Kansas Administrative Regulations

Department of Health and Environment

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

28-19-68. Leaks from petroleum refinery equipment.

(a) If the volatile organic compound concentration leaking from pump seals, compressor seals, seal oil degassing vents, pipeline valves, flanges, and other connections, pressure relief devices, process drains, and open ended pipes exceeds 10,000 parts per million, the leak shall be repaired within 15 days.

(b) Any leaks which cannot be repaired during the 15 day period shall be reported to the department, in writing, within the 15 day period. The report shall state the source of the leak, the reasons why repairs cannot be made during the period, and the earliest date by which the repairs can be accomplished.

(c) The monitoring of volatile organic compound leaks shall be performed by the refinery according to the following schedule: (1) Weekly: visual inspection shall be made of pump seals to detect leaks. Whenever liquid leaks are observed, the volatile organic compound concentration shall be monitored immediately.

(2) quarterly: compressor seals, pipeline valves in gas service, and atmospheric vented pressure relief valves in gas service.

(3) annually: pump seals, pipeline valves in liquid service, and process drains.

(d) The monitoring for the detection of volatile organic compound leaks other than visual inspection required by subsection (c) shall be conducted in accordance with the provisions of K.A.R. 28-19-62(a)(3).

(e) A written monitoring plan providing for compliance with the provisions of subsection (c) shall be submitted to the department by the owner or operator of any source subject to its provisions within one year of the effective date of this regulation. The plan shall contain, at a minimum, a list of the refinery units to be monitored, the calendar quarter during which they will be monitored, a copy of the leak survey log

format that will be used, and the make and model of the monitoring equipment that will be used.

(f) The ends of all pipes and lines which normally contain volatile organic compounds and which terminate with a valve fitting other than a pressure relief valve shall be sealed with a second valve, a blind flange, a plug, or a cap. The seals shall be removed only when the line must be opened for the collection of samples or other purposes.

(g) This regulation shall be applicable only to pump seals, compressor seals, seal oil degassing vents, pipeline valves, flanges and other connections, pressure relief devices, process drains and open ended pipes in use at petroleum refineries 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 48 FR 46783 (October 14, 1983), and have a cumulative potential contaminant emission rate equal to or greater than 100 tons of volatile organic compounds per year for all emissions sources subject to the provisions of this part.

(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.)

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