

University of Tennessee Knoxville
Job Hazard Analysis and Personal Protective Equipment Assessment

Instructions for Supervisors: Please review all applicable Job Hazard Analysis forms with your employee. The forms are categorized by job task.

Hazard Analysis:

Circular Saw

Task	Hazard	Cause	Prevention
General Use	Inhalation	Dust/particles generated during machine operation	Appropriate natural ventilation, disposable respirators, automatic vacuum machine
	Eye Injury	Projectiles	Safety glasses with side shield or appropriate safety goggles
	Trauma	Projectiles, rotating parts, point of operation, ingoing nip joints, flying chips & sparks	Situational awareness, PPE, protective clothing, machine guards, proper material support, side stance
	Foot Injury	Drop object on foot	Safety shoes
	Hand Injury	Point of Operation, ingoing nip points, rotating parts, flying chips and sparks	Machine guards, trigger release, blade clutch, situational awareness
	Head Protection	Projectiles	Safety glasses minimum
	Fire	Heat, sparks	Appropriate placed fire extinguisher, remove all combustibles and fire hazards from area
	Electrical Shock	Improper grounding, improper operations and maintenance	Lockout/tagout, proper grounding of frame, manufacturer's instructions strictly followed

PPE Required:

- Safety Shoes/Boots
- Safety glasses/goggles
- Face Shield (optional) disposable Respirators (optional)
- Hearing Protection

This document serves as the Personal Protective Equipment (PPE) Certification document required to satisfy the federal requirements of the Occupational Safety and Health Administration (OSHA) Standard, 29 CFR 1910.132 Subpart I- Personal Protective Equipment. This certifies that a hazard assessment of workplace hazards has been performed. Signatures for the certification are on file in the Environmental Health and Safety Department office. For questions and more information about this document, please contact EHS at 974-5084 or safety @utk.edu.

April W. Case

EHS Team Leader General Safety

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