Kansas Administrative Regulations

Department of Health and Environment

Article 35.—Radiation

28-35-300. Personnel requirements.

(a) Instruction. No individual shall be permitted to operate or maintain analytical X-ray systems unless the individual has received instruction in and demonstrated competence in the following:

(1) Identification of radiation hazards associated with the use of the equipment;

(2) significance of the various radiation warning and safety devices incorporated into the equipment or the reasons that radiation warning and safety devices have not been installed on certain pieces of X-ray equipment and the extra precautions required in each case;

(3) proper operating procedures for the X-ray equipment;

(4) symptoms of an acute localized exposure; and

(5) proper procedures for reporting an actual or suspected exposure.

(b) Personnel monitoring. Finger or wrist dosimetry devices shall be provided to and used by the following individuals:

(1) Personnel using or routinely working near and having potential for exposure to the primary beam of an open-beam configuration; and

(2) personnel providing maintenance to analytical X-ray systems if the maintenance procedures require the presence of a primary beam when any local component in the analytical X-ray system is disassembled or removed.

(c) Radiation protection responsibility.

(1) Each registrant’s management shall designate an individual as a radiation safety officer.

(2) Each radiation safety officer shall be able to report radiation safety issues directly to management.

(3) Each radiation safety officer shall have training and experience commensurate with the scope of the radiation safety program to carry out the following responsibilities:

(A) Ensuring that all analytical X-ray systems are operated within the limitations of the established radiation safety program and operating procedures;

(B) instructing personnel about safe working practices and ensuring that all personnel are trained in radiation safety commensurate with the hazards of the job;

(C) investigating any incident to determine the cause, take remedial action, and report the incident to the proper authority;

(D) ensuring that safety devices, interlocks, warning signals, labels, postings, and signs are functioning and located where required;

(E) conducting any required surveys; and

(F) maintaining all radiation safety records.

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

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