

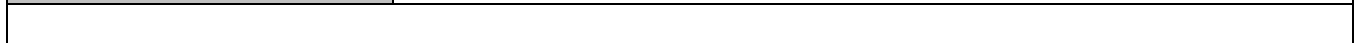
# SIUE CONCRETE CANOE FABRICATION

# Job Safety Analysis



<b>JOB/TASK NAME</b> Concrete Canoe Fabrication	<b>DATE</b> 8/13/2017
<b>JOB TITLE PERFORMING THE JOB/TASK</b> Students	<b>TEAM CAPTAINS</b>
	<b>SAFETY OFFICERS</b>

<b>REQUIRED PERSONAL PROTECTIVE EQUIPMENT</b>	Safety glasses, face shield, gloves, work boots/shoes, dust protection, hearing protection
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**EQUIPMENT / TOOLS REQUIRED FOR JOB** (Complete Tool Inspection Prior to Start of Job):

Hand tools, grinders, sanders, electrical tools.

JOB STEPS		POTENTIAL HAZARDS	HAZARD CONTROL METHOD
1.	Safety training	<ul style="list-style-type: none"> <li>a. Dust</li> <li>b. Eye</li> <li>c. Noise</li> <li>d. Heavy objects</li> </ul>	<ul style="list-style-type: none"> <li>• All team participants study and agree and abide by CE department policies, lab safety rules and manufacturers' instructions</li> </ul>

2.	Housekeeping	<p>a. Slips, trips, falls</p> <p>b. Fire</p> <p>c. Tool Conditions</p> <p>d. Sharp Objects</p>	<ul style="list-style-type: none"> <li>• Keep work area clean and clear of debris.</li> <li>• Be aware of everything going on around.</li> <li>• Keep an eye on fellow workers and alert them of any potential risk/harm.</li> <li>• Clean work area after work is complete.</li> <li>• Always sign in/out tools being used outside the designated work area.</li> </ul>
3.	Tools and Equipment	<p>a. Cut/Burn</p> <p>b. Electrical Hazards</p> <p>c. Noise levels</p>	<ul style="list-style-type: none"> <li>• While tools or equipment are being used properly fitted personal protective equipment must be worn by the operator and others in the area.</li> <li>• Before use of any powered equipment or tool, a thorough inspection must be completed to insure proper working condition. Make any proper necessary corrections before use of the equipment.</li> <li>• Do not use equipment or tool that is damaged beyond repair or has any safety features missing (guards). Report damaged tool/equipment to team captain or safety advisor for "DO NOT OPERATE" tag.</li> <li>• Portable power equipment shall be unplugged when not in use.</li> <li>• All power cords shall be inspected before the cord or tool is used, periodically while being used, and when work with the cord or equipment is done for the day. Any damaged cord must be taken out of service immediately.</li> <li>• All cord connected equipment shall be connect to properly protected GFCI circuit.</li> <li>• Ensure that clothing is dry and all liquid spills are cleaned up immediately.</li> </ul>

4.	Fabrication	<p>a. Dust</p> <p>b. Skin exposure to Portland cement and admixtures</p> <p>c. Noise</p> <p>d. Heavy objects</p>	<ul style="list-style-type: none"> <li>• All work shall be done in a way that minimizes creating airborne dust;</li> <li>• Engineered dust controls and equipment shall be used whenever operations are conducted that could results in creating airborne dust;</li> <li>• PPE for dust protection shall be worn when engineered dust controls are not able to adequately control airborne dust;</li> </ul> <ul style="list-style-type: none"> <li>• wear latex, nitrile or other gloves suitable for the materials being used;</li> <li>• wear splash goggles when working with materials that could splash onto the skin</li> <li>• wash areas of skin exposed immediately soon as possible should contact with cement or other admixtures occurs and before leaving the work area;</li> </ul> <ul style="list-style-type: none"> <li>• when using or if in the area in close proximity to anyone using powered sanding or grinding equipment wear hearing protection (i.e. earplugs, earmuffs, etc.)</li> </ul> <ul style="list-style-type: none"> <li>• Ensure that a sufficient number of able-bodied people are available before attempting to move the canoe or other heavy objects.</li> <li>• Wear sturdy shoes.</li> <li>• Keep area clear of wet spills, excessive dust, tools or other trip hazards.</li> </ul>
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