

### **3.14.2 Research/Educational Institutions: Fine Arts**

*Tip Sheet #1*

**WASTE ORIGIN:** Arts, Theater Arts, Scenery, Printing Shops

**WASTE TYPES:** Oil-based Paints, Acids, Solvents, Metals in Glazes, Inks, Silver, Developing, and Fixing Chemicals

**WASTE REDUCTION AND RECYCLING METHODS:**

- ! Eliminate **oil-based paint** use; replace with water-based paint.
- ! Use proper **spray paint techniques** (e.g., use high transfer efficiency guns; overlap spraying pattern by 50 percent; maintain a distance of 6-8" from work piece; hold gun perpendicular to surface; trigger the gun at the beginning and end of each stroke).
- ! Use fully-enclosed **gun cleaning** station.
- ! Reuse **cleanup solvent** as thinner for next compatible batch of paint.
- ! Use **less hazardous cleaners** (e.g., biodegradable aqueous or detergent cleaners).
- ! Recover photographic **silver**.
- ! Eliminate use of **lead-based glaze**.

**Sources:**

*Guides to Pollution Prevention: Research and Educational Institutions*, U.S. EPA, Office of Research and Development, June 1990, EPA/625/7-90/010.

*Hazardous Waste Minimization Self-Assessment Guide for Vocational Institutions, Colleges and Universities*, Wisconsin Department of Natural Resources, Hazardous Waste Minimization Program.