

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 component group that could result in a dose to an individual present therein in excess of the dose limits specified in K.A.R. 28-35-214a. For systems utilizing X-ray tubes, these levels shall be met at each specified tube rating.

(b) Surveys. Radiation surveys, as specified in K.A.R. 28-35-139(a), of all analytical X-ray systems sufficient to show compliance with K.A.R. 28-35-298(a) shall be performed as follows:

- (1) At the time of installation of the equipment;
- (2) following any change in the initial arrangement, number, or type of local components in the system;
- (3) following any maintenance requiring the disassembly or removal of a local component in the system;
- (4) during the performance of maintenance and alignment procedures if the procedures require the presence of a primary X-ray beam when any local component in the system is disassembled or removed;
- (5) any time a visual inspection of the local components in the system reveals an abnormal condition; and
- (6) whenever personnel-monitoring devices show a significant increase over the previous monitoring period or the readings are approaching the limits specified in these regulations.

(c) Posting. Each area or room containing analytical X-ray equipment 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.

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

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