Kansas Administrative Regulations

Department of Health and Environment

Article 35.—Radiation—Part 2. Radiation Producing Machines.

28-35-169. Design requirements for an operator's booth.

(a) Space requirements.

(1) Each operator shall be allotted adequate room to operate the unit effectively.

(2) In determining whether the allotted space is adequate, any encumbrance by the control panel, overhang, cables, or other similar encroachments shall be evaluated.

(3) The booth shall be located or constructed so that unattenuated direct scattered radiation originating on the examination table or at the wall cassette cannot reach the operator's station in the booth.

(b) Structural requirements. Shielding shall be provided to meet the requirements of K.A.R. 28-35-211a through K.A.R. 28-35-234a of these regulations.

(c) Control placement. The control for the system shall be fixed within the booth.

(1) The operation of the radiation-producing devices shall be possible only from within the booth.

(2) The location of the control shall allow the operator to use the majority of the available viewing systems.

(d) Viewing system requirements.

(1) Each booth shall have at least one viewing device positioned so that both of the following conditions are met:

(A) The operator can view the patient during any exposure.

(B) The operator can have full view of any occupant of the room and anyone who enters the room. If any door allowing access to the room cannot be seen from the booth, that door shall have an interlock control that prevents exposure if the door is not closed.

(2) If the viewing system is a window, the window shall have the same lead equivalence as that required for the booth's wall in which the window is mounted.

(3) If the viewing system is by mirrors, each mirror shall be positioned so that the requirements of K.A.R. 28-35-254(d)(1) are met.

(4) If the viewing system utilizes a camera, both of the following requirements shall be met:

(A) The camera shall be positioned so that the requirements of K.A.R. 28-35-254(d)(1) are met.

(B) An alternate viewing system shall be provided as a backup for the primary system.

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

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