

**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:

**Radial Arm Saw**

<b>Task</b>	<b>Hazard</b>	<b>Cause</b>	<b>Prevention</b>
General Use	Inhalation	Dust/particles generated during machine operation	Appropriate natural ventilation, respirators, automatic dust collector
	Eye Injury	Projectiles	Safety glasses with side shield or appropriate safety goggles
	Trauma	Projectiles, rotating parts, point of operation, in-going nip points, flying chips & sparks	Situational awareness, PPE, protective clothing, machine guards
	Foot Injury	Drop object on foot	Wear safety shoes
	Hand Injury	Point of Operation, in-going nip points, rotating parts, flying chips & sparks	Gloves, machine guards, situational awareness
	Head Protection	Projectiles	Face Shield (optional)
	Fire	Sparks	Appropriate placed fire extinguisher, remove all combustibles and fire hazards from machine area
	Noise	Machine operation	Hearing protection
	Electrical Shock	Improper grounding, improper operations and maintenance	Proper grounding of frame, manufacturer's instructions strictly followed

**PPE Required:**

- Protective Clothing (optional)
- Safety Shoes/ Boots
- Safety Glasses w/side shields/Goggles
- Respirators (when needed)
- Face Shield (optional)
- Gloves
- 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.

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