Read below for information about safe packaging, labeling and disposing of radioactive aqueous liquid waste.

**DESCRIPTION**

Liquid waste consists of aqueous liquid containing radioactive material within a pH range of 6-9.

Aqueous liquid may not contain chemical that are specifically listed, or exhibit characteristics of flammability, corrosivity, reactivity or toxicity.

**STORE**

Bulked liquid should be stored in a strong plastic container. Place the container in secondary containment with absorbent pad lining. Label containers with a radioactive sticker (see photo).

Segregate waste by isotope and ensure short-lived liquid waste (materials with a half-life of less than 120 days) are stored in a separate container. Short lived liquid waste may be disposed after 10 half-lives and the waste is surveyed to determine that radioactivity is indistinguishable from background.

**LABEL**

Ensure container is properly labelled with information about the liquid, concentrations, isotope(s), activity, and a “Caution Radioactive Materials” sticker.

**DISPOSE**

Contact Radiation Safety to arrange for disposal of liquid waste by completing complete a [Radioactive Waste Collection Request](#).

Disposal through Radiation Safety is the preferred method, however labs are allowed to dispose of a limited amount of aqueous liquid in the sewer. Authorized labs are granted a sewer allowance each quarter:

- H-3: 1,000 µCi
- C-14: 200 µCi
- I-125: 100 µCi

Records of all sink disposals must be maintained by each PI, and all sinks that are used for the disposal of liquid waste must be labelled. Liquid scintillation fluid is not considered aqueous and should always be collected by Radiation Safety and not disposed of via sewer.

Please contact EH&S Radiation Safety at 206.543.0463 or radsaf@uw.edu for more information.