

3745-55-91

Assessment of existing tank systems'system's integrity.

- (A) For each existing tank system that does not have secondary containment ~~meeting the requirements of~~ that is in compliance with rule 3745-55-93 of the Administrative Code, the owner or operator ~~must~~shall determine that the tank system is not leaking or is ~~unfit~~ for use. Except as provided in paragraph (C) of this rule, within thirty days after December 8, 1988, the owner or operator ~~must~~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 ~~within thirty days after December 8, 1988.~~
- (B) This assessment ~~must~~shall determine that the tank system is adequately designed and has sufficient structural strength and compatibility with the ~~waste(s)~~wastes to be stored or treated, to ensure that ~~it will~~the tank system shall not collapse, rupture, or fail. At a minimum, this assessment ~~must~~shall consider all of the following:
- (1) Design ~~standard(s)~~standards, if available, according to which the tank and ancillary equipment were constructed~~;~~;
 - (2) Hazardous characteristics of the ~~waste(s)~~wastes that have been and ~~will~~shall 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 ~~must~~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 ~~must~~shall include either a leak test, as described ~~above~~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 ~~must~~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 ~~must~~shall comply with ~~the requirements of~~ 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."]

Effective: 10/5/2020

Five Year Review (FYR) Dates: Exempt

CERTIFIED ELECTRONICALLY

Certification

09/21/2020

Date

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