# Auburn University

## Laboratory Radioactive Waste Collection Guidelines

<table>
<thead>
<tr>
<th>Isotope Type</th>
<th>Solid</th>
<th>Liquid</th>
<th>Full Liquid Scintillation Vials</th>
</tr>
</thead>
</table>
| Long-Lived   | • Segregate burnable waste (paper, thin plastic, gloves) from nonburnable (source vials and outer containers, glass) | All Isotope Types:  
  - Includes radioactive material itself *plus first rinse* of containers holding RM  
  - Prefered: Pour fluid into liquid container and empty vial into solids (nonburnable) | All Isotope Types:  
  - Alternate: Collect full vials in a solid waste drum separate from other waste |
| Short-Lived  | • Remove or deface any "Radioactive Material" markings and trefoil radiation symbol  
  - Comingle all solid waste in one container | • Must be readily soluble/dispersible in water  
  - Segregate by isotope | • Segregate by isotope |
| Very Short-Lived | • Remove or deface any "Radioactive Material" markings and trefoil radiation symbol  
  - Comingle all solid waste in one container | • Only biodegradable scintillation fluid unless prior approval granted by RSC  
  - Containers should be stored in secondary containment to control leaks/spills |

**Prohibited Items (Contact Radiation Safety prior to generating waste to make special arrangements):**

- Hazardous materials including lead & mercury
- Biohazard bags or other hazardous materials markings
- Sharps including needles & razor blades
- Animal waste including excreta, carcasses, tissue

*Contact Radiation Safety at 4-6238 or radsaf@auburn.edu to arrange for pickup*

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