

Uranium Waste

PACKAGING, LABELLING AND DISPOSAL OF URANIUM AND THORIUM COMPOUNDS

DESCRIPTION OF WASTE STREAM

Uranium waste consists of solids and liquids contaminated with uranium (and thorium) compounds such as uranyl acetate, uranyl nitrate, uranyl formate, thorium nitrate, etc.

HOW TO...

Store in Lab

Uranyl acetate and similar compounds are generally licensed, however any liquid or solid waste must be disposed of as radiological waste.

For contaminated solids, designate an appropriate sized container in a secure area (back of a fume hood in a locked lab). Label the container with a "Caution Radioactive Material" sticker.

Store contaminated liquids in an appropriate strong plastic container in secondary containment. Keep the waste container close to your work area to minimize chance of spilling. When not working, place waste in a posted and secure storage area. Liquid waste containers must always be properly labelled, and securely closed when not in use.

Label Waste

Ensure container is properly labelled with information about the Uranium or Thorium compound, concentrations and a "Caution Radioactive Materials" sticker.



Uranium Compounds

DISPOSAL

Due to toxicity element of most Uranium and Thorium compounds, liquid waste may be designated as **Mixed Waste**. Labs planning or concerned about generating uranium waste must consult with Radiation Safety for disposal pricing, guidelines and alternative options.

Uranium and Thorium solid waste, powders or crystals will be collected by Radiation Safety for disposal.

To arrange a waste pick-up of long lived waste complete the online [Waste Collection Form](#).

For questions about Radioactive Waste, contact EH&S at 206.543.0463.