



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

August 30, 2002

**KANSAS INFORMATION NOTICE 02-02: MEDICAL USE OF STRONTIUM-90 EYE
APPLICATORS: NEW REQUIREMENTS FOR
CALIBRATION AND DECAY CORRECTION**

Addressees

All Kansas medical licensees that use strontium-90 (Sr-90) eye applicators.

Purpose

To inform licensees about new requirements in the revised 10 CFR Part 35, "Medical Use of Byproduct Material," pertaining to the calibration and decay correction of Sr-90 eye applicators and related issues.

Description of Circumstances

NRC's complete revision of Part 35, "Medical use of byproduct material," issued on April 24, 2002, may be viewed through the NRC website under the Electronic Reading Room link (http://ruleforum.llnl.gov/cgi-bin/downloader/final_lib/280-0161.pdf). This letter discusses the revised requirements related to the calibration and decay correction of Sr-90 eye applicators.

Discussion

The NRC's new part 35 has new requirements in 10 CFR 35.432, "Calibration measurements of brachytherapy sources," and 10 CFR 35.433, "Decay of strontium-90 sources for ophthalmic treatments," that apply to the use of Sr-90 eye applicators, as follows:

1. Under 10 CFR 35.432(a), the source output or activity must be determined using a dosimetry system that meets the requirements of 10 CFR 35-630(a).
2. Under 10 CFR 35.433, only an authorized medical physicist can calculate the activity of each Sr-90 source that is used to determine the treatment times for ophthalmic treatments.

Medical licensees who use Sr-90 eye applicators should check calibration records and take steps now to assure that they will be in compliance with these new requirements by the effective date of October 24, 2002.

This information notice does not require any specific action or written response. If you have any questions about the information in this notice, please do not hesitate to contact this office.