Kansas Administrative Regulations

Department of Health and Environment

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

28-35-212e. Determination of prior occupational dose.

(a) For each individual who could enter the licensee's or registrant's restricted or controlled area and is likely to receive, in a year, an occupational dose requiring monitoring pursuant to K.A.R. 28-35-217a, the licensee or registrant shall perform the following:

(1) Determine the occupational radiation dose received during the current year; and

(2) attempt to obtain the records of lifetime cumulative occupational radiation dose.

(b) Before permitting an individual to participate in a planned special exposure, the licensee or registrant shall determine all of the following:

(1) The internal and external doses from all previous planned special exposures;

(2) all doses in excess of the limits, including the doses received during accidents and emergencies, by the individual; and

(3) all of the lifetime cumulative occupational radiation dose.

(c) In complying with the requirements of this regulation, a licensee or registrant may perform the following:

(1) Accept, as a record of the occupational dose that the individual received during the current year, a written signed statement from the individual, or from the individual's most recent employer for work involving radiation exposure, that discloses the nature and the amount of any occupational dose that the individual received during the current year;

(2) accept, as the record of the lifetime cumulative radiation dose, an up-to-date record on a form prescribed by the department or an equivalent form, signed by the individual and countersigned by an appropriate official of the most recent employer for work involving radiation exposure, or the individual's current employer, if the individual is not employed by the licensee or registrant; and

(3) obtain reports of the individual's dose equivalent from the most recent employer for work involving radiation exposure, or the individual's current employer, if the individual is not employed by the licensee or registrant, by telephone, telegram, facsimile, electronic mail, or letter. The licensee or registrant shall request a written verification of the dose data if the authenticity of the transmitted report cannot be established.

(d)(1) The licensee or registrant shall record the exposure history on a form prescribed by the department, or on a clear and legible record that includes all the information required on that form. The form or record shall show each period in which the individual received occupational exposure to radiation or radioactive material and shall be signed by the individual who received the exposure. For each period for which the licensee obtains reports, the licensee or registrant shall use the dose shown in the report in preparing the history. For any period in which the licensee or registrant does not obtain a report, the licensee or registrant shall place a notation in the history indicating the periods of time for which data are not available.

(2) A licensee or registrant shall not be required to reevaluate the separate external dose equivalents and internal committed dose equivalents or intakes of radionuclides assessed before January 1, 1994. Although occupational exposure histories obtained and recorded before January 1, 1994 did not include effective dose equivalent, the histories may be used in the absence of specific information on the intake of radionuclides by the individual.

(e) If the licensee or registrant is unable to obtain a complete record of an individual's current and previously accumulated occupational dose, the licensee or registrant shall assume the following:

(1) That, in establishing administrative controls under K.A.R. 28-35-212a(f) for the current year, the allowable dose limit for the individual has been reduced by 12.5 mSv (1.25 rem) for each quarter for which records were unavailable and the individual was engaged in activities that could have resulted in occupational radiation exposure; and

(2) that the individual is not available for planned special exposures.

(f) Each licensee or registrant shall retain the records of exposure history until the secretary terminates each pertinent license or registration requiring this record. Each

licensee or registrant shall retain the information used in preparing records of exposure history for three years after the record is made.

(Authorized by and implementing K.S.A. 48-1607; effective Oct. 17, 1994; amended Dec. 30, 2005.)

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