Appalachian National Scenic Trail JOB HAZARD ANALYSIS (JHA) References-FSH 6709.11 and -12 OSHA		1. WORK PROJECT/ACTIVITY HAND TRAIL TOOL MAINTENANCE IN SHOP 3. NAME(S) OF ANALYST(S)		2. LOCATION Trail Wide	Includes work performed on lands of National Park Service, and various states' park and lands	
				4. Work Supervisor	5. DATE PREPARED	
(Instructions on Reverse)		Keith Stegall		Various	05/31/2019	
Required Standards and General Notes:	Knowledge of cutt	Knowledge of cutting tool edge angles. Appropriate sharpening and repair procedures				
Required Personal Protective Equipment	Gloves, long sleeves, Eye protection (certain tasks), Ear protection (certain tasks), dust protection (certain tasks)					
Tools and Equipment		nder, sandpaper, first aid kit, fire extinguisher				
Available Training	Tool care & recond	ditioning; Crosscut Saw Sharpening; USFS Video: An Axe to Grind				
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7. TASKS/PROCEDURES		8. HAZARDS, POTENTIAL HAZARDS / INJURY SOURCE	9. ABATEMENT ACTIONS OR PROCEDURES Engineering Controls * Substitution * Administrative Controls * PPE			
Sharpening cutting edge of tools (using bastard mill file or grinder)		Cutting hands or arms with tool	 Wear cut resistant or leather gloves and long sleeves. Use handle on file. 			
		Grinder throws sparks and metal filings	 Wear eye and ear protection. Set up disk guard on grinder. Wear work apron. Know your facilities evacuation plan, including a meetup location. Ensure appropriate fire extinguisher is present, has been inspected, and is properly located. Ensure smoke detectors are in working condition. Ensure that the appropriate means of ingress/egress are available and sufficiently marked and lighted at all times. 			
		Tool moves during sharpening	• Se	cure tool firmly held in vise or jig.	•	
		Eye, back, or neck strain	Se Ens	 Wear eye protection and/or face shield. Secure tool at a comfortable angle for sharpening. Ensure adequate lighting intensity and angle for observing sharpened edge. Consider stool and/or fatigue mat for work space 		
Rehandling tools	70.00	Injury from loose or suddenly dislodge tool head	• We	ear sturdy boots. By constantly aware of tool head		
		Crushed fingers	 Keep fingers out of vise where they could be crushed. 		could be crushed.	

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	Smashed fingers or	Wear eye protection.
	flying debris from setting wedge	Pay close attention to mallet or hammer swing.
	Cuts from wood rasp or	Wear long-sleeves and leather gloves.
	hacksaw in shaping	
	handle	En .
	Dust and noise from	Wear eye protection
	shaping/sanding	Wear appropriate dust mask
	handles or tool heads	Wear hearing protection
Reconditioning or marking handles	Combustion of linseed	Secure rags in marked and appropriately rated metal airtight can
5	oil soaked rags	after use.
		Empty can and properly dispose of rags regularly.
	Exposure to aerosol	Paint tools outside or in a well ventilated area.
	contents of spray paint;	Wear eye protection.
	paint in eyes or on skin	Wear appropriate gloves
Storing, cleaning, and testing tools and	Injury from unsheathed	Ensure tools are stored with appropriate guards on sharp edges
equipment	tools	Cristire tools are stored with appropriate guards on sharp edges
	Injury from objects	Rather than store heavy or sharp objects in high places, store
	falling due to improper	lighter equipment on upper shelves.
	storage	Use appropriately rated step ladders to access overhead items.
	Injury from items stored	Store tools and equipment in balanced position where they are
	carelessly	not precarious or prone to become imbalanced.
		When possible, store hand tools in racks with handle hanging
		down.
		Do not lean equipment against walls.
	Injury from slips, trips,	Keep floor clear of tools, waste, or materials.
	falls	Clean up spills.
	Injury from use of faulty	Tag tools needing repair with a "DO NOT USE" tag.
	tool	Store in a separate location if possible.
	Exposure to cleaning or	Refer to manufacturer's handling and storage instructions.
	conditioning chemicals	Be aware chemicals can catch fire.
		Store flammable liquids in original containers or approved amd
		well marked containers.
		Store containers in appropriately rated flammables cabinet.
		Ensure shop is equipped with appropriate type, size of fire
		extinguisher and that it is inspected annually by a competent
		_ , , , , ,
		person.
		 Wear splash-proof eye protection and appropriate gloves when handling liquids.
	Injury from poorly	Check on/off switch for proper function
	maintained tool	Perform maintenance at manufacturer's recommended intervals.
		Keep bits, files, and knives sharp.

		 Do not modify tools. Ensure all manufacturer safety components of tool are in working condition.
		 Tag-out tools not in safe working condition. Add to Lockout Tag- out program.
10. OFFICIAL SIGNATURE	11. TITLE Acting Chief Ranges -Safety Offices	12. DATE 6/28/19

Previous edition is obsolete

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