



KANSAS
DEPARTMENT OF HEALTH & ENVIRONMENT
BILL GRAVES, GOVERNOR
Clyde G. Graeber, Secretary

November 30, 2000

KANSAS INFORMATION NOTICE 00-01

**CHANGE IN RADIOGRAPHY
PROCEDURES. THE TWO-MAN
RULE.**

Addresses

Industrial Radiography Workers in Kansas

Purpose

This notice is to inform Kansas radiographers of changes which will be effective on June 27, 2001.

Description of Circumstances

Kansas has an Agreement with the Nuclear Regulatory Commission (NRC) to regulate the use of radioactive materials within the state. Kansas, as an agreement state, is required to develop and enforce radiation regulations compatible with the Code of Federal Regulations (CFR). On June 27, 1998 radiographers working in NRC states were required to follow new regulations in Title 10 CFR 34. Kansas must enact compatible regulations within three years of June 27, 1998.

Discussion

On June 27, 1998 significant changes to Title 10 Code of Federal Regulations Part 34 went into effect for non-agreement states. 10 CFR 34 pertains to industrial radiographic operations. The major change that occurred is commonly known as the "Two Man Rule". The Two Man Rule affects industrial radiography operations using sealed sources of radioactive material. Kansas, as an agreement state, is required to implement regulations compatible with 10 CFR 34. In lieu of a change in Kansas Radiation Protection Regulations (KRPR), KDHE may use other legally enforceable methods to affect the change. KDHE will make a specific amendment to each radiography license to reflect new policy, if the KRPR change is not in place. Compatible Kansas regulations are currently under development. As of **June 27, 2001** Kansas radiography licensees must comply with the Two Man Rule as stated in the compatible Kansas regulations, or specific license amendment.

Most reciprocity workers in Kansas are required to use the Two Man Rule. The NRC and most

Agreement States currently enforce the Two Man Rule. Reciprocity workers in Kansas are required to follow the policies of Kansas and their license agreement. This requires them to follow Kansas' or their licensing entity's regulations, whichever are more strict. **Beginning on June 27, 2001 all industrial radiography workers using sealed sources of radioactive material in Kansas must follow the Two Man Rule.**

Federal regulations concerning radiography may be downloaded from the Nuclear Regulatory Commission's website at:

<http://www.nrc.gov/NRC/CFR/PART034/index.html>

The pertinent sections, 10 CFR 34.41 and 10 CFR 34.43(c), are listed below:

§34.41 Conducting industrial radiographic operations.

(a) Whenever radiography is performed at a location other than a permanent radiographic installation, the radiographer must be accompanied by at least one other qualified radiographer or an individual who has at a minimum met the requirements of §34.43(c). The additional qualified individual shall observe the operations and be capable of providing immediate assistance to prevent unauthorized entry. Radiography may not be performed if only one qualified individual is present.

(b) All radiographic operations conducted at locations of use authorized on the license must be conducted in a permanent radiographic installation, unless specifically authorized by the Commission.

(c) A licensee may conduct lay-barge, offshore platform, or underwater radiography only if procedures have been approved by the Commission or by an Agreement State.

(d) Licensees will have until June 27, 1998, to meet the requirements for having two qualified individuals present at locations other than a permanent radiographic installation as specified in paragraph (a) of this section.

§34.43 Training.

(c) The licensee may not permit any individual to act as a radiographer's assistant until the individual--

(1) Has received copies of and instruction in the requirements described in NRC regulations contained in this part, in §§30.7, 30.9, and 30.10 of this chapter, in

the applicable sections of 10 CFR parts 19 and 20 of this chapter, in applicable DOT regulations as referenced in 10 CFR part 71, in the NRC license(s) under which the radiographer's assistant will perform industrial radiography, and the licensee's operating and emergency procedures;

(2) Has developed competence to use, under the personal supervision of the radiographer, the radiographic exposure devices, sealed sources, associated equipment, and radiation survey instruments that the assistant will use; and

(3) Has demonstrated understanding of the instructions provided under (c)(1) of this section by successfully completing a written test on the subjects covered and has demonstrated competence in the use of hardware described in (c)(2) of this section by successful completion of a practical examination on the use of such hardware.

Kansas regulations, compatible to the above, are in development. New KRPR must be accepted by the Kansas Legislature. A specific license condition will address this issue if the revised KRPR have not been approved by June 27, 2001. Questions regarding these changes should be directed to the Kansas Radiation Control Program Licensing Staff at 785-296-1560.

Sincerely,

Signature on

Vick Cooper

Section Chief
Radiation Control Program
Bureau of Air & Radiation
Kansas Department of Health & Environment