

# FORMAL HAZARD ASSESSMENT

TITLE: Operating Non-Powered Handheld Tools					FHA #: 004						
Positions Considered:			Assessment Team:	Assessment Team:			Date Created:	November 4, 2022			
Management			Marissa Crawford			Revision #:					
Supervisors Workers			Joshua Hill Ewan Cassidy			Last Revision Date:					
				Raw Risk Rating					Residual Risk Rating		
Tasks	Health	Safety	Hazards Associated with Task  Identify hazards (as applicable) presented by; operations, equipment, vehicles, materials, products, working conditions and environment.	Severity	Probability	Overall Risk Rating	Controls  Wating  Consider the Hierarchy of Controls.		Severity	Probability	Overall Risk Rating
		x	Worker Injury Due to Defective Tools	2	2	Adm: Pre-Use Inspections. Preventative Maintenance Program. Manufacturer's Specifications, User Manuals, Worker Training/ Competency Program. Remove defective tools from inventory a mark for Lock Out / Tag Out.  PPE: Safety Hard Hats, Fire-Resistant Clothing with High Visibil Stripes, Safety Eyewear, Hearing Protection, Protective Footwer Hand Protection / Gloves (as required).		ser Manuals, Worker Training/ defective tools from inventory and sistant Clothing with High Visibility g Protection, Protective Footwear,	2	1	2
Pre-Operation and Selection and Use of Proper Hand Tools		x	Improper Equipment Handling Causing Injury	2	2	4		New Worker Orientation sistant Clothing with High Visibility g Protection, Protective Footwear,	2	1	2
			Lifting Awkward and Heavy Loads Causing Strain	2	2	4	Eng: Adm: SWP Ergonomics, Ergo	nspections, New Worker	2	1	2



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							<b>PPE:</b> Safety Hard Hats, Fire-Resistant Clothing with High Visibility Stripes, Safety Eyewear, Hearing Protection, Protective Footwear, Hand Protection / Gloves (as required).			
		x	Clutter in Warehouse Resulting in Trips and Falls	2	2	4	Eng: Shelving units for equipment storage and organization.  Adm: Housekeeping, Pre-Use Inspections, New Worker Orientation.  PPE: Protective Footwear, Hand Protection / Gloves (as required).	2	1	2
Transporting Hand Tools to and From Worksite		x	Dropped Object Causing Worker Injury	3	2	6	Eng: Barricade zones below higher work levels to prevent personnel from walking into the line of fire of a dropped object. Toe boards. Netting.  Adm: Safe Lifting Procedures. Cargo Securement. Signage and/ or ground person. Tool tethers or mesh. Housekeeping. Snow, ice and foreign object removal. Inspections. Worker Training / Competency Program. New Worker Orientation. Use of Hand Tool Lanyards.  PPE: Safety Hard Hats, Fire-Resistant Clothing with High Visibility Stripes, Safety Eyewear, Hearing Protection, Protective Footwear, Hand Protection / Gloves (as required).	3	1	3
		x	Dropped Object Causing Damage to Equipment	3	2	6	Eng: Barricade zones below higher work levels to prevent personnel from walking into the line of fire of a dropped object. Toe boards. Netting.  Adm: Safe Lifting Procedures. Cargo Securement. Establish active working zones and restrict access to pathways/walkways below work (flagging, tagging, signage, ground person, netting). Tool tethers or mesh. Housekeeping. Snow, ice, and foreign object removal. Inspections. Worker Training / Competency Program. New Worker Orientation. Use of Hand Tool Lanyards.  PPE:	3	1	3
	x		Exertion Causing Fatigue	2	2	4	Eng: Dolly Use / Mechanical Assists  Adm: Adequate Amounts of Rest, Stretch and Take Frequent Breaks, Work / Rest Cycle, Job Rotation, SWP Ergonomics, Ergonomics Training Program  PPE: Safety Hard Hats, Fire-Resistant Clothing with High Visibility Stripes, Safety Eyewear, Hearing Protection, Protective Footwear, Hand Protection / Gloves (as required).	2	1	2
Operation and Use of Handheld Tools	x		Physical Injury (Crush)	3	2	6	Eng: Adm: Avoid contact with sharp edges. Ensure proper hand placement on tool is used. Pre-Use Inspection. New Worker Orientation and Training / Competency Program.	2	2	4



