

**ACTIVITY HAZARD ANALYSIS
 APAPALCHICOLA MARITIME MUSEUM BOATBUILDING SCHOOL**

**Date: 10/17/2012
 Rev. 1, 10/27/2012**

Applicability: AMM Shop Activities

Activity	Potential Hazards	Control Measures
Material and equipment handling and movement	Cuts, abrasions, bruises, broken bones	<ul style="list-style-type: none"> * Wear gloves when handing heavy items or items with sharp edges, burrs, or sharp corners. * Use dollies or other material handling equipment or request assistance when moving items weighing greater than 50 pounds or bulky, unwieldy, or unbalanced objects. * Wear closed-toe footwear.
	Slips, trips and falls	<ul style="list-style-type: none"> * Ensure the route is free of tripping hazards. * Use care when negotiating narrow aisles and corners to prevent pinch points, impacts.
	Splinters	<ul style="list-style-type: none"> * Use gloves when handling large pieces of wood.
Power tool usage	Objects in eye(s)	<ul style="list-style-type: none"> * Wear safety glasses or goggles when drilling, cutting, etc. * The shop supervisor may require the wearing of eye protection at other times as necessary.
	Cuts, abrasions	<ul style="list-style-type: none"> * Exercise care when using power tools. * Unplug all tools when changing bits, blades, sanding belts, etc. * Remove the battery from battery-powered tools before changing bits, blades, sanding belts, etc.

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Power tool usage (continued)	Dust creation	<ul style="list-style-type: none"> * The primary ventilation system will be operation when sawing sanding, grinding, or any other activity that produces fine particles is in progress. * When using portable sanders a vacuum will be connected to the sander dust outlet an willbe used to collect dust. * Dust will be swept or vacuumed up and disposed of at the end of each workday.
	Dust ingestion, inhalation.	<ul style="list-style-type: none"> * The primary ventilation system will be operation when sawing sanding, grinding, or any other operation that produces fine particles is in operation. * When using portable sanders a vacuum will be connected to the sander dust outlet and will be used to collect dust OR the sander dust collection bag will be attached. * A dust mask will be worn when sanding, grinding, or any other activity which produces fine dust is in progress. * Eating in the shop is prohibited while dust-generating activities are in progress. * All drinks must be in closed containers (no open cups or cans).
	Hearing loss	<ul style="list-style-type: none"> * Earplugs will be worn when circular saws and power sanders are in use. The shop supervisor may require the use of earplugs at other times.

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Power tool usage (continued)	Fires	<ul style="list-style-type: none"> * An inspected ABC fire extinguisher shall be in the shop at all times. * Power tools shall not be used when flammable chemicals are being used.
	Electrical shock	<ul style="list-style-type: none"> * Inspect all power and extension cords before use. * Do not use any damaged power or extension cord.
Use of flammable materials and chemicals	Fires	<ul style="list-style-type: none"> * An inspected ABC fire extinguisher shall be in the shop at all times. * Flammable chemicals will not be stored in open containers. * Flammable chemicals will be stored in an approved cabinet. * Rags and other waste materials which contain flammable chemicals or which were used to cleanup up flammable chemicals will be placed in the outside waste container when generated and will not be allowed to accumulate in the shop. * Combustible waste materials must be disposed of at the end of each workday (exception: brush cleaners may be kept in closed containers until spent). * Any work that may generate a spark may not be done while flammable chemicals are in use. * The primary ventilation system will be in operation when flammable chemicals are being used.

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Use of two-part epoxies	Skin contact	<ul style="list-style-type: none"> * Rubber gloves must be worn when using two-part epoxies. * When the potential for contact by lower and upper arms is present protective sleeves will be worn. * Immediately wash hands and lower arms after using two-part epoxies.
	Inhalation of fumes	<ul style="list-style-type: none"> * The primary ventilation system will be in operation when two-part epoxies are in use.
	Inhalation of dust from cured epoxies	See Power Tool Usage - Dust Generation, Dust Inhalation
	Ingestion	<ul style="list-style-type: none"> * Eating and drinking while using epoxies is prohibited.
Use of toxic chemicals	Inhalation of fumes	<ul style="list-style-type: none"> * The primary ventilation system will be in operation when toxic chemicals are in use. * Only one toxic chemical may be in use at any time.
	Skin contact	<ul style="list-style-type: none"> * Rubber gloves or other gloves suitable for the chemical will be worn. * Wash hands and lower arms immediately after using toxic chemicals.

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Use of toxic chemicals (cont.)	Eye contact	* Goggles will be worn when handling toxic chemicals.
	Ingestion	* Eating in the shop is prohibited while toxic chemicals are in use. * All drinks must be in closed containers (no open cups or cans).
Use of paints and varnishes	Inhalation of fumes	* The primary ventilation system will be in operation when toxic chemicals are in use. * Paints and varnishes will be stored in closed containers at all times when not in use.
	Fires	* An inspected ABC fire extinguisher shall be in the shop at all times. * Paints and varnishes will be stored in closed containers at all times when not in use.
	Skin contact	* Wash hands and lower arms immediately after using paints and varnishes.
	Ingestion	* Eating in the shop is prohibited while paints and varnishes are in use. * All drinks must be in closed containers (no open cups or cans).

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Use of hand tools	Cuts, abrasions	<ul style="list-style-type: none">* Exercise care when handling and using hand tools.* Use hand tools only for their intended use.* Do not use excessive force which could cause the tool to break or deform.
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