Duke Radiation Safety Division

Responsibilities of the Radiation Dosimeter Wearer

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Revision due three years from last RSO Approval Date
The Radiation Badge Wearer is responsible for the: 1) Compliance with this policy, 2) Completion of the online training for dosimeter wearers, 3) Timely communication to the local Location Code Contact (LCC) or Radiation Safety Division Personnel Dosimetry Manager (PDM) regarding any changes which affect their account (e.g. cancellation, transfer, lost badge, etc.), and 4) Periodic review of their occupational radiation exposure.

1. **Policy Compliance**
   
   It is the responsibility of the Radiation Dosimeter Wearer to:
   
   - Wear the appropriate dosimeter whenever using machines which produce radiation or radioactive materials that present an external radiation hazard (high-energy beta emitters like P-32, or gamma emitting nuclides),
   - Wear the dosimeter for the current monitoring period,
   - Wear the dosimeter in the correct location on the body,
   - Wear the badge on the outside of the lead apron during fluoroscopy procedures,
   - Store the dosimeter in a non-radiation location when not in use,
   - Leave the dosimeter at work whenever practical,
   - Not wear a dosimeter that has been assigned to another worker,
   - Not wear the dosimeter for non-occupational radiation exposures (e.g. medical & dental x-rays for which the badge wearer is the subject), and
   - Not wear the dosimeter at facilities other than Duke.

2. **Online Training**
   
   All Radiation Dosimeter Wearers must complete the online Dosimetry Badge Wearers' training. This is to be conducted prior to the issuance of the first dosimeter and annually thereafter.

3. **Communication of Changes to Account**
   
   It is the responsibility of the Radiation Dosimeter Wearer to notify the local LCC or PDM in a timely fashion of any changes to their account. This includes, but is not limited to, termination of badge service, lost or damaged dosimeter. All written requests for changes should be forwarded to the PDM via e-mail. The Radiation Safety staff manages these changes directly with the dosimetry vendor. The Location Code Contact never needs to communicate directly with the vendor. This single point-of-contact process avoids confusion, duplication of efforts and unauthorized expenses.

4. **Review of Occupational Radiation Exposure**
   
   It is the responsibility of the Radiation Dosimeter Wearer to periodically review his/her occupational radiation exposure. This may be accomplished by reviewing the local dosimetry reports provided by the LCC or contacting the DPM.