

Environmental Health & 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 the **Dakota** 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 **<u>ChemDisposal@tamu.edu</u>** 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.

Chemical Waste Hazards		
*	Ignitable	Flash point <140 or readily ignites and burns vigorously (e.g. Alcohols, Ethers, Acetic Acid)
A STATE	Corrosive	Aqueous waste with a pH of \leq 2 or \geq 12.5 (e.g. Sulfuric Acid, Sodium Hydroxide)
	Reactive	Unstable under "normal" conditions (e.g. Lithium-Sulfur Batteries, Sodium Metal, Reactive Cyanides and Sulfides)
J	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."		

Note: Each lab or shop **must be** registered prior to a waste disposal request. Login credentials and the **Dakota Chemical Waste Tracking Software User Guide** will be provided during the registration process.

Contact Information For questions, email <u>ChemDisposal@tamu.edu</u> or call (979) 845-3498



CHEMICAL WASTE DISPOSAL

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 orginal 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



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

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 constiuents 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.

Step 4: Request disposal of chemical waste through the *Dakota* program.