

Personnel Monitoring Policy
Environmental Health and Radiation Safety Office (EHRS)
University of Pennsylvania

Applicability

Individuals likely to receive 10% of the annual limit, or 500 mrem per year, will be provided with radiation dosimeters. EHRS staff will determine which individuals or groups require monitoring.

Scope

This policy affects all occupationally exposed personnel who work with radioactive material or x-ray equipment at the University of Pennsylvania and associated facilities.

Procedures

1. A dosimeter coordinator shall be assigned for each clinical section performing x-ray procedures. This person, who is an employee of the section, will have the following tasks:
 - a) Notify EHRS of any badge reassignments necessary due to new employees, terminated employees, etc.
 - b) Distribute the badges to the clinical staff.
 - c) Collect badges and return them to EHRS.
2. Badges are turned in on a monthly or quarterly basis to EHRS. The radiation badge company reports exposure results. These results are available online via the company's website for review by the badged employees, the badge coordinator and as requested.
3. The EHRS office reviews the dosimetry results. ALARA investigations are performed for individuals who have exceeded specific ALARA trigger levels and results are reported to the Radiation Safety Committee.
4. Dosimeters can be obtained by completing the form that is available at the following link:

http://www.ehrs.upenn.edu/programs/radiation/equipment/badge_req.html

ALARA Trigger Levels

	TEDE	Eye	Extremities
X-ray Users			
Special Procedure	375	1500	5000
Other X-ray Users	125	1500	5000
RAM Users			
Nuc Med, PET	375	1125	3750
Other Clinical Users, Cyclotron	250	750	2500
Rad Onc Therapists working with PET	250	375	1875
Other RAM Users	125	375	1875