

Kansas Administrative Regulations

Kansas Department of Agriculture

Article 10.—Anhydrous Ammonia

4-10-4c. Permanent storage facility design and permanent storage container location.

(a) Before installing or relocating a permanent storage container or permanent storage facility, the owner may submit to the secretary a detailed diagram of the permanent storage facility for review or request a preliminary site survey to ensure that the proposed site meets the requirements in subsections (c), (d), (e), and (f).

(b) The name of the permanent storage facility and the telephone number to be contacted in case of an emergency shall be posted and be legible from each facility entrance using letters at least two inches high.

(c) No permanent storage container shall be located inside an enclosed structure unless the structure is specifically constructed for this purpose.

(d) The nearest edge of the nearest permanent storage container shall be located at a distance meeting the following conditions:

(1) At least 50 feet from the edge of any property not owned or leased by the permanent storage facility;

(2) at least 50 feet from a well or other point of diversion used as a source of drinking water;

(3) at least 50 feet from storage locations of flammables or explosives;

(4) at least 1,000 feet from the area accessible to the public of any public assembly area, as defined in K.A.R. 4-10-1; and

(5) not on or less than 100 feet from the surface of a public roadway.

(e) The site of the permanent storage facility shall be located on property of sufficient size to permit traffic in and out of the area and allow adequate access for emergency personnel.

(f) Each new permanent storage container or permanent storage facility shall be located outside of a municipality or other densely populated areas, unless the location

has been approved in writing by the appropriate local governing body. The owner or operator of each permanent storage container located in a municipality or densely populated area shall obtain written approval from the appropriate local governing body before relocating the permanent storage facility or installing additional permanent storage containers within the municipality or densely populated area.

(g) (1) Each permanent storage container shall be mounted on either of the following:

(A) A skid assembly with sufficient surface area to properly support the skid-mounted container; or

(B) either reinforced concrete footings and foundations or structural steel supports mounted on reinforced concrete foundations. The reinforced concrete foundations or footings shall extend below the established frost line and shall be constructed to support the total weight of the containers and their contents. If the container is equipped with bottom withdrawal, the container's foundation shall maintain the lowest point of the container at not less than 18 inches above ground level.

(2) Each container shall be mounted on its foundation in a manner that permits expansion and contraction. Each container shall be adequately supported so as to prevent the concentration of excessive loads on the supporting portion of the shell. Corrosion prevention measures shall be utilized on any portion of the container that is in contact with either the foundation or saddles.

(3) Each container shall be securely anchored.

(h) All appurtenances to any permanent storage container shall be protected from tampering and mechanical damage, including damage from vehicles. Each manually controlled valve that, if open, would allow ammonia to be transferred or released, shall be kept locked when unattended and during nonbusiness hours.

(Authorized by and implementing K.S.A. 2-1212; effective March 12, 2010.)

***** Authenticated Kansas Administrative Regulation *****