Arkansas Department of Health

Radioactive Materials Program
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Governor Mike Beebe
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ARKANSAS INFORMATION NOTICE 12-02

To: All X-Ray Registrants, Radioactive Material Licensees, and Accelerator Licensees

From: Bernard (Bernie) Bevill, Section Chief
Radiation Control Section

Date: April 23, 2012

Subject: Estimation of dose due to a lost or damaged personnel monitoring device

This Information Notice (IN) is to advise those registrants and licensees using personnel monitoring devices of the Department's policy on the estimation of dose received by an occupational worker due to a lost or damaged-beyond-readability monitoring device.

The Department expects x-ray registrants and licensees to estimate dose received in an instance where an individual wearing a monitoring device either lost or damaged the device beyond its ability to be read accurately. This enables the registrant or licensee to then ensure that this individual will not exceed established dose limits due to an uncalculated dose. The Department expects this estimation to be performed via a written procedure incorporated as part of an effective radiation safety program. This dose estimation procedure must be commensurate with the typical duties performed as part of the registrant's or licensee's particular scope of practice. This procedure, once established, can then be used to estimate dose for a lost or damaged monitoring device without prior notification of the Department.

Conversely, Information Notice IN-09-02, "Adjustments of Recorded Radiation Dose to Personnel Monitors," references RH-34.g., which states in part:

> *"Any individual offering or furnishing personnel dosimetry services shall not lower or amend radiation exposure reports except by authorization from the Department."*

This regulation refers to exposure report readings that have already been generated by the dosimetry service company. Notification to amend such a report must be submitted for Department approval prior to the report's being amended.

Please be aware that the Department requires notification if any dose, whether reported by the dosimetry company or estimated by the licensee, causes an individual to meet exposure and/or incident notification criteria established in the Arkansas State Board of Health Rules and Regulations for Control of Sources of Ionizing Radiation.

Documentation regarding all dose estimates and exposure report adjustments must be maintained for review for the duration of the license or registration.

This IN requires no specific action or written response. If you have any questions regarding this notice, please contact Bernie Bevill, Radiation Control Section Chief, at (501) 661-2301.