# Kansas Administrative Regulations

## Department of Health and Environment

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

**28-35-342. Preoperational and use requirements.**

(a) Preoperational agreements. A licensee shall not perform any wireline service operation with a sealed source or source unless, before commencement of the operation, the licensee has a written agreement with the well operator, well owner, drilling contractor, or land owner stating the following:

(1) If a sealed source is lodged downhole, a reasonable effort at recovery will be made.

(2) No person will attempt to recover a sealed source in a manner that, in the licensee's opinion, could result in a rupture of the sealed source.

(3) If a decision is made to abandon the sealed source downhole, the requirements of K.A.R. 28-35-362 (c) will be met.

(b) Limits on levels of radiation. All sources of radiation shall be used, stored, and transported so that the transportation and the dose limitation requirements of these regulations are met.

(c) Uranium sinker bars. Any licensee may use a uranium sinker bar in well-logging applications only if the sinker bar is legibly impressed with these words: "CAUTION RADIOACTIVE—DEPLETED URANIUM" and "NOTIFY CIVIL AUTHORITIES [or COMPANY NAME] IF FOUND."

(d) Energy compensation source. Any licensee may use either an energy compensation source (ECS) contained within a logging tool or other tool components, if the ECS contains quantities of licensed material not exceeding 3.7 Mbq (100 microcuries).

(1) For well-logging applications with a surface casing protecting freshwater aquifers, use of the ECS shall be subject only to the requirements of K.A.R. 28-35-346, K.A.R. 28-35-347, and K.A.R. 28-35-360.

(2) For well-logging applications without a surface casing protecting freshwater aquifers, use of the ECS shall be subject only to the requirements of K.A.R. 28-35-342, K.A.R. 28-35-346, K.A.R. 28-35-347, K.A.R. 28-35-360, and K.A.R. 28-35-362.

(e) Use of sealed source in a well without a surface casing. Any licensee may use a sealed source in a well without a surface casing for protecting freshwater aquifers if the licensee follows a procedure for reducing the probability that the source will become lodged in the well. This procedure shall be required to be approved by the U.S. nuclear regulatory commission or by an agreement state before the licensee uses the procedure.

(f) Use of a tritium neutron generator target source.

(1) Each licensee who uses a tritium neutron generator target source that contains a total quantity of tritium not exceeding 1,110 Mbq (30 curies) and is located in a well with a surface casing to protect freshwater aquifers shall be subject to the requirements of this part, excluding K.A.R. 28-35-349 and K.A.R. 28-35-362.

(2) Each licensee who uses a tritium neutron generator target source that contains a total quantity of tritium exceeding 1,110 Mbq (30 curies) or is located in a well without a surface casing to protect freshwater aquifers shall be subject to the requirements of this part, excluding K.A.R. 28-35-349.

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

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