

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

FACILITIES SERVICES USING A PIPE THREADER

TASK	HAZARDS	CONTROLS
1. Check cutting oil and clean the catch pan.	Slips	Control oil contact with the floor. Wear non-slip shoes. Clean up spills. Use a floor covering or absorbent such as kitty litter.
	Skin or eye injury from the cutting oil in the reservoir	Use nitrile gloves. Use a vacuum cleaner to clean the catch pan. Wear eye protection.
2. Feed the pipe into the sleeve.	Hand injury while sliding the pipe through.	Wear leather gloves or similar protection.
	Muscle strain	Position pipe without reaching over the threader.
3. Clamp the pipe in place.	Hand injury	Wear leather gloves or similar protection. Keep your foot out of the foot safety switch. Don't tighten the clamp while the machine is running.
4. Ream pipe.	Hand injury	Don't drop the reamer on your hand while positioning the reamer.
5. Load the appropriate cutting die.	Hand injury	Keep hand away from the die.
		Don't clean the die or the pipe end with your hands. Don't start the machine until the die is set.
6. Start the threader.	Injuries due to clothes catching on the threader	Don't wear loose clothing while operating the threader. Keep your gloved hands away from the die and the pipe.

		Skin or eye injury from the cutting oil being delivered to the pipe.	Use nitrile gloves. Wear eye protection.
7. Feed the die.		Metal debris projectiles	Wear long sleeved shirt, gloves, and face
		Burns from metal debris	Wear long sleeved shirt, gloves, and face shield.
8. Release the die.		None foreseen	
9. Retract the die.		None foreseen	
10. Wipe excess oil and metal debris from the pipe.		Hand injury from rotating threads	Wear gloves and don't touch the rotating threads. Use a steel brush or similar instrument to clean the threads.
		Injuries due to clothing catching on the threader	Don't wear loose clothing while operating the threader. Keep your gloved hands away from the rotating pipe.
11. Loosen and pull the pipe.		Hand injuries from interaction with the pipe vise.	Remove foot from the safety switch, flip the switch off, and ensure the pipe has stopped rotating. Wear gloves.
		Hand injuries from interaction with the pipe vise	Remove foot from the safety switch, flip the switch off, and ensure the pipe has stopped rotating. Keep your fingers (gloved) away from the vise jaws.
Required Training:		Required Personal Protective Equipment (PPE)	
<ol style="list-style-type: none"> 1. Training in the operation of the pipe vise 2. Proper lifting techniques 		<ol style="list-style-type: none"> 1. Nitrile gloves 2. Leather (or similar gloves) 3. Eye protection 4. Face shield 5. Long sleeved shirt 	
<p>Other Information: Contributors: EH&S Specialist Gary Bayne; Lead Plumber Mike Salcido Created: November 2002 JSA Library Number: FS-05</p> <p>For more information about this JSA, contact the <i>Office of Environment, Health and Safety</i> at UC Berkeley, 317 University Hall #1150, Berkeley, CA 94720-1150 (510) 642-3073 ● http://www.ehs.berkeley.edu</p>			

