



Proper Care and Wearing Instructions for Dosimetry Badges

General:

Dosimetry badges shall be worn whenever there is a potential for occupational exposure to radiation. When badges are not in use, they should be stored in an area without radiation from your activities (background exposure only) to prevent non-work related exposure. Keep in mind that some radiation sources will pass through some materials, e.g. desks, shelves, walls, etc. Exposure reports are legal documents of occupational exposure only.

Lapel Badges: (RDC #83)

1. The Albedo neutron detector portion of the badge detects neutrons which have entered the body and have been scattered back out to the badge. Consequently, the badge must be placed as close to the body as is practical, and no more than 3/8 inch from the surface of the body. The badge must be worn with the clip side next to the torso, and positioned somewhere between the waist and shoulder on the front side of the body. Proper positioning is critical as it affects the ability of the badge to detect the reflected neutrons. The badge should not be worn on loose clothing which could cause it to fall away from the body.
2. The badge position is less critical for monitoring gamma or beta radiation but should still be worn on the front of the body between the waist and shoulders. The badge should be normally worn at the body location likely to receive the highest level of exposure.
3. If it is necessary to use an unassigned badge, such as a visitor badge, or to reassign a badge please provide the necessary information on a Spare Dosimetry Assignment Form and enclose it when you return the badge. If you require a visitor badge please contact EHS at ext. 5126.

Finger Rings:

1. The TLD detector chip is located under the name label of the ring; consequently, the ring should be worn with the label facing the source of radiation. If the user wears gloves, the ring should be worn under the gloves.
2. Care should be taken to use only the ring marked with the specified individual's name. Right and left hand rings are designated by the placement of an "R" or "L" in the upper right hand corner of the label.