

Director, Radiation Safety

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http://www.uml.edu/radiation-safety/

University Policy: Uranium and Thorium compound

Applies to users of grams to a few hundred grams of Uranium and thorium compounds (Acetate and nitrate)

Lab PI and User Roles and Responsibilities:

- 1. Training: EHS lab safety training (from EEM website) and Uranium user training (from Radiation Safety website)
- 2. Site Specific training form completed and returned to the radiation safety office
- 3. Scope of work presented to the radiation safety office detailing how you will
 - complete forms (source inventory AU-1 and waste inventory)
 - properly handle and treat material for disposal
 - ensure general lab safety
 - abide by the applicable requirements (listed below)
 - notify radiation safety or UML police of spills
- 4. As a user of this material you must operate your use in compliance with the Radiation Safety Manual (applicable sections below).
 - Section 6: Purchase of Radioactive material
 - Section 7: Working with radioactive material
 - Proper storage, inventory, labeling, contamination control and records, etc.
 - Section 8: Disposition of radioactive material
 - NOTE: some wastes if mixed or created improperly can cost thousands of dollars to dispose.
 - Appendix 4: Radiation accident response (contamination, loss or theft, and fume hood failure).
 - Appendix 9: Forms (found on the website)

Radiation Safety's Roles and Responsibilities:

- Approve requisition through BuyWays (commodity code: Radioactive Material) or submitted HP-1 form.
- Inspect lab for radiation safety (initially, as needed)
 - Looking for general safety
 - o Inventory
 - o Contamination levels measured
 - Waste inventory (activity, composition listed, segregated, secured)
 - o Source security (room and/or source cabinet)
- Receive radioactive material and transfer to the Lab (only once all requirements are satisfied)
- Handle waste (cost sharing might be sought for improper disposal, e.g. mixing)
- Support and technical advisors
- Emergency spill response