SIUE EB0044 MATERIAL TESTING LABORATORY

Job Safety Analysis

JOB/TASK NAME					DATE				
EB0044 MATERIAL TESTING LABORATORY					12/22/2011				
JOB TITLE PERFORMING THE JOB/TASK									
	uctors, Teaching As								
PROTECTIVE EQUIPMENT work being of experiment processing of the second s			es, gloves, work boots/shoes as required by the particular done. See detailed instructions in individual laboratory procedure handouts for Personal Protective Equipment certain operations.						
EQUIPMENT / TOOLS REQUIRED FOR JOB (Complete Tool Inspection Prior to Start of Job):									
Instron universal load frame, Tinius-Olsen load frame, Tinius-Olsen torsion test machine.									
		POTENTIAL HAZARDS		HAZARD CONTROL METHOD					
1.	Safety Training	See items listed below	1)	must have sa the following a) General I b) Laborato	actively engaged in laboratory activities afety training. The training shall include g parts: Laboratory Rules bry Experiment Procedures protective equipment (PPE)				
2.	Housekeeping	a. Slips, trips, falls b. Dust	2) 3) 4)	Be aware of	rea clean and clear of debris and liquids. everything going on around you. on fellow workers and alert them of any k/harm.				
3.	Attire	a. Cuts, abrasions b. Entanglement	5)	All persons in cutting operaglasses. Eye protection destructive to protect point and they	n the area where sanding, grinding, ations are occurring must wear safety on shall also be worn when doing				

7) No open-toe shoes are allowed in the lab.

			8)	Long pants must be worn whenever there is risk that heavy or sharp or abrasive materials could pose a risk of injury.
			9)	Do NOT wear loose clothing or jewelry that could be caught or entangled in machinery.
			10)	Tie back long hair wear headwear to prevent long hair that be caught or entangled in machinery.
3.	Tools and Equipment	a. Cut/Burn b. Electrical Hazards c. Pinch points	11)	While certain tools or equipment are being used properly fitted personal protective equipment must be worn by the operator and others in the area.
			12)	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.
			13)	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.
			14)	Portable power equipment shall be unplugged when not in use.
			15)	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.
			16)	Do not use or touch electrical equipment if water or other fluids are on the equipment, the floor around it, or your clothes are wet
			17)	If while operating the equipment or power tool a circuit breaker trips for any reason, the instructor, lab TA or other qualified person must determine the cause and correct it before resetting the breaker.
			18)	Only authorized, trained persons may operate the Instron load frame and Tinius-Olsen load frame.
			19)	Before turning the load frame power ON or OFF, or causing the load frame crosshead to move, announce "Clear Loadframe" or similar warning to let everyone in the area know and also visually inspect the load frame area to be sure no one is in harm's way.