

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 badge group. This person will have the following tasks:
 - a) Notifying EHRS of any badge reassignments necessary due to new employees, terminated employees, etc.
 - b) Distributing the badges to the staff.
 - c) Collecting badges and returning 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 sent to the badge coordinator for staff review.
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.html>

ALARA Trigger Levels

Badge type	Group	TEDE	Eye	Extremity
Radioactive material	All except Nuclear Medicine	125	125	1875
	Nuclear Medicine (including PET center and cyclotron)	375	375	2500
X-ray	All except Special Procedures	125	1500	5000
	Special Procedures	250	1500	5000