

# JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

## FACILITIES SERVICES

### PIPE CUTTING USING THE PIPE THREADER

TASK	HAZARDS	CONTROLS
1. Check cutting oil and clean the catch pan.	Slipping hazard	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 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. Support the back end of the pipe.
4. Ream pipe (if necessary).	Hand injury	Don't drop the reamer on your hand while positioning the reamer.
5. Set the cutter.	Hand injury	Wear gloves. Keep your hands away from the pipe.
6. Start the threader/cutter.	Injuries due to catching the clothing	Don't wear loose clothing while operating the threader/cutter.
		Keep your gloved hands away from the pipe.

		Skin or eye injury from the cutting oil being delivered to the pipe.	Use nitrile gloves. Wear eye protection. Wear long-sleeved shirt, gloves, and face shield.
		Foot or leg injuries from dropping the cut piece of pipe.	Support the pipe before beginning the cut.
	11. Loosen and pull the pipe out the back or feed it in for another cut.	Hand injuries from sharp ends.	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.
	<b>Required Training:</b> 1. Training in the operation of the pipe threader/cutter 2. Proper lifting techniques	<b>Required Personal Protective Equipment (PPE)</b> 1. Nitrile gloves 2. Leather (or similar) gloves 3. Eye protection 4. Face shield 5. Long sleeved shirt	
<b>Other Information:</b> <b>Contributors:</b> EH&S Specialist Gary Bayne; Lead Plumber Mike Salcido <b>Created:</b> November 2002 <b>JSA Library Number:</b> FS-04  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 ● <a href="http://www.ehs.berkeley.edu">http://www.ehs.berkeley.edu</a>  <i>The development of Job Safety Analyses is a Balanced Scorecard initiative of the AVC-BAS Safety Committee, sponsored by the Associate Vice Chancellor-Business and Administrative Services (AVC-BAS) and the AVC-BAS Leadership Team ● <a href="http://bas.berkeley.edu/balancedscorecard">http://bas.berkeley.edu/balancedscorecard</a></i>			