

Roger Adams Laboratory Jerrican Program

DRS operates a focused collection program for solvent and oil disposal at the Chemistry Department in Roger Adams Laboratory (RAL). The program is designed for laboratories that generate more than one Jerrican of solvent or oil waste every two weeks and collect their waste in jerricans. Use the regular ChemTrak waste pick up program (using CWM-TRK-01 and CWM-TRK-03 forms) for other waste streams. Under this program, jerricans will be collected from RAL laboratories on Tuesdays and Fridays. Empty Jerricans in good condition will be returned the next business day.

Please send an email to cws@illinois.edu if you have questions.

Procedures for the Program:

1. Mark jerricans used for this program with a unique number and location of use. The numbers are used to match up containers with the correct CWM-TRK-05 forms. These numbers are usually placed on blue or green luggage tags. For example, John Doe's lab might tag their jerricans as: JD-1, JD-2, JD-3, etc. along with the room number, 123 RAL.
2. Use a separate copy of the CWM-TRK-05 form for each jerrican. Each time waste is added to a jerrican, make a record on the corresponding CWM-TRK-05 form. Since many chemicals are repeatedly added over time, the chemical name should be listed once and each addition should be recorded in the "Approximate Amounts Added" field. The chemical names do not need to be in any particular order on the form, but chemicals that make up 1% or more of the jerrican volume must be recorded.
3. Drop off CWM-TRK-05 forms in the drop box located in the RAL nitrogen room. The deadline is Monday at 10:00 am for Tuesday pickup and Thursday at 10:00 am for Friday pickup.
4. **Collect only oil, non-halogenated and halogenated solvents in jerricans.** Absolutely **NO** heavy metals (As, Ba, Cd, Cr, Pb, Hg, Se, Ag), extremely toxic chemicals or basic wastes (pH \geq 12.5). Aqueous acidic waste (hydrochloric acid, sulfuric acid, etc.) should also be collected separately. All of these wastes should be processed through the regular ChemTrak program.
5. DRS will return empty jerricans to the laboratories the following business day. Be sure to have the room number written on each Jerrican.

Points to note:

- The waste generator must identify the waste in each container so that they can be managed appropriately. This is critical for University compliance with EPA regulations and the safety of DRS personnel.
- Anyone who generates chemical waste should be trained in chemical management for laboratories (including the Lab Standard and Chemical Waste management).
- Do not put more than 10 liters of waste in a jerrican. Ten liter jerricans are preferred and if a 20 liter jerrican is used, it can only be filled half full.
- DRS will refuse any jerrican that visually that does not match what is listed for collection. Cracked, damaged or overfilled jerricans may also be refused.

- If a problem arises with waste in a jerrican (e.g., it reacts when poured into a waste drum), the Jerrican will have to be lab-packed for disposal and will not be returned. The most common reason for this is improper identification of the chemicals in the Jerrican on the CWM-TRK-05 form.
- No Jerrican will be collected unless a CWM-TRK-05 form was submitted.
- Always **be prepared** to know what to do if something should cause a **rupture, leak or other emergency** while using a Jerrican. Accidents DO happen. If you are prepared, you can minimize the injury and/or damage that can result.
- **CWM-TRK-05 forms and form instructions** are available [online](#)