



March 2006

Radiation Safety Training Update

Stony Brook University Radiation Safety Office Edward O'Connell, RSO

(Office 631-632-9674) (Cell 631-774-3708) (Email: edward.oconnell@sunysb.edu)

Volume 2, Issue 3

March 2006

Measuring Effectiveness

In order to measure retraining effectiveness as a tool; all lab personnel may be asked a few radiation safety related questions during your labs' next quarterly Radiation Safety Audit visit. The questions relate to your labs' administrative and functional radiation safety activities. Here are some of the questions you may be asked (and should know the answers too!). Your responses will let us know what we need to do to enhance radiation safety and any additional radiation safety training we may need to provide. Here are some of the questions:

1. What is meant by the term "half-life"?
2. What isotopes are used in your lab?
3. What radiation do those isotopes emit?
4. What is the proper shielding for those radiations?
5. What agency regulates the use of radioactive materials in New York?
6. Who is the Radiation Safety Officer here?
7. What actions should you take in the event of a spill of radioactive materials?
8. What is the maximum allowable level of contamination?
9. When do you notify the RSO in the event of a radiological emergency?
10. Who is responsible for maintaining your doses ALARA?
11. What is whole body annual limit (MPD)? *More*

Questions to follow during the summer

ISOTOPE SECURITY

Radioisotope security continues to be an area requiring heightened awareness on the part of all isotope users. Please ensure that you take the following steps to ensure that your radioactive materials remain secure:

1. Do not order more of an isotope than is necessary.
2. Reduce the inventory in your labs to the lowest amount that is practical.
3. Reduce the amount of waste in your labs by calling (2-9680) for pick ups as soon as possible after experiments.
4. Keep isotopes secured at all times by some or all of these methods:
 - a. Lock lab doors when lab is unattended
 - b. Lock storage freezers and refrigerators
 - c. Lock storage boxes in refrigerators.

**DO NOT LEAVE ISOTOPES
UNLOCKED AND/OR UNATTENDED
AT ANY TIME**

5. Report any missing isotopes immediately to the RSO
6. Do not allow unauthorized personnel in your labs
7. Report all suspicious activity to U. Police immediately.

Radiation Shorts

For All Off Hour Emergencies :: CALL U. Police at (911)