

RULE 1170

Methanol Compatible Fuel Storage and Transfer

(a) Purpose

The purpose of this rule is to require at least one tank to be compatible with methanol, when one or more underground motor vehicle fuel storage tank(s) are installed or replaced.

(b) Definitions

- (1) Fleet is any group of vehicles at a single location as determined by the Executive Officer.
- (2) Methanol is a light, volatile, flammable, poisonous, corrosive, liquid alcohol with a chemical formula of CH₃OH.
- (3) Methanol Fuel is a fuel containing at least 85 percent methanol, or as approved by the Executive Officer, and used in motor vehicles or internal combustion engines.
- (4) Methanol Vapor is a fume of organic compounds and entrained liquid emitted from the surface of methanol fuel upon contact with air or gas.
- (5) Motor Vehicle Fuel Storage Tank is an underground fuel storage tank that contains a fuel intended to be used in motor vehicles or internal combustion engines.
- (6) Motor Vehicle Fueling Facility is any facility that contains one or more motor vehicle fuel storage tanks and can dispense or transfer fuel into motor vehicles or internal combustion engines.
- (7) New Motor Vehicle Fuel Storage Tank is any manufactured, repaired, refurbished, or used motor vehicle fuel storage tank which is installed after the date of adoption of this rule.
- (8) Unauthorized Release is the emission of methanol vapors from a motor vehicle fuel storage tank without prior written authorization from the Executive Officer.
- (9) Underground Fuel Storage Tank is one or more tanks combined with underground pipes, which is used for the storage of motor vehicle fuel, and which is at least ten (10) percent beneath the surface of the ground.
- (10) Underground Pipe is any tube, conduit, pipeline, or system composed of the above, used in connection with a motor vehicle fuel storage tank, but neither

intended to transport such fuel in interstate or intrastate commerce, nor intended to transfer such fuel to or from a marine vessel, barge, or fuel tanker.

(c) Requirements

- (1) After July 1, 1988 a person shall not install or allow the installation of one or more new motor vehicle fuel storage tank(s) unless at least one such tank at any single motor vehicle fueling facility, along with all associated underground pipes is capable of safely storing and transporting methanol fuel, as evidenced by written certification from the manufacturer for the useful life of the tank.
- (2) Certification from the manufacturer of new motor vehicle fuel storage tank(s) shall meet Underwriters Laboratory (UL) Standard 58 or 1316 as applicable to methanol fuel. Certification from the manufacturers of associated underground pipes shall meet any nationally established standard applicable to methanol fuel, and acceptable by the Executive Officer.
- (3) There shall be no unauthorized release from underground motor vehicle fuel storage tank(s) or associated underground pipes.

(d) Exemptions

The provisions of this rule shall not apply to:

- (1) New motor vehicle fuel storage tanks of capacity less than five thousand gallons (5,000 gal) unless such tanks are intended or used for fleet vehicles,
- (2) Motor vehicle fueling facilities which dispense less than twenty thousand gallons per month (20,000 gal/month), annual average, except for fleet fueling facilities,
- (3) Motor vehicle fueling facilities located on farmland and used primarily for agricultural purposes or animal husbandry, including pest control and aviation,
- (4) Motor vehicle fueling facilities with an existing underground fuel storage tank of capacity five thousand gallons (5,000 gal) or more that meets the requirements of this rule as stated under subparagraphs (c)(1), (c)(2), and (c)(3),
- (5) On-site repair that does not involve installation or replacement of motor vehicle fuel storage tank(s).

[SIP: Not SIP.]