Kansas Administrative Regulations

Department of Health and Environment

Article 19.—Ambient Air Quality Standards and Air Pollution Control—Volatile Organic Compound Emissions.

28-19-64. Bulk gasoline terminals.

(a) No owner or operator of any bulk gasoline terminal (BGT) with a gasoline throughput of 20,000 gallons or greater daily shall cause or permit loading of gasoline into any gasoline delivery vessel (GDV) from any loading rack unless:

(1) the loading rack includes a vapor collection system and a vapor processing system or an equivalent vapor control system approved by the director; and

(2) the GDV driver provides documentation showing the GDV owner or operator has complied with K.A.R. 28-19-70(c)(3).

(b) The following requirements shall apply to the loading rack and vapor collection and processing system at affected BGT's:

(1) VOC emissions to atmosphere shall be limited to 0.67 pound per 1,000 gallons of gasoline loaded. Initial compliance with this emission limitation shall be demonstrated by the owner or operator within 180 days after an affected BGT becomes subject to the provisions of this regulation. Compliance demonstration shall be in accordance with 40 CFR Part 60, as in effect July 1, 1986, subsections 60.503(c), (d), (e) and (f). The department may require compliance demonstration be repeated at any time necessary to determine compliance with this regulation, and at the expense of the owner or operator.

(2) all vapors and gases from the loading rack shall be vented only to the vapor processing system; and

(3) the vapor collection and processing system shall be designed and operated to prevent gauge pressure in the GDV from exceeding 18 inches of water and prevent vacuum gauge pressure from exceeding six inches of water during the gasoline loading operation.

(c) The owner or operator of an affected BGT required to install a vapor collection and processing system to comply with this regulation shall:

(1) Within 16 weeks of the effective date of this regulation submit a control plan to the department providing for final compliance with this regulation as expeditiously as practicable but not later than the date prescribed by subsection (c)(5) of this regulation;

(2) award contracts or purchase orders for the vapor collection and processing system within 24 weeks on the effective date of this regulation;

(3) initiate on site construction or installation of the vapor collection and processing system within 48 weeks of the effective date of this regulation;

(4) complete construction or installation of the vapor collection and processing system within 100 weeks of the effective date of this regulation; and

(5) demonstrate final compliance with this regulation within two years of the effective date of this regulation.

(d) The owner or operator of an affected BGT shall submit to the director by March 31 of each year, a report of the monthly gasoline throughput for the previous calendar year.

(e) The owner or operator of an affected BGT shall inspect, at least once each calendar quarter, each loading rack and vapor collection and processing system during loading of GDV's for liquid or vapor leaks. Inspect for liquid leaks visually, vapor leaks shall be detected in accordance with 40 CFR Part 60, appendix A, reference method 21 or an alternate method as demonstrated to the satisfaction of the department to be equivalent. Combustible organic vapors shall be less than 100 percent of the lower explosive limit, measured as propane, at one inch around the perimeter of any leak source on the loading rack and vapor collection and processing system up to the point of connection with GDV. Leaks detected shall be repaired within 15 days. The owner or operator of the affected BGT shall record the following information and keep the information available for at least two years for department inspection at the BGT or submittal to the department upon department request:

(1) date of each inspection, including corresponding number of leaks detected; and

(2) date and location of leaks detected and date and type of corrective actions taken.

(f) In addition to inspecting for leaks required in subsection (e), the owner or operator of an affected BGT shall:

(1) take precautions necessary to prevent liquid drainage from the loading rack when not in use and when disconnecting from any GDV; and

(2) notify the department, on forms supplied by the department, and before each March 2nd, that all GDV's servicing the BGT during the past calendar year complied with the requirements of K.A.R. 28-19-70(c).

(g) The provisions of this regulation shall be applicable to all affected BGT's which are located in areas which were identified as not meeting the national ambient air quality standard for ozone in the manner prescribed by the provisions of Section 107(d) of the federal clean air act, 42 U.S.C. 7407 as promulgated at 40 CFR Part 81 as in effect July 1, 1986 and amended at 51 Fed. Reg. 25,200 July 11, 1986.

(Authorized by and implementing K.S.A. 65-3005, 65-3010; effective, E-81-28, Sept. 10, 1980; effective May 1, 1981; amended May 1, 1986; amended, T-88-55, Dec. 16, 1987; amended May 1, 1988.)

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