

JOB HAZARD ANALYSIS

Safety Information for Southern Illinois University Edwardsville

FACILITIES MANAGEMENT

OPERATING A BENCH GRINDER OR GRINDER/WIRE WHEEL

TASK	HAZARDS	CONTROLS
1. Inspect the position of the tool rests and condition of the wheels, and guards.	Loose or poorly adjusted tool rests create pinching hazards.	De-energize unit, adjust and tighten rests and guards while wearing work gloves.
	Cracked or broken wheels create projectile hazards.	Inspect wheels and confirm that they are not cracked or broken.
2. Turn on grinder.	Broken pieces of wheel striking operator.	Stand off to side of grinder and allow it to come to full speed. Wear goggles or face shield when working with metal or plastic, and goggles, face shield or safety glasses when working with wood.
3. Grind object.	Abrasions and burns to hands and fingers.	Wear abrasion resistant work gloves and keep hands away from wheels.
	Flying sparks and debris striking operator.	Wear goggles or face shield when working with metal or plastic, safety glasses, goggles or face shield when working with wood.
	Pinch to fingers and hand	Wear work gloves and keep hands and fingers away from pinch points.
	Electrical shock.	Inspect power cord before use, repair or replace damaged cords.
	Hearing loss.	Wear NIOSH/OSHA approved ear muffs or ear plugs.

	Required Training:	Require Personal Protective Equipment (PPE)
	Operation of Grinder (supervisor responsibility). Operation manual.	<ol style="list-style-type: none"> 1) Wear goggles or face shield when working with metal or plastic, and goggles, face shield or safety glasses when working with wood. 2) Abrasion resistant work gloves. 3) NIOSH/OSHA approved ear muffs or ear plugs. 4) Work boots meeting the requirements of the Facilities Management Safety Shoe Program.
<p>Other Information:</p> <p>Contributors:</p> <p>Created:</p> <p>JHA Library Number:</p>	<p>Manufacturers manual</p> <p>SIUE Job Hazard Analysis Committee</p> <p>September 2016</p> <p>(EM&S will insert number here, if applicable)</p> <p>For more information about this JHA, contact Emergency Management and Safety, Campus Box 1657, (618) 650-3584 • www.siu.edu/emergencymanagement</p>	