

## **Waste Management Procedures for Use of Eraser Company Products Used for Wire Stripping**

### **Introduction**

This procedure is to provide requirements and guidelines for the management of hazardous wastes generated from a process that uses special chemicals and techniques for stripping electrical wire insulation and for cleaning wire surfaces. Part of this procedure is based on specific regulatory requirements under California Hazardous Waste Control regulations. Users are instructed on how to properly handle and manage the waste in terms of these regulations.

Additional requirements and guidance will be needed in terms of safe use and handling of the chemicals during process operations. Because hazardous wastes are also chemicals, there will be some overlap in these procedures with SLAC's chemical health and safety plans. Users are instructed to work with their ES&H Coordinator to assure safe use and handling for all aspects of the chemicals used in this process.

### **General of Process Activities and Hazardous Waste Generation**

Based on Eraser Company product instruction, a brief rundown of the process activities and waste generation procedures are highlighted as follows:

1. Dip Strip is melted in a heated pot, approximately 20 ml, to a temperature in the range of 500 to 730 degrees Fahrenheit.
2. The item to be stripped is immersed into the melted Dip Strip to remove wire insulation. (Avoid contact of the melted Dip Strip with water to prevent splattering.)
3. After it has lost its stripping ability, the cooled, solidified Dip Strip is neutralized in accordance with Eraser Company instructions using Dip Strip Neutralizer and in accordance with the following hazardous waste control requirements:
  - a. Place cooled Dip Strip in a 500- or 1000 ml poly container and neutralizing solution. (The waste container will be supplied by Waste Management and labeled **Spent Dip Strip and Waste Neutralizing Solution.**)
4. Place Alkaline Debris (e.g., Dip Strip Packaging) in a lined 5- gal. metal hazardous waste container labeled **Spent Alkaline Debris** (supplied by SLAC Waste Management)
5. Place Spent Acid Wipes (from the Dip Strip) in a lined 5- gal. metal hazardous waste container labeled **Spent Acid Debris** (supplied by SLAC Waste Management)
6. Place Solvent Solids and Flux (from No Clean Flux wipes, empty container, other) in a lined 5-gal. metal hazardous waste container labeled **Solvent Solids and Flux.**

### **Special Instructions/Notes**

**The neutralization of the Dip Strip with Neutralizing Solution is an accepted practice not requiring a permit when performed for the purpose of research. The 2 gal In-Process Neutralization tank is well under the 18 gallon limit that requires Department of Toxic**

**Substances Control review and does not require a hazardous waste treatment permit. Confirmation that a treatment permit is not required was done through DTSC. For questions call Richard Cellamare, Waste Management, x3401.**

**Some requirements to assure working within regulatory requirement for hazardous waste containers and treatment:**

- **Keep all hazardous waste containers closed except when adding waste.**
- **Keep container labels visible and request label replacement from Waste Management if damaged.**
- **Keep waste containers in a secured area and inspect on a weekly basis for leaks, spillage, labeling, and general housekeeping.**
- **Have a plan and materials for cleaning up and preventing spills.**
- **WM will pick up the wastes in the containers every 45 days in accordance with SLAC Hazardous Waste procedures.**
- **For delivery of empty hazardous waste containers, or removal of hazardous waste containers, or if the containers need to be emptied or replaced, complete a Hazardous Waste Pickup/Empty Container Request Form <http://www-group.slac.stanford.edu/esh/forms/hazpickup.pdf> and call WM for assistance at x2399**
- **When requesting pickup of a container, please provide the Waste Id. Number on the above Request form.**
- **As a custodian of the waste, please make sure your training is up to date, Waste Management Course 105 for first time or Waste Management Annual Refresher Course 105R if you are qualified for annual refresher training.**
- **If you have others managing the waste in the work area, they will need similar training requirements.**