, the owner or operator shall determine that the tank system is not leaking or is fit for use. Except as provided in paragraph (C) of this rule, within thirty days after December 8, 1988, the owner or operator shall obtain and keep on file at the facility a written assessment that has been reviewed and certified by a qualified professional engineer, in accordance with paragraph (D) of rule 3745-50-42 of the Administrative Code, 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 wastes to be stored or treated, to ensure that the tank system shall not collapse, rupture, or fail. At a minimum, this assessment shall consider all of the following:

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

(2) Hazardous characteristics of the wastes that have been and shall be handled.

(3) Existing corrosion protection measures.

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

(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.



(b) For other than non-enterable underground tanks and for ancillary equipment, this assessment shall include either a leak test, as described in this rule, or other integrity examination that is certified by a qualified professional engineer in accordance with paragraph (D) of rule 3745-50-42 of the Administrative Code, 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) Tank systems that store or treat materials that became hazardous wastes subsequent to July 14, 1986 shall conduct this assessment within twelve months after the date that the waste becomes a hazardous waste.

(D) 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 owner or operator shall comply with rule 3745-55-96 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."]