








# Radioactive Waste

Submit radioactive waste disposal requests at EHS Assist.

For non-standard or questionable material, contact Radiation Safety prior to scheduling a pick-up.

*\*Limit weight of each box to 30lbs or less.*

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| <p><b>DRY SOLID</b><br/>Used gloves, bench pads, stock vials, microcentrifuge tubes, dry glass, etc.</p>  <p>EHS provides boxes. Other boxes may be used, but must be labeled as containing radioactive material.</p> <p>Broken glass, razor blades, and other “sharps” should be boxed separately and marked as containing sharps. Syringes must go into a rigid plastic container or other container specifically designed for sharps.</p> | <p><b>BULK LIQUID</b><br/>Buffer, bulk scintillation cocktail, etc.</p>  <p>EHS provides 2 gallon plastic jugs.</p> <p>If the material being collected cannot be safely stored in plastic containers contact EHS before you determine an alternative container to use.</p>                                   | <p><b>SCINTILLATION VIALS</b><br/>Scintillation cocktail</p>  <p>It is preferable that the boxes and trays that the vials were delivered in be used to dispose of them. If the vials did not come in trays then double-line a cardboard box with plastic liners to store them in. Boxes will be labeled as containing radioactive material.</p> <p>It may be necessary to recount vials. Storing them right-side up until they are to be disposed of is preferred.</p> | <p><b>CARCASSES</b><br/>Animal carcasses</p>  <p>Carcasses should be triple wrapped per experiment before being put in a box.</p> <p>Boxes should be labeled as containing radioactive material.</p> <p>Keep boxes frozen until time of pick up.</p> |
| <p><i>All radioactive material to be picked up should be sealed prior to the request being submitted. The container should have the isotope(s) present listed on it. The pick-up request shall contain isotope(s), activities, and results of contamination surveys of all containers to be picked up.</i></p>  |   |   |   |
| <p><b>DE MINIMIS WASTE</b><br/>H-3 and C-14 only; activities <math>\leq 0.05 \mu\text{Ci}/\text{mL}</math> of scintillation cocktail or <math>\leq 0.05 \mu\text{Ci}/\text{g}</math> of animal carcass</p> <p><b>DRY SOLID</b><br/>Never qualifies as de minimis</p>  | <p><b>BULK LIQUID</b><br/>Scintillation cocktail only</p>  <p>Package as above. The containers do not have to be marked as radioactive. Each container should have an appropriate de minimis verification form (RS 16, RS-17, or RS-18). Contamination surveys of each container need to be performed.</p> | <p><b>SCINTILLATION VIALS</b><br/>Scintillation cocktail</p>   | <p><b>CARCASSES</b><br/>Animal carcasses</p>   |