Kansas Administrative Regulations

Department of Health and Environment

Article 35.—Radiation

28-35-298. Area requirements.

(a) Radiation levels. The local components of an analytical X-ray system shall be located and arranged and shall include sufficient shielding or access control so that no radiation levels exist in any area surrounding the local components that could result in a dose to an individual present in excess of the dose limits specified in K.A.R. 28-35-214a. For analytical X-ray systems utilizing X-ray tubes, these radiation levels shall be met at each specified tube rating.

(b) Surveys. Surveys, as specified in K.A.R. 28-35-139(a), of all analytical X-ray systems sufficient to show compliance with subsection (a) of this regulation shall be completed as follows:

(1) At the time of installation of the analytical X-ray system;

(2) following any change in the initial arrangement, number, or type of local components;

(3) following any maintenance requiring the disassembly or removal of a local component;

(4) during maintenance and alignment procedures if the procedures require the presence of a primary beam when any local component is disassembled or removed;

(5) any time a visual inspection of the local components reveals an abnormal condition;

(6) whenever personnel-monitoring equipment shows a significant increase over the previous monitoring period or the readings are approaching the limits specified in these regulations; and

(7) after a bypass of a safety device or interlock as required by K.A.R. 28-35-299(b).

(c) Posting. Each area or room containing local components shall be conspicuously posted with a sign or signs bearing the radiation symbol and the words “CAUTION—X-RAY EQUIPMENT,” or words having a similar meaning.

(d) Security. Each analytical X-ray system shall be secured to be accessible to, or operable by, only authorized personnel when the analytical X-ray system is not in operation.

(Authorized by and implementing K.S.A. 48-1607; effective May 1, 1976; amended Dec. 30, 2005; amended Oct. 23, 2026.)

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