

Foreman/Supervisor's Signature: _

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Date:	Company Name:			Job Site Locatio	on:		
Topic 410: Metal Lathe Safety Introduction: Metal lathes and their moving parts create the possibility for workplace injuries whenever they are used. Providing safeguards is essential for eliminating or controlling the hazards. Following these safeguards can help protect workers from being injured: General Machine Safety Requirements: Employers must ensure that all personnel who operate metal lathes are properly trained in their safe operation and maintenance, and that all required personal protective equipment is available and used. Employers and employees must ensure that all saferty devices, systems, controls, and guards are in place, secure, and operating before assigning any employees to operate the machine, or operating the machine. **Mack sure employees working around dangerous machines are protected from slipping on smooth, oily, or otherwise slippery floors by providing one of the following types of floor covering: **Non-slip matting:** **Craining:** *Non-slip composition flooring:** **Non-slip matting:** **Craining:** *Non-slip composition flooring:** *Some other effective floor treatment.** **Ensure that each machine has a control that both stops the machine and can be reached by the operator without leaving the operator's position.** **The operator must be able to easily reach all machine controls without reaching into a hazardous area of the machine.** **Ensure that each machine has a control that both stops the machine and can be reached by the operator without leaving the operator's normal work position and other hazards own k areas, be kept in a good working, and have to be manually reset before a machine can be restarting would create a hazard for ormolyment of the machine and the standard or engine or increasing the power source.** **Installing a more powerful motor.** **					visor:		
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Employers must ensure that all personnel who operate metal lathes are properly trained in their safe operation and maintenance, and that all required personal protective equipment is available and used. Employers and employees must ensure that all safety devices, systems, controls, and guards are in place, secure, and operating before assigning any employee to operate the machine, or operating the machine. Male sure employees working around dangerous machines are protected from slipping on smooth, oily, or otherwise slippery Hoors by providing one of the following types of floor covering: Ensure that lathes are secured to the floor or base so they will not move or change position during use. Prevent excessive machine vibration that could create a hazard to employees. Keep bearings free from lost motion and well lubricated. Ensure that each machine has a control that both stops the machine and can be reached by the operator without leaving the operator's position. The operator must be able to easily reach all machine controls windout reaching into a hazardous area of the machine. Ensure floot-operated controls are located or guarded so that unintentional movement to the "ON" position is unlikely. Machines must not automatically restart when power is restored after a power failure, if restairing would create a huzard for employees. Emergency stop controls, if required, must be red in color, easily reached from the operator's normal work position and other hazardous work areas, be kept in a good working, and have to be manually reset before a machine can be restained as huzardous work areas as kept in a good working, and have to be manually reset before a machine can be restained as huzardous work areas. Next print motor. * Changing or ticreasing the power source. * Changing attachment size or type, such as the lade. Ensure that work areas actual machinery are designed with enough space so that employees condition include: * Installa work areas actual machine and the way of passing traffic. * In provide	for eliminating or contro	olling the hazards. Fol	parts create the possibility	for workplace injuries v	whenever they are used.	Providing safeguards	is essential
■ Provide shields or guards on metal lathes for chip or coolant hazards - Provide a permanent shield or other equally effective guard to prevent chips or coolant from being thrown or splashed on the operator, aisle, or other assigned work area. Make sure employees' hands do not contact chips that are being produced. Chips may be removed using tools, pullers, or brushes. ■ Safeguard work-holding devices (chucks) - Provide a fixed or movable guard, such as an awareness barrier or peripheral cover, over areas exposed to the operator on work-holding devices or chucks when: ■ It is in the clamped mode and has parts that extend beyond the outside diameter of the chuck. ■ It has an irregular shape to the periphery of its body. ■ Safeguard power-clamping devices - Protect the operator from the hazards of material being thrown when the clamping device does not have adequate pressure to hold the material. Examples of safeguarding methods include: ■ Retaining covers that contain the workpiece if it falls or flies out from the clamped work-holding device. ■ Restrain extended workpieces on horizontal lathes - Safeguard employees from the hazards of work pieces that extend beyond the edges of the horizontal lathe by: ■ Restraining work pieces as needed to prevent whipping ■ Isolating work pieces with an awareness barrier, guard, or railing. Conclusion: Computer numerically controlled (CNC) lathes save labor and help avoid injury by preventing the amount of operator contact with the working operations associated with metal lathe operations. Follow the above guidelines for safety in metal lathing work. Work-Site Review Work-Site Hazards and Safety Suggestions: Personnel Safety Violations: (My signature attests and verifies my understanding of and agreement to comply with, all company safety policies	■ Employers must en operation and main Employers and em secure, and operatin Make sure employ or otherwise slippe ★ Non-slip mattin Ensure that lathes could create a haza Ensure that each in The operator must Ensure foot-opera Machines must no Emergency stop co hazardous work and ★ Installing a more Ensure that work in the operate tools and ★ Installing a more Ensure that work in the poes not have ★ Is provided encounter the counter that work in the counter that wor	resure that all personnatenance, and that all reployees must ensure to apployees must ensure to a pees working around down from the floor of the flo	required personal protective hat all safety devices, systems are progressively employee to operate the angerous machines are progressively employee to operate the angerous machines are progressively employees. The form of the following types. Non-slip composition for or base so they will not provide be provided by the machine that both stops the machine all machine controls with all machine controls with the door guarded so that uning the working, and have to be a fir rated speed. Actions that Changing or increasing the trace of the provided with enough the machine of the provided and clutter at all time cedures before performing from the machine.	we equipment is available tems, controls, and guarde machine, or operating of tected from slipping on es of floor covering: flooring. * Some other move or change position and well lubricate and can be reached be thout reaching into a haztentional movement to the first a power failure, if reached from the operate manually reset before a at could cause an over-specific power source. * tell power source. * t	the and used. It is are in place, the machine. In smooth, oily, ther effective floor treatment during use. Prevent exted. It is a possible to the machine of the machine is unlike the "ON" position is unlike the prevention of the machine can be restarted peed condition include: Changing attachment is perator:	eaving the operator's hine. ikely. hazard for employees on and other	position.
	■ Provide shields or chips or coolant from that are being productions of the safeguard work-hone cover, over areas explicitly it is in the cland that are like in the cland that are l	guards on metal lather on being thrown or spuced. Chips may be resolding devices (chuck xposed to the operator mped mode and has pular shape to the peripelamping devices - Propes not have adequate ers that contain the wellamped work-holding workpieces on horizor: rk pieces as needed to numerically controlled ociated with metal lather ad Safety Suggestion lations:	es for chip or coolant haz blashed on the operator, ais emoved using tools, puller as) - Provide a fixed or more on work-holding devices arts that extend beyond the obery of its body. Otect the operator from the pressure to hold the mater or kpiece if it falls or flies device. In the operator from the operator from the operator of the operator from the operator from the operator from the operator from the operator. Safeguard end (CNC) lathes save labor the operations. Follow the a work ins:	ssle, or other assigned we see, or brushes. Evable guard, such as an evaluation or chucks when: The evaluation of the	awareness barrier or persecutive. ing thrown when the parding methods include audible warnings that are the operator in the normal there is no pressure on ords of work pieces that every preventing the amounterty in metal lathing workers.	ripheral eripheral eripher	be seen or the operator actuator. ges of the or railing. with the
	Employee Signati	ures:					

These guidelines do not supercede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.