



Radioactive Waste Disposal Information

How much does it cost to dispose of RADIOACTIVE waste each year? This year, it will cost Emory University roughly \$185,000 to dispose of the 4,300 gallons of waste generated from radioactive procedures!

How many Radioactive Packages are processed in a year? Approximately 1,300 packages will be processed in a year for labs and hospitals.

Where do I get containers to dispose my Radioactive Waste? New Containers can be found at Whitehead Biomedical Research Building (G floor) & Woodruff Memorial Research Building (outside the door near LL302 in the hall). By generating a waste request pick up, it allows you to enter the number of containers you want be replaced as well.

How do I request a waste pick-up, enter my usage, create a new container, etc... Find answers to all these questions and more information regarding waste by visiting EHSO's website located at: <http://www.ehso.emory.edu/programs/radiation/radiation-guidelines.cfm>

RAD Safety reminders concerning "DO's and DON'Ts"

DO use approved waste containers. Improperly disposing of RAM waste into the normal trash could cause harm to custodial workers.

DO segregate waste into waste containers by isotope and waste type - liquids, dry, LSV's.

DO remember to place lids on waste containers when not in use.

DO add additional shielding for waste containers with beta and gamma emitting isotopes.

DO deface all radioactive symbols on shipping containers, vials, and pigs when disposing.

DO NOT over fill waste containers.

DO NOT mix isotopes or waste types.

DO NOT include sharps in the radioactive waste stream.

DO NOT dispose of lead pigs in waste stream- remove vial and place them in a sealable plastic bag with waste containers so they can be collected for recycling.

Training

Most of EHSO's Trainings are available online in Blackboard.

www.ehso.emory.edu for registration information.

Radiation Safety Training

2nd Tuesdays at 9:00 am

Laboratory Safety Training

3rd Thursdays at 10:00 am

Eye Wash Testing

Someone in your lab should test the eyewash station once a month.

Bio-safety Cabinets/Chemical Fume

Hoods Certification required annually.

Chemical/Radioactive Waste

Pick-up Schedule:

Monday Pick-up

RRC

Whitehead

1462 Clifton Road

School of Public Health

Tuesday Pick-up

Math & Science

Tuesday & Friday Pick-up

Atwood and Emerson

Wednesday Pick-up

Emory Children's Center

Clinic Building A & B

Winship Cancer Institute

Yerkes Main Station

Thursday Pick-up

Woodruff Memorial Research

Building

EUH (Clifton)

Friday Pick-up

All **chemical** waste pick up should be requested by emailing

chemwaste@emory.edu

All **radioactive** waste pick up should be requested via EHS Assist pick-up.

Chemical waste disposal inventory form and/or **radioactive** waste inventory form should accompany all waste containers at the time of pick-up.

CONTACTS	BUILDINGS	EMAIL
Andy Cohen	Woodruff, Emory Children's Center, Math & Science Center	amcohen@emory.edu 404-727-3525
Paula Pleger	Whitehead, Claudia Nance Rollins, Dental, Emerson, Anthropology	ppleger@emory.edu 404-727-1874
Rebecca Stark	Rollins Research Center	rstark4@emory.edu 404-727-4674
Elizabeth Tamrat	Yerkes Main, Human Genetics, Winship, Clinic B, Briarcliff	etamrat@emory.edu 404-727-3847
Chris Vanderpool	Wesley Woods, Yerkes Field Station, Yerkes Vaccine Center	cvande2@emory.edu 404-727-1355

For additional information, please contact your EHSO Building Liaison or the Environmental Health and Safety Office at (404) 727-5922

Please Visit EHSO's website for all of our information located at: <http://www.ehso.emory.edu/content-forms/CampusWideWasteTransportationAn->

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Guidance on the EHSO Equipment Hazard Tag

In September of 2010, EHSO initiated a new equipment tagging procedure. In the past, EHSO was required to sign-off on all equipment designated for surplus, relocation, or repair. With the new procedure, an EHSO signature is not required unless the equipment has been used with radioactive materials or has a radioactive source. In these instances, labs must have EHSO Radiation Safety Personnel to sign-off before contacting Staging. In order to prepare the equipment for removal by Campus Services personnel, the labs must ensure that the equipment is adequately decontaminated and all potential hazards have been

addressed. Here are some very important points to consider before completing your Hazard Tag:

1. Was the equipment used to handle, store, or manipulate biohazardous material?
2. Was the equipment used with chemical hazards?
3. Did the equipment come into contact with radioactive material?
4. Does the equipment generate radiation or have a radioactive source?
5. Is there a laser component within the equipment? What is the class of the Laser Component?

