JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

DEPARTMENT OF MECHANICAL ENGINEERING OPERATING A WATER JET

	Таѕк	HAZARDS	CONTROLS
1.	Assess work area; is it clear of obstructions and slip/trip/fall hazards?	• Slip, trip, or fall	• Remove any obstructions or slip/trip/fall hazards. Maintain a dry floor.
2.	Load material into machine	 Lacerations to hands from material and or support slats Pinching/crushing hazards between material and machine Muscle strain 	 Wear leather gloves when loading material Keep hands free from pinch points Ask for assistance in placement of the material if it is heavier than 25 pounds or is an awkward shape.
3.	Secure material using clamping system	Pinching hazards	• Keep hands free from pinch points
4.	Operate machine	 Lacerations to hands/fingers from the jet Pinching/crushing hazard to user by machine Excessive noise levels Flying water and abrasive debris in eyes 	 Keep hands away from the nozzle when in operation Avoid machine operation area when machine is in motion Wear hearing protection and ensure the nozzle is submerged under water when operating Always wear safety glasses when operating the machine
5.	Remove parts and leftover material from machine	 Lacerations to hands/fingers from the support slats Pinching/crushing hazards Muscle strain Slipping on water that has been discharged from the machine 	 Wear gloves when removing parts Keep hands free from pinch points Ask for assistance in placement of the material if it is heavier than 25 pounds or is an awkward shape. Always dry up the areas where water has landed on the floor.

	Required Training:	Required Personal Protective Equipment (PPE)	
	Student Shop Safety Training Program	Leather gloves, safety glasses	
	Must complete additional training under guidance of a qualified Student Shop Laboratory Mechanician		
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