Kansas Administrative Regulations

Department of Health and Environment

Article 35.—Radiation—Part 4. Standards for Protection Against Radiation.

28-35-224a. Disposal by release into sanitary sewage systems.

(a) A licensee shall not discharge radioactive material into a sanitary sewage system unless the following requirements are met:

(1) The radioactive material shall be readily soluble or readily dispersible biological material, in water.

(2) The quantity of any radioactive material released into the system by the licensee in any month shall not exceed the quantity that, if diluted by the average monthly quantity of sewage released into the sewer by the licensee, would result in an average concentration no greater than the limits specified in appendix B, table III, as published in "appendices to part 4: standards for protection against radiation," which is adopted by reference in K.A.R. 28-35-135a.

(3) If more than one radionuclide is released, the following additional requirements shall be satisfied.

(A) The licensee or registrant shall determine the fraction of the limit in appendix B, table III, as published in "appendices to part 4: standards for protection against radiation" and adopted in K.A.R. 28-35-135a, represented by discharges into sanitary sewerage by dividing the actual monthly average concentration of each radionuclide released by the licensee or registrant into the sewer by the concentration of that radionuclide listed in appendix B, table III, as published in "appendices to part 4: standards for protection against radiation."

(B) The sum of the fractions for each radionuclide required by paragraph (a)(3)(A) shall not exceed one.

(4) The total quantity of licensed or registered radioactive material that the licensee or registrant releases into the sanitary sewerage in a year shall not exceed 185 Gbq (5

Ci) of hydrogen-3, 37 Gbq (1 Ci) of carbon-14, and 37 Gbq (1 Ci) of all other radioactive materials combined.

(b) A licensee shall not discharge radioactive material into an individual sewage disposal system used for the treatment of waste water serving only a single dwelling, office building, industrial plant, or institution except as specifically approved by the secretary pursuant to K.A.R. 28-35-214a and 28-35-223a(c).

(c) Excreta from individuals undergoing medical diagnosis or therapy with radioactive material shall be exempt from any limitations contained in this regulation. (Authorized by and implementing K.S.A. 48-1607; effective, T-85-43, Dec. 19, 1984; effective May 1, 1985; amended Sept. 20, 1993; amended Oct. 17, 1994; amended Dec. 30, 2005.)

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