



Ohio Administrative Code

Rule 1501:10-2-08 Underground diesel fuel storage facilities.

Effective: November 3, 2011

(A) Underground diesel fuel storage facilities shall meet the requirements of this rule.

(B) Diesel fuel standards. Diesel-powered equipment shall be used underground only with fuel that meets the standards of the most recently approved U.S. environmental protection agency guidelines for over-the-road fuel. The fuel shall also meet the ASTM D975 fuel standards with a flash point of one hundred degrees Fahrenheit or greater, at standard temperature and pressure. The website for ASTM international is <http://www.astm.org>. The operator shall maintain and make available to the chief for review, a copy of the most recent delivery receipt from the supplier that will prove that the fuel used underground meets the standards listed in this paragraph.

(C) Underground diesel fuel storage facilities shall meet the following general requirements:

(1) Permanently affixed underground diesel fuel storage tanks are prohibited; and

(2) No more than five hundred gallons of diesel fuel shall be stored in each underground diesel fuel storage facility.

(D) An underground diesel fuel storage facility shall be located:

(1) At least one hundred feet from shafts, slopes, shops and explosives magazines;

(2) At least twenty-five feet from trolley wires, haulage ways, power cables and electric equipment not necessary for the operation of the storage facility; and

(3) In an area that is as dry as practicable.

(E) Construction and safety requirements for underground diesel fuel storage facilities. An underground diesel fuel storage facility shall:



- (1) Be constructed of noncombustible materials;
 - (2) Have either self-closing or automatic-closing doors, except for a short-term underground storage facility that has no doors;
 - (3) Be ventilated directly into the return air course using noncombustible materials;
 - (4) Be equipped with an automatic fire suppression system that complies with rule 1501:10-2-12 of the Administrative Code. A site-specific alternate method of complying with this paragraph may be approved by the chief;
 - (5) Be equipped with at least two portable twenty-pound multipurpose dry-chemical type fire extinguishers that are maintained in accordance with MSHA regulations;
 - (6) Be marked with conspicuous signs designating combustible liquid storage; and
 - (7) Be included in the pre-shift examination.
- (F) Safety measures related to welding and cutting. Welding or cutting shall not be done within fifty feet of an underground diesel fuel storage facility except as provided under paragraphs (F)(1) and (F)(2) of this rule. When it is necessary to weld, cut or solder pipelines, cylinders, tanks or containers that may have contained diesel fuel, the following requirements shall apply:
- (1) Cutting or welding shall not be performed on or within containers or tanks that have contained combustible or flammable materials until such containers or tanks have been thoroughly purged, cleaned or inerted, and a vent or opening is provided to allow for sufficient release of any built-up pressure before heat is applied; and
 - (2) Diesel fuel shall not be allowed to enter pipelines or containers that have been welded, soldered, brazed or cut until the metal has cooled to ambient temperature.