

# **Kansas Administrative Regulations**

## **Kansas Department of Agriculture**

### **Article 10.—Anhydrous Ammonia**

#### **4-10-16. Reactor units.**

(a) Each reactor unit shall operate only at a site that meets the following requirements:

(1) The nearest edge of the reactor unit shall be located at a distance in accordance with the following requirements:

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

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

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

(D) at least 500 feet from any area accessible to the public as defined in K.A.R. 4-10-1; and

(E) not on or less than 50 feet from the surface of a public roadway.

(2) Each reactor unit shall be operated outside of municipalities or other densely populated areas unless the location has been approved in writing by the appropriate local governing body.

(b) During the transfer of anhydrous ammonia from railroad tank cars or transport trucks to a reactor unit for the manufacture of ammoniated solutions, the portable reactor unit shall be equipped with the following safety devices:

(1) Remote-controlled shutoff devices located on the tank car connection immediately preceding the hose attachment and on the discharge side of the pump; and

(2) a backflow check valve in the inlet line to the reactor unit.

(c) When anhydrous ammonia is transported to a stationary reactor unit in an implement of husbandry, the implement of husbandry shall be equipped with the following:

(1) A manually operated remote-controlled shutoff device on the discharge valve immediately preceding any hose attachments; and

(2) a backflow check valve installed in the rigid piping leading to the reactor unit at the point of connection for the transfer hose.

(d) The implement of husbandry shall be monitored at all times during the reacting process.

(e) The transfer hose shall be disconnected from the reactor unit when the reactor unit is not in operation.

(f) The required air-operated or manually operated remote-controlled shutoff device shall be tested before each production run of ammoniated solutions.

(Authorized by and implementing K.S.A. 2-1212; effective May 1, 1986; amended May 1, 1988; amended Jan. 1, 1989; amended March 12, 2010.)

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