When do the labs need to use the Equipment Hazard Tag?

The Equipment Hazard Tag must be used if: The lab has broken/obsolete equipment that requires disposal. The lab has decided to replace a piece of equipment. If the equipment is in working condition, then the lab should contact the Research Safety Building Liaison to discuss redistribution of the equipment. The lab is moving and the equipment needs to be temporarily decommissioned. If the lab is moving and the equipment needs to be transported, then the equipment must be properly cleaned and tagged. The decommissioned equipment that will remain in the lab for the new occupant must also be properly cleaned and tagged as well.

What should be used for biohazardous material?

Typically, labs can use 70% ethanol or 10% bleach solution for decontamination. However, some biological agents may require a specific disinfectant. If you are unsure, then contact your EHSO Research Safety Building Liaison.

What if my equipment was used with radioactive material or has a radioactive source?

If the equipment was in contact with radioactive material or has a radioactive source, then you will need to contact the Radiation Safety Specialist for your building and have them to inspect the equipment. Radiation Safety will need to ensure that the equipment is free of radioactivity before the equipment is decommissioned or discarded. If you are not familiar with the Radiation Safety Specialist for your building, then contact EHSO at 404-727-5922 and you will be directed to appropriate contact person.

What if my equipment has a laser component?

If your equipment has a laser component, then contact EHSO prior to disposal. The equipment will need to be evaluated.

What do I do once I have addressed all the hazards?

Once the equipment has been wiped down, the Equipment Hazard Tag must be completed and affixed to the equipment has been adequately cleaned before being handled by facilities personnel. To contact Staging, researchers can either send an email to cscsc@emory.edu or call 727-7463 to schedule a pick-up.

Where can I find more information about the use of the Equipment Hazard Tag?

There is a guidance document that provides instructions on how to complete the tag properly.

This document can be found on the EHSO site (<http://www.ehso.emory.edu/guidelines/guidanceonhazardtag.pdf>).

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Building Liaisons

Dionna Thomas 404-727-4673

Woodruff, Woodruff Extension, & Winship (Clinics B & C)

Meagan Parrott 404-712-9480

Dental, Medical Office Tower, Emory Midtown, School of Public Health (CNR/GCR), & Rollins

Steve Arehart 404-727-4171

Clinic B-Eye Center, Pediatrics. North Decatur, Carlos Museum, Yerkes, Hope Clinic, Wesley Woods, Briarcliff Campus, & Anthropology

Rodrick Esaw 404-727-1348

Whitehead, Math & Science, Emerson, Oxford College, & Atwood

- This newsletter is a tool to help fulfill a legal requirement for ongoing safety training.
- Supervisors are responsible for ensuring that individuals in their area have read and understood the information that applies to their area.
- The signed newsletter should be placed into the PIs EHSO Binder.

Signature indicates: I have read and I understand the information in this issue of Lab Rat Newsletter. Use an additional sheet of paper for more signatures, if needed and attach to this document.

1. _____
2. _____
3. _____
4. _____
5. _____

PPE

Personal Protective Equipment

Choice to be based on potential exposures involved:

Eye: Glasses, goggles & face shields

Gloves: Appropriate for the type of procedure

Clothing: Gowns, lab coats, aprons, coveralls

Respirators: Appropriate for the type of procedure



Fire Extinguishers

Check fire extinguishers in your lab:

A. Is it present and mounted in its proper location?

B. Is it readily accessible?



If it appears to need servicing contact the Maintenance HELP line at 7-7463

Contact Employee Health Services / Emory Healthcare Corporate regarding immunization information at (404-728-6437)



Lab Rat NEWS November 2011

We would like to hear from you

What do you like most about the Lab Rat?

What do you like least about the Lab Rat?

Which article was most helpful to you?

What topics would you like to be featured in upcoming issues?

Do you have an article you would like to contribute?

Feel free to send your answers to bio-safe@emory.edu. We look forward to reading your ideas and comments!

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