

New Chemical Hazardous Waste Management Requirements for Work Areas [Support Document]

DEHS is communicating two specific changes that directly impact work areas that use chemicals and generate chemical hazardous waste. Any work area that generates chemical hazardous waste is identified as a "Hazardous Waste Satellite Accumulation Area (SAA)". These two changes include (#1) chemical waste collection container labeling and (#2) update to University emergency preparedness plans to include location of SAAs.

#1 Chemical Waste Collection Container Label

All chemical hazardous waste collection **containers must be marked with the words "Hazardous Waste" and an indication of the hazard(s) of the contents** (e.g. "Flammable", "Corrosive", "Toxic", "Oxidizer", etc.)The hazard(s) can be described with word(s) or OSHA pictogram(s). The new labeling requirement is for waste containers designated to collect used chemical waste. Acceptable examples include:



To assist personnel in meeting this new requirement, DEHS has posted acceptable Hazardous Waste Container Label templates on the DEHS web-site. These templates are appropriately sized and can be printed to attach to a chemical waste collection container. Prior to re-purposing an empty chemical container to collect waste, DEHS recommends that the container be rinsed with water and the original chemical labeling be removed or completely covered by the new hazardous waste container label.

Instructions for the Chemical Hazardous Waste Container Label Templates

Option A:

1. Purchase Avery 5168 label (label size 3 ½ " x 5", 4 labels per sheet) or Avery 5164 label (label size 3 1/3 " x 4", 6 labels per sheet).
2. Select appropriate DEHS hazardous waste container label template, download pdf.
3. Place label sheet in printer and select print.

OR

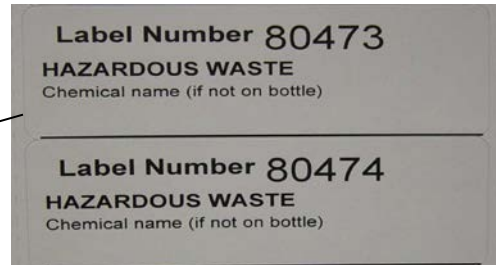
Option B:

- Select label template, download pdf, print, cut, and attach label with clear tape to chemical waste container.

For any expired or unwanted chemical in its original container declared as waste, lab personnel need only attach the DEHS uniquely numbered hazardous waste label. Personnel should attach the numbered label in such a way as to not completely cover the chemical name and indication of hazard word or pictogram, please view following example:



DEHS numbered hazardous waste labels



To obtain DEHS numbered hazardous waste labels, personnel can visit on HSC Campus the DEHS Radiation Safety Office in Library Commons Room 102 (across from the HSC Campus Mail drop slots), please call ahead to 852-5231 to ensure someone is in to receive you OR Belknap Campus DEHS administration office reception desk at 1800 Arthur St OR contact Cathy Price at 852-2956, email cathy.price@louisville.edu , to receive by Campus Mail.

To ensure personnel can readily recall all requirements for SAA hazardous waste management, remember the **Four Ls**:

- **L** Location – chemical hazardous waste must be collected at, or near, the process generating the waste (i.e. kept in the same room it is generated).
- **L** Label – chemical hazardous waste container must be labeled with the words “Hazardous Waste + chemical constituent(s) + indication of hazard”.
- **L** Lid – keep lid securely closed on chemical hazardous waste container, unless adding waste to the container.
- **L** Limit – an SAA cannot accumulate/store more than 50 gallons of non-acute hazardous waste or 1 quart of acute toxic hazardous waste.

#2: Update University Emergency Preparedness Plan to include Location of SAAs

Emergency preparedness and prevention provisions apply to areas where hazardous waste is generated and accumulated, this includes satellite accumulation areas (SAAs). DEHS must update the University’s chemical emergency preparedness plan, also referred to as “contingency plan”. Some elements in this plan that are deemed critical to local responders when an emergency is occurring at an SAA include:

- 1) An estimated maximum amount of chemical hazardous waste.
- 2) The types of chemical hazardous wastes
- 3) Any special hazard(s) [that may require unique treatment by medical staff]
- 4) SAA after-hours contact information

By **May 15, 2018** the Principal Investigator (PI) or Supervisor, or authorized designee, of any SAA must complete and submit the **DEHS All Hazard Lab Door Sign** template located on the DEHS web-site, hyperlink <http://louisville.edu/dehs/biosafety/documents/forms-documents/biohazard-sign-request-word> . Upon receipt of the completed template, **DEHS** will create, laminate and assure that each door listed on the door sign is posted with the all hazard sign by June 1st.

If you have any questions regarding this information, please contact DEHS staff - Cathy Price at 852-2956, email cathy.price@louisville.edu or Tim Mulliger at 852-2830 or t0mull02@louisville.edu .