Kansas Administrative Regulations

Department of Health and Environment

Article 35.—Radiation—Part 11. Wireline and Subsurface Tracer Studies.

28-35-345. Radiation survey instruments.

(a) Each licensee or registrant shall maintain a sufficient supply of calibrated and operable radiation survey instruments capable of detecting beta and gamma radiation at each field station and temporary job site to make any physical radiation survey required by this part and part 4 of these regulations. Instrumentation shall be capable of measuring a range of 0.1 milliroentgens through at least 50 milliroentgens per hour.

(b) Each licensee shall have available additional calibrated and operable radiation-detection instruments sensitive enough to detect the low radiation and contamination levels that could be encountered if a sealed source ruptures. Any licensee may own the instruments or may have a procedure to obtain them from a second party when needed.

(c) Within the previous six months and after each servicing or repair, each radiation survey instrument used shall be calibrated as follows:

(1) At energies and radiation levels appropriate for use;

(2) with a demonstrated accuracy of within plus or minus 20 percent of the true radiation level on each scale; and

(3) (A) At two points located approximately one-third and two-thirds of full scale on each scale if it is a linear instrument;

(B) at midrange of each decade, and at two points of at least one decade if it is a logarithmic scale instrument; and

(C) at appropriate points if it is a digital instrument.

(d) A calibration record for each instrument shall be maintained for two years for inspection by the department.

(Authorized by and implementing K.S.A. 48-1607; effective Sept. 20, 1993; amended Dec. 30, 2005.)

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