

# Checklist for Carpentry and Wood Construction Departments

Items/Processes of Concern	Toxic Metal	Dangerous Waste	Preferred Alternatives and Best Management Practices <sup>1</sup>
Glues, epoxies, adhesives		X	<ul style="list-style-type: none"> <li>• <b>Use low or no solvent adhesives if possible, such as hot melt, heat seal, aqueous-based, or polyvinyl alcohol (PVA) adhesives.</b></li> <li>• Evaluate your gluing operations to determine if too much is being mixed.</li> </ul>
Painting, staining, lacquers	X	X	<ul style="list-style-type: none"> <li>• <b>Use water-based coatings with the least amount of volatile organic compounds and hazardous air pollutants possible.</b></li> <li>• <b>Use coatings that do not have meal-based pigments.</b></li> <li>• <b>Use efficient spray equipment, such as high-volume low-pressure (HVLV), airless, or air-assisted to reduce coating usage.</b></li> <li>• Reuse paint mixing cups and use metal mixing sticks (be sure to clean them before the paint dries).</li> <li>• Consider investing in a weight scale to accurately measure paint recipes in the smallest amounts necessary for the job.</li> <li>• Use paint leftovers for equipment setup and spray pattern testing.</li> <li>• Label and store leftover basecoats. Seal container tightly and store upside-down to prevent air from entering.</li> <li>• Apply stains and lacquer with sponge, brush, rag, or roller instead of spray.</li> <li>• Apply light color finishing materials first, followed by darker, when possible.</li> </ul>
Solvents, paint thinner, paint strippers		X	<ul style="list-style-type: none"> <li>• <b>Use non-chlorinated solvents and thinners.</b></li> <li>• <b>Use methyl alcohol (methanol) for paint stripping.</b></li> <li>• Use a spray bottle or plunger can to deliver solvents where they are needed.</li> <li>• Segregate solvent wastes, distill, reuse, or dispose of as dangerous waste.</li> <li>• Use solvents until they lose their effectiveness, as opposed to when they look dirty.</li> <li>• Extend solvent life by filtering solids.</li> </ul>
Wood bleaches		X	<ul style="list-style-type: none"> <li>• <b>Use two-part bleaches instead of chlorine bleach.</b></li> </ul>
Wood working	X	X	<ul style="list-style-type: none"> <li>• <b>Use non-chlorinated solvents.</b></li> <li>• Implement dust collection system to reduce air emissions and increase equipment life.</li> <li>• Keep wood wastes clean and segregated by type to enhance recycling opportunities.</li> </ul>

<sup>1</sup> Preferred alternatives are shown in **bold font**.

Items/Processes of Concern	Toxic Metal	Dangerous Waste	Preferred Alternatives and Best Management Practices <sup>2</sup>
<b>General</b>			
General inventory			<ul style="list-style-type: none"> <li>• Use <b>Environmentally Preferable Purchasing</b>.</li> <li>• Review Material Safety Data Sheets (MSDS) for hazardous substance information.</li> <li>• Properly store hazardous substances.</li> <li>• Review curriculum for potential hazardous substance reductions.</li> </ul>
All generated waste streams	X	X	<ul style="list-style-type: none"> <li>• <b>Use chemical inventory and tracking software to centralize product ordering, improve product tracking, storage requirement, waste management, reduce disposal of expired product, and minimize duplicate orders to prevent unnecessary disposal.</b></li> <li>• Identify all potential waste streams and establish designation procedures to determine if a hazardous waste or non-hazardous waste.</li> <li>• Implement dangerous waste designation, collection, accumulation, and disposal procedures for all waste streams. See <a href="#">Common Dangerous Waste Compliance Issues</a>.</li> </ul>
Spilled products			
Unused and expired products			
Batteries	X	X	<ul style="list-style-type: none"> <li>• <b>Use rechargeable batteries.</b></li> <li>• <b>Use LED lamps when appropriate.</b></li> <li>• <b>Use low-mercury fluorescent lamps.</b></li> <li>• <b>Remove and/or replace mercury-containing equipment</b> and recycle as <a href="#">Universal Waste</a>.</li> <li>• Implement a battery recycling program and recycle as <a href="#">Universal Waste</a>.</li> <li>• Implement a whole-lamp recycling program and recycle as <a href="#">Universal Waste</a>.</li> <li>• If not recycled as Universal Waste: collect, manage and dispose of as dangerous waste.</li> </ul>
Fluorescent lamps			
Mercury-containing equipment			
Other:			

## Notes, Comments, Follow-up

<sup>2</sup> Preferred alternatives are shown in **bold font**.

# Resources

**Common Dangerous Waste Compliance Issues:** [http://www.ecy.wa.gov/programs/hwtr/P2/schoolsAndLabs/tool/dw\\_issues.html](http://www.ecy.wa.gov/programs/hwtr/P2/schoolsAndLabs/tool/dw_issues.html)

**Construction and Demolition Waste:** [http://www.ecy.wa.gov/programs/hwtr/dangermat/demo\\_debris\\_constr\\_materials.html](http://www.ecy.wa.gov/programs/hwtr/dangermat/demo_debris_constr_materials.html)

**Dangerous Waste Basics:** [http://www.ecy.wa.gov/programs/hwtr/manage\\_waste/DangerousWasteBasics.html](http://www.ecy.wa.gov/programs/hwtr/manage_waste/DangerousWasteBasics.html)

**Environmental Preferable Purchasing: Recycled Paint** <https://fortress.wa.gov/ecy/publications/SummaryPages/0804010.html>

**Find a Hazardous Waste Service Provider:** <http://apps.ecy.wa.gov/hwsd/default.htm>

**Paint and Coatings:** [http://www.ecy.wa.gov/programs/hwtr/dangermat/paint\\_index.html](http://www.ecy.wa.gov/programs/hwtr/dangermat/paint_index.html)

**Shop Guide for Dangerous Waste Management:** <https://fortress.wa.gov/ecy/publications/SummaryPages/0904015.html>

**Treatment by Generator:** <http://www.ecy.wa.gov/programs/hwtr/P2/schoolsAndLabs/tool/TBG.html>

**Universal Waste Rule for Batteries, WAC 173-303-573(2):** <https://fortress.wa.gov/ecy/publications/SummaryPages/98407a.html>

**Universal Waste Rule for Lamps, WAC 173-303-573(5):** <https://fortress.wa.gov/ecy/publications/SummaryPages/98407c.html>

**Universal Waste Rule for Mercury-containing Equipment, WAC 173-303-573(3,4):** <https://fortress.wa.gov/ecy/publications/SummaryPages/98407b.html>

**Waste Designation:** <http://www.ecy.wa.gov/programs/hwtr/designation/>