					<b>PPE:</b> Safety Hard Hats, Fire-Resistant Clothing with High Visibility Stripes, Safety Eyewear, Hearing Protection, Protective Footwear, Hand Protection / Gloves (as required).			
x	Injuries to Eyes from Flying Debris	3	3	9	Eng: Guards/barriers.  Adm: New Worker Orientation and Training / Competency Program. Pre-Use Inspection.  PPE: Safety Hard Hats, Fire-Resistant Clothing with High Visibility Stripes, Safety Eyewear, Hearing Protection, Protective Footwear, Hand Protection / Gloves (as required).	3	1	3
x	Awkward Working Positions and Body Posture	3	2	6	Eng: Adm: Pre-Use Inspection. SWP Ergonomics, Ergonomics Training Program, Signage, Housekeeping, Pre-Use Inspections, New Worker Orientation, Two-Worker Carry. Safe Lifting Procedures.  PPE: Fire-Resistant Clothing with High Visibility Stripes, Protective Footwear, Hand Protection / Gloves (as required).	2	2	4
X	Tissue Compression from Forceful Grips	3	2	6	Eng: Adm: Pre-Use Inspection. Avoid contact with sharp edges. Ensure proper hand placement on tool is used. Check the tool for tightness and condition. Check handle for cracks, wood slivers, and / or grease and oil. SWP Ergonomics, Ergonomics Training Program, Signage, Housekeeping, Pre-Use Inspections, New Worker Orientation, Training / Competency Program.  PPE: Safety Hard Hats, Fire-Resistant Clothing with High Visibility Stripes, Safety Eyewear, Hearing Protection, Protective Footwear, Hand Protection / Gloves (as required).	2	2	4
X	Improper use of Tools Causing Cuts/Abrasions	3	3	9	Eng: Adm: Pre-Use Inspection. Avoid contact with sharp edges. Ensure proper hand placement on tool is used. Check the tool for tightness and condition. Check handle for cracks, wood slivers, and/or grease and oil. New Worker Orientation and Training / Competency Program.  PPE: Safety Hard Hats, Fire-Resistant Clothing with High Visibility Stripes, Safety Eyewear, Hearing Protection, Protective Footwear, Hand Protection / Gloves (as required).	2	2	4
x	Splinters / Metal Burrs	3	2	6	Eng: Adm: Pre-Use Inspection. Inspect tools for cracks, wood slivers, burrs, and/or grease and oil. Check the tool for tightness and	2	2	4



					condition. Safe Tool Handling Procedures. New Worker Orientation and Training / Competency Program. <b>PPE:</b> Safety Hard Hats, Fire-Resistant Clothing with High Visibility Stripes, Safety Eyewear, Hearing Protection, Protective Footwear, Hand Protection / Gloves (as required).			
X	Improper Use / Handling of Tools Causing Pinched Hands or Fingers	3	2	6	Eng: Adm: Pre-Use Inspection. Refer to Manufacturer's Specifications or User Manuals. Avoid contact with sharp edges. Ensure proper hand placement on tool is used. New Worker Orientation and Training / Competency Program.  PPE: Safety Hard Hats, Fire-Resistant Clothing with High Visibility Stripes, Safety Eyewear, Hearing Protection, Protective Footwear, Hand Protection / Gloves (as required).	2	2	4
X	Bodily Injury due to Improper Tool Use	3	2	6	Eng: Adm: New Worker Orientation and Training / Competency Program. Pre-Use Inspection. Refer to Manufacturer's Specifications or User Manuals. Only use the tools for their designed purpose – do not alter a tool unless the manufacturer recommends it. Avoid contact with sharp edges. Ensure proper hand placement on tool is used. ERP. Preventative Maintenance Program.  PPE: Safety Hard Hats, Fire-Resistant Clothing with High Visibility Stripes, Safety Eyewear, Hearing Protection, Protective Footwear, Hand Protection / Gloves (as required).	2	1	2



## **Risk Matrix**

#### Severity

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		1 - Minor	2 - Moderate	3 - Major
Probability	3 - Very Likely	Medium 3	High 6	Extreme 9
opal	2 - Unlikely	Low 2	Medium 4	High 6
<u>~</u>	1 - Rare	Low 1	Low 2	Medium 3

**Probability** pertains to the extent of how likely it is for the risk to occur.

The 3 risk rating levels for this component are:

- 1. Rare unlikely to happen or has never happened.
- 2. **Unlikely** has the possibility to happen or has happened at least once.
- 3. **Likely** almost sure to happen or has happened multiple times.

**Severity** is to determine the level of effects that the hazard could cause.

The 3 risk rating levels for this component are:

- 1. **Minor** can cause injuries/illnesses requiring first aid or negligible property damage.
- 2. **Moderate** can cause moderate injuries/illnesses requiring medical aid or moderate property damage.
- 3. **Major** can cause irreversible injuries/illnesses or fatality or may cause serious property damage.

#### **Overall Risk Rating**

#### Severity x Probability = Overall Risk Rating

**Low** - no further action needed; proper control measures are in place.

**Medium** – proceed with caution and monitor at regular intervals.

**High** – must be reviewed and reassessed prior to work proceeding.

Extreme - work must be stopped until adequate controls have reduced hazard to an acceptable level.

### FORMAL HAZARD ASSESSMENT REVIEW SIGNOFF

FORMAL HAZARD ASSESSMENT:	
DEPARTMENT:	
DATE OF REVIEW:	

**Disclosure:** by signing this formal hazard assessment review record I hereby acknowledge that I have participated in the review of this hazard assessment and understand the tasks, hazards, and controls as they written. I agree that I participated in the review of the hazard assessment and understand the engineering, administrative and personal protective equipment that I must use to protect myself from conducting tasks associated with this hazard assessment.

ATTENDEES								
PRINT NAME	POSITION	SIGNATURE						