

National Cheng Kung University Department of Environmental Engineering Temporary Storage Instructions for Laboratory Solid Waste

1. Waste generated from experiments in each laboratory shall be preserved according to the following principles:
 1. If sampling instruments such as plastic droppers and syringes used in experiments contain residual volatile or corrosive liquids, they must be rinsed thoroughly with tap water. Syringe needles must be protected with a plastic cap.
 2. Petri dishes used in experiments must be properly sterilized and stored at room temperature for one week to confirm the absence of biological growth.
 3. All types of laboratory containers used in experiments must be washed clean and air-dried (no residual liquid or solid material is allowed). Containers that previously held volatile substances, such as GC vials, must be sealed separately in a zipper-lock bag.
 4. All experimental waste intended for temporary storage (including the items mentioned above) must be adequately packed in cardboard boxes. After inspection and approval, the containers may be sealed. Packing requirements: based on the weight and density of the contents, boxes must not be overloaded or damaged and must be manageable for two people to carry easily.
2. Each laboratory shall transport infectious experimental waste designated for temporary storage to Room 47501, 5th floor, Rear Building, during designated open hours. Laboratories must accurately complete the Experimental Waste Temporary Storage Application Form. After inspection and approval by the departmental waste manager, an adhesive label shall be affixed to the **top** of the cardboard box before temporary storage is permitted. The application form is attached as an appendix. **Room 47501** is open on the first Friday of each month at 10:00 AM.
3. These guidelines only provide **temporary storage space** for departmental experimental waste. If during storage the waste emits odors, leaks, deforms, or poses other hazards, the responsible laboratory must immediately dispatch personnel to remove it. When the department receives notice of unified disposal from the university, each laboratory must also assign personnel to assist with transportation.
4. These guidelines do not cover empty chemical bottles and discarded glassware. (Chemical bottles must be cleaned and air-dried; glassware waste must be broken and properly packaged, then returned through the chemical supplier for recycling.)