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**Injury & Illness Prevention Program
 Job Safety Analysis**

Task: OPERATING A PORTABLE CIRCULAR SAW

Tools: Chop saw, rotary tool, adjustable handle saw, miter saw, portable band saw, router, tile saw, gas powered cut off saw, walk behind saw

Required PPE:

1. Safety Glasses, Goggles, or Face Shield (whichever is appropriate for work being performed)
2. Dust Mask (or N95 Respirator voluntarily with some exceptions) →
3. Safety Shoes or Boots
4. Earmuffs or Earplugs with an NRR rating of 30 dB or higher
5. Work Gloves (only wear when handling blade, not when operating)

Silica-containing material: N95 Respirator or greater REQUIRED when using the following: handheld power saws while indoors/enclosed area or walk behind saw when outdoors.

Required Training:

- Read, understand, and follow manufacturers safety instructions
- Lockout/Tagout (LOTO)
- Respiratory Protection (if use is required)
- Personal Protective Equipment
- Respirable Crystalline Silica (if working with silica-containing material)
- Hearing Conservation
- Machine Guarding
- Hand and Power Tools

TASK	HAZARDS	CONTROLS
Prepare Saw for Use	Hand Injuries	<ul style="list-style-type: none"> • Ensure power is turned off • Make sure guard is in place and properly secured • Adjust and tighten blades and guards as needed • Avoid contact with blade teeth – wear work gloves to handle blade
Preparing & Handling Materials	Splinters, Cuts, Abrasions	<ul style="list-style-type: none"> • Keep fingers and hands away from pinch points • Wear long pants to protect legs from cuts, splinters, and abrasions
Operating Saw	Bodily Injury	<ul style="list-style-type: none"> • Keep fingers and hands away from blade - ensure guard is in place. • Tie back long hair and secure all loose clothing • Wear safety shoes or boots
	Eye Injury	<ul style="list-style-type: none"> • Wear safety glasses, goggles, or face shield (whichever is appropriate for work being performed)
	Respiratory Irritation	<ul style="list-style-type: none"> • Wear dust mask or N95 respirator (depending on material being sawed)
	Hearing Damage	<ul style="list-style-type: none"> • Use earmuffs or ear plugs

Procedure for Malfunctioning or Broken Equipment	Bodily Injury	<ul style="list-style-type: none">• Obtain Accident Prevention Tag. Mark equipment "Do Not Use" and specify problem or hazard• Whenever possible isolate power source so equipment cannot be used. (Lockout/Tagout)• Notify shop and/or take equipment to shop
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