

## **Proper Dosimetry Use**

### **Adding a Participant**

Dosimeters will only be issued after a Dosimetry Application form has been filed with Environmental Health and Safety. Upon review of the application a dosimeter may be issued.

### **Rotation of Badges**

Dosimeters are issued every three months. Return all used badges for processing as quickly as possible. If a badge has not been worn or used by a participant for that monitoring period, please note that fact on the rotation record. If a participant no longer requires a badge, request that the dosimeter be removed or deactivated.

### **Storage of Badges**

Dosimeters are issued to monitor your occupational dose. All dosimeters should be stored in one location with the control badge in the lab or office. The storage location should be located away from sources of radiation. Typically, a desk drawer or cabinet should be selected. Do not store your badge at your workstation or on the lab bench. Do not take your badge home with you.

### **Control Badges**

Control badges provide a background measure of radiation exposure. Control badges should not be worn by a participant and should be stored in the same location as all other issued badges. Control badges should be rotated at the same time as the participant badges. Control badges are not area monitors and should not be used as an area monitor.  
**DO NOT RETURN BADGES WITHOUT THE ASSIGNED CONTROL BADGE.**

### **Ring Badge**

Ring badges should be worn beneath gloves and turned towards the radiation source. The ring is usually worn upside down or facing the palm side of the hand. Typically, if a person is right handed the dosimeter would be worn on the right hand. Please handle the badges with care so that they are not damaged or broken.

### **Whole body Badge including Eye, Upper Extremity, and Fetal Badges**

A whole body badge will be worn on the front of the torso between the shoulders and the waist near the portion of the body that is most likely to receive the maximum radiation exposure and under any protective clothing. If a protective apron is worn, the dosimeter should be near the midline of the body under the apron.

An additional dosimeter will be worn for the purpose it was issued such as eye, upper extremity or fetal monitoring. A dosimeter issued to monitor the eyes will be worn on the collar. A dosimeter issued to monitor an upper extremity exposure will be worn on the sleeve. Fetal monitors will be worn at the waistline.

### **Lost/Stolen, Broken, Accidentally Exposed Badges**

Contact EH&S IMMEDIATELY if any of the following situations occurs:

- The badge is lost, misplaced or cannot be found.
- The badge becomes broken or shows defects.
- The badge is exposed to radiation sources while not in use.

Failing to report these conditions will result in inaccurate permanent doses assigned to your dose history.

**DO NOT PURPOSELY EXPOSE YOUR DOSIMETERS OR CONTROL BADGES TO SOURCES OR DEVICES FOR ANY REASON OTHER THAN THOSE DESCRIBED IN THE PROPER DOSIMETRY USE DOCUMENT.**