



INDIANA UNIVERSITY

OFFICE OF RESEARCH ADMINISTRATION
RADIATION SAFETY - INDIANAPOLIS

August 2011

TRAINING

All Training Classes are in:
Gatch Hall (CL) Room 154

Radiation Safety Course

September 19th – September 23rd
8:30 am – 10:30 am, Mon – Thur
9:00 am – 11:00 am, Fri

Radiation Safety Orientation

Fri, August 12th 1:30 pm – 3:00 pm
Thur, September 15th 9:30 am – 11:00 am
Wed, October 5th 1:30 pm – 3:00 pm
Tue, November 8th 9:30 am – 11:00 am

RADIATION SAFETY STAFF

Radiation Safety Officer
Mack Richard, MS, CHP

Assistant Radiation Safety Officers
Kathi Haldeman, BS
Jeff Mason, BS
Carra Roberts, BS

Health Physicist
Kyle Gerard, BS

Waste Technician
Mike Johnson

Purchasing Coordinator
Judy Savage

Departmental Secretary
Debbie Phillips

Radiation Safety Office
Gatch Hall (CL) 159
Office: 274-4797

Emergency After Hours Page: 312 - 1519
Fax: 274-2332
Email: radsafe@iupui.edu

Office Hours
M-F 8:00 am – 12:00 pm, 1:00 pm – 5:00 pm

Radiation Safety Website
<http://radsafe.iusm.iu.edu>

This newsletter is issued quarterly in
February, May, August, and November.

Radiation Safety Newsletter

Holiday Schedule

The RSO will be closed for the following holidays:

Labor Day

Monday, September 5th

Please keep this in mind when placing orders and scheduling waste pick-ups.

Liquid Radwaste

We wish to reiterate the requirements for liquid radwaste disposal. Please make certain you do the following:

- Use only RSO approved containers
- Do not overfill the jugs – fill to about ¾ full
- Make certain the lid is tight on the container
- The yellow radwaste tag should indicate whether the waste is *sol liquid* or *organic/insol liquid*. The **major solvent** should be indicated in all cases, even if the solvent is water. If the percentage of the solvent is known, please indicate this as well.

All of this information will assist in the proper disposal of your radwaste.

Emergencies/Spills

As a reminder, if you have an emergency condition or spill, as outlined in the **Radiation Safety Procedures Manual**, please contact our office immediately or as soon as you are able. Anytime there is a question concern, contact our office. Our office is on-call 24 hours a day for emergencies. Contact our office at 274-4797. After hours, listen for the paging instructions. We do not want an event to escalate due to a delay in contacting our office.

Wipe Counting

We had an instance recently where wipes from a lab came back with several thousand counts per minute due to chemiluminescence. In instances where you find contamination, especially in lower energy channels (e.g., if you are counting for ³H), let the vials sit and recount them. In some instances you may be experiencing chemiluminescence, which may be giving you a false-positive count. Certain chemicals may cause this. So remember, to let your vials sit in the dark for several minutes, then recount. If you see the count rate drop off after recounting, this will usually indicate this condition. If you ever have any questions regarding your counts, contact the RSO.

Training

All new radioactive material users, including temporary personnel (e.g., summer students, interns, etc.), and individuals previously approved who have left the university or have not been listed on a permit for a period of two years or more, are required to attend the Radiation Safety Orientation. A completed Radiation Safety A-3 form, *Authorization to Use Radioactive Materials*, should be submitted to the RSO prior to the initial use of radioactive materials. This form can be obtained from our office or from our website. After receiving this form, our office will send an email notification to register for the next orientation. Please make sure to register on-line to confirm adequate classroom space for all attendees. In addition to attending the orientation, all new radioactive users with inadequate training/experience with radionuclides must attend the Radiation Safety Course. Temporary employees (i.e., individuals working in a lab for less than 6 months) are required to complete the orientation but not the course. These individuals must be supervised during their work with radioactivity.

Cut-Off Times

As a reminder, all radioactive materials must be ordered through our office. The cut-off time for ordering is 3:00 pm. Any order placed after 3:00 pm may not be ordered that day.

In addition, the cut-off time for scheduling a waste pick-up is 3:00 pm the day before the pick-up.