

3.14.3 Research/Educational Institutions: Maintenance and Industrial Arts

Tip Sheet #1

WASTE ORIGIN: Maintenance/Industrial Arts/Other Vocational Course Shops

WASTE TYPES: Stains, Degreasing Solvents, Solvents, Oil, Wood Preservatives, Grease, Dyes, Pesticides, Ketones, Paints, and Metal Dust

WASTE REDUCTION AND RECYCLING METHODS:

- ! Eliminate **oil-based** paint use; replace with water-based paint.
- ! Use proper **spray paint techniques**.
- ! Standardize **machine oil**.
- ! Use and manage water-based **cutting fluids**.
- ! Use alkalize or less hazardous **solvent degreasers**.
- ! Keep **vapor degreaser** covered.
- ! Operate **degreaser** properly.
- ! Avoid **unnecessary cleaning** of parts.
- ! Use **two-stage cleaning** (use dirty solvent for initial cleaning, fresh solvent for final cleaning).

Sources:

Guides to Pollution Prevention: The Paint Manufacturing Industry, U.S. EPA, Risk Reduction Engineering Laboratory, Center For Environmental Research Information, June 1990, EPA/625/7-90/005.

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.