LOUISIANA STATE UNIVERSITY HEALTH SCIENCES CENTER - SHREVEPORT

PERSONNEL RADIATION MONITORING

Purpose:

To ensure all personnel working in areas of exposure to radiation are properly monitored.

Policy:

State law requires that those employees likely to receive as much as 10 percent of the Maximum Permissible Dose (MPD) for radiation workers must be provided with personnel dosimeters. The personnel dosimetry monitoring system at LSUHSC-Shreveport is provided by a commercial vendor. Individual results are sent to the department monthly and reviewed by the Radiation Safety Committee quarterly. The dose estimates returned to the customer can be significantly in error if the dosimeter (badge) is:

1. not worn properly
2. not stored properly and/or
3. not exchanged at the correct time.

Procedure:

1. The personnel dosimeter must be exchanged monthly. The Radiation Safety Officer is responsible for the exchange of badges.

2. Each dosimeter packet is distributed with a clip-on badge. Attach the badge on the collar or upper torso of your body; the badge must be worn at the neck outside the radiation protective clothing when the clothing is worn.

3. When off duty, store the badge at the location designated in your area.

4. Report any loss, accidental radiation exposure, or accidental exposure to an abnormal environment to your supervisor and/or to the Safety Office (Room AG-16).

5. DO NOT wear badge at another facility/job.
6. **DO NOT** tamper with the badge or dosimeter packet. Heat, chemicals or water can cause abnormal exposure estimates.

7. **DO NOT** wear another individual's badge.

8. **DO NOT** purposely expose a badge.

**NOTE:** If you have been assigned a second whole body badge, it shall be worn at the waist underneath the protective clothing. Extremity badges (ring, wrist) must be worn as indicated on the proper hand (left, right).

*See Hospital Policy 3.3 regarding Pregnant Employees.*

[Administrator's signature]

Administrator

7/21/04

Date

Written: 6/95
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Approved by Clinical Board: 5/15/01, 7/20/04