



CHEMICAL WASTE DISPOSAL

Environmental Health and Safety (EHS) manages the disposal of chemical waste for main campus. The **Chemical Waste Program** collects and processes chemical waste from campus labs and shops in compliance with federal and state regulations. The waste is processed for disposal in the most environmentally sound and cost-effective method available.

EHS uses a chemical waste tracking software to schedule chemical waste pickup from on-campus facilities. This online program works in real-time, so it processes chemical waste pickup requests in the order in which it is received.

How do I register my lab for waste pickup?

Send an email to chemdisposal@tamu.edu with the following information:





- Principle Investigator (PI) Name (or person responsible for the area)
- Email address and phone number
- University or Agency (i.e. AgriLife, TEEX, TTI, etc.)
- Department (i.e. Chemistry, Biology, etc.)
- Building and room number

Note: Each lab that produces chemical waste will need to be registered. If a PI is dual funded, please provide that information.

Note:

Each lab or shop **must be** registered prior to a waste disposal request.

Chemical Waste Hazards

	Ignitable	Flash point <140 or readily ignites and burns vigorously (e.g. Alcohols, Ethers, Acetic Acid)
	Corrosive	Aqueous waste with a pH of ≤ 2 or ≥ 12.5 (e.g. Sulfuric Acid, Sodium Hydroxide)
	Reactive	Unstable under "normal" conditions (e.g. Lithium-Sulfur Batteries, Sodium Metal, Reactive Cyanides and Sulfides)
	Toxic	Harmful or fatal when ingested or absorbed, contains toxic metals or pesticides, or may pollute ground water (e.g. Lead, Mercury, Benzene, Methyl Ethel Ketone)

Note: Even if a chemical waste does not fit in the top three categories, it will usually be considered "Toxic."

Contact Information

For questions, email chemdisposal@tamu.edu
or call (979) 845-3498



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Requirements for Chemical Waste Disposal

Below describes the waste disposal process, from choosing a waste container, tagging waste, and requesting waste disposal.

Step 1: Selection of Waste Container

The waste container should be clean, dry, and compatible with the chemical waste and shippable.



Examples of 5 gal containers with a lid used to collect chemical waste.

Step 2: Original Container Label

Deface or remove original container label so that previous contents are not readable. Label as "Hazardous Waste," – this is to prevent confusion as to the contents.

Step 3: Hazardous Waste Disposal Tags



Attach the Waste Tag Using a string or wire, attach the disposal tag to each new waste container when the first chemical is added. Print the information on the tag legibly.

Identifying Contents As the new waste is added, consider the compatibility of the constituents in the waste container with the new waste (acid-base, reactives, and oxidizer-fuels) before adding. **Do not** mix "incompatible waste." Keep the lid to container closed when not adding waste. **Do not** fill up to the rim of the container, **please allow for expansion.**

Chemical Contents List each waste constituent once, including any water. Mark the hazard associated with the waste (ignitable, corrosive, reactive, or toxic).

Step 4: To request a chemical waste pickup, complete the EHS chemical waste form at tx.ag/chemdisposal and submit.