|  | **JOB SAFETY ANALYSIS** | | |
| --- | --- | --- | --- |
|  | Safety Information for the University of California, Berkeley | | |
|  | **Facilities Services** | | |
|  | **Lathe Operations** | | |
|  | **TASK HAZARDS CONTROLS** | | |
|  | 1. Working on the lathe | Pinch points, entanglement, rotating parts, amputations, cuts, scrapes, burns, flying debris, air embolism | Perform a visual inspection before starting  Make sure coolant levels are good, if applicable  Do not wear loose clothing  Do not wear gloves while using the lathe. Gloves are only allowed while handling the material. Gloves may get caught in rotating parts and cause serious injuries.  Tie long hair.  No jewelry  Wear safety glasses  Face shields recommended but not required.  Make sure job is clamp tight  Remove the chuck key when not in use  Remove all tools from the bed and slides  Use the correct speed needed for process  Never leave the equipment running unattended  Do not attempt to slow or stop the chuck or revolving work by hand  Use a chip hook or appropriate tool to clear chips. Do not use bare hands.  Keep both hands and body behind the controls compound rest at all times  Do not lean against the lathe. Your clothes may get caught in the lead screw and feed rod  Keep your hands away from the chuck, quill, and headstock  Activate the E-Stop once work is done to prevent accidental start  De-energize equipment when servicing.  If using an air compressor to clean the lathe, do not use the air compressor to clean yourself.  Ensure proper guards are in place |
|  | 2. | Noise | Wear hearing protection |
|  | 3. | Slips, trips, and falls | Wear slip resistant boots  Clean up liquid spills and splashes  Remove trip hazards before start up |
|  | 4. | Coolant splash | Use the splash shield  Wear safety glasses  Goggles are recommended, or safety glasses with face shields |
|  | **Required Training:** | **Personal Protective Equipment (PPE)**  Safety glasses required  Hearing protection required  Face shield or goggles are recommended | |
| **Other Information:** |  | | |
| **Contributors:** | Eric Lausen - Facilities Services Manager  Hoanhni Nguyen - Facilities Safety Specialist | | |
| **Created:** | October 2022 | | |
| **JSA Library Number:** | (EH&S will insert number here, if applicable) | | |
|  | For more information about this JSA, contact the Department Safety Coordinator. | | |