Chainsaw Operation

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				FS-6700-7 (11/99)	
	WORK PROJECT/ACTIVITY Volunteer Agreement 2016-GV- 11083150-001, Chainsaw Operation		2. LOCATION Appalachian Trail	3. UNIT	
JOB HAZARD ANALYSIS (JHA) References-FSH 6709.11 and -12 (Instructions on Reverse)	4. NAME OF ANALYST Michelle Mitchell with input	THE RES	5. JOB TITLE	6. DATE PREPARED	
(instructions on Heverse)	Darryl Harley	-	AT Liaison	4-21-12	
Chainsaw Operation: employee must have prior instructions by competent individuals before fallin Personal Protective Equipment (PPE)	g trees. PPE	This activity is "extremely" dangerous. Timber falling is among the most dangerous occupation in the woods. Hardhat with chinstrap. Chaps, eye and ear protection, sturdy boots (*8 inches high with lugged soles), long pants, long sleeve shirt and gloves. A first aid kit meeting the requirements of 29 CFR 1910.266 App A.			
Tree Falling	Area Size up Surrounding	and the best direction to be felled. Be aware of other trees leaning into the tree being felled. Be aware of snags in the area. Do not cut during shifting, high or gusty wind conditions. Clean materials away from the tree's base that may pose a hazard. Avoid cutting above your shoulde Before cutting determine your primary and secondary escape routes to predetermined safe area. Using the saw: prepare your escape route to cutting all tripping begands. Keep proper spacing between operators (s			
Making undercuts; Falling Materials	Saw Cuts and Flying Material	Use of is 80% at same should wood.	Use open face method – notch is greater than 90 degrees – notch width is 80% of diameter, ie, 20" tree means notch width is 16". Bore into tree at same height as middle of notch to set up holding wood. Holding wood should be 10% of tree diameter, ie, a 20" tree would have 2" of holding wood. Use wedges where appropriate and finish back cut at the same height as bore cut. Leave no Dutchman.		
Back cut Wedging and Falling Material	Announce Felling	Notify slightly even.	others in the area that the tree is y above (approximately 2 inches under the loose bark before beging the tree adverse conditions. We do ning back-cut continue with the bark-cut co	about to fall. Make the back cut under cut), must be level and ning back cut. Utilize swamper lge tree as soon as possible after	
Being hit by Falling Trees and Pieces	Watch-outs	When Retreatyour bother standing equiposwam	the tree begins to fall, withdraw that to your safety area at an angle, ack on a falling tree. Continue to trees after the tree hits the grounding timber. Do not attempt to fall the ment. This equipment includes: Figer, See H &SC 3-15 and Fallers ation.	not straight back. Do not turn watch for falling limbs and/or f. Try to avoid hanging tree up in trees without all the essential PPE, chainsaw, small axe and	

Safe Guards	When the state of	
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	Keep chain sharp and with proper tension at all times. Use gloves whenever working with the chain. Beware of hot muffler. Ensure chain brake is working properly. Ensure the carburetor is adjusted properly so the chain doesn't run at an idle. Stop saw if the bar oil runs out before the saw gas does. Fix pinched bar guide rails, bent bars or damaged tips immediately. Use proper saw gas and oil fuel mixture.	
	Never use motor oil or bar lubricant to mix with saw gas. Clear an area around saw of flammable materials before fueling. No smoking during fueling. Do not start the saw at the point of fueling. All timber fallers shall carry at least an 8-ounce fire extinguisher during the fire precaution period.	
Tools	Keep axes sharp and handles tight and non-cracked. "Never" use wooden or metal wedges. Keep burs filed or cut down on plastic wedges. Use only approved gas and oil containers. Utilize bar covers when saws are transported and stored. Watch saw tip and avoid cutting only with tip of bar. Always keep a firm	
toriar asse	grip on the saw. When bucking logs, be aware of the direction the logs may roll or move after bucking. Do not stand on the downhill side of logs.	
	Stand on the opposite side of the tree from the side you are limbing; watch the saw tip. Use extra caution with spring poles.	
Tools Caution	Be alert and handle tools with care. Use the proper carrying method. Keep the sharp side of tool down. Keep the cover on axe when not in use. Add wedges to tool handles when loose or cracked.	
Sting Kits	Wear protective clothing and be aware of bee activity and nest sites; I.E. rotten logs, down logs, hollow logs, etc.	
Body Stress	Set the pace, take frequent short breaks if necessary and carry and drink plenty of water. Pat attention to your physical condition. Stay alerts at all times and watch your step.	
Fire Watch	After sawing, stay in the area for 10 to 15 minutes to watch for fires.	
ROI	11. TITLE 12. DATE 3/11/16	
	Tools Caution Sting Kits Body Stress	

Blocks 11 and 12: Self-explanatory.

JHA Instructions (References-FSH 6709.11 and .12) The JHA shall identify the location of the work project or activity, the name of employee(s) involved in the process, the date(s) of acknowledgment, and the name of the appropriate line officer approving the JHA. The line officer acknowledges that employees have read and understand the contents, have received the required training, and are qualified to perform the work project or activity. Blocks 1, 2, 3, 4, 5, and 6: Self-explanatory. Block 7: Identify all tasks and procedures associated with the work project or activity that have potential to cause injury or illness to personnel and damage to property or material. Include emergency evacuation procedures (EEP). d. Radio frequencies. e. Contact person. Block 8: Identify all known or suspect hazards associated with each respective task/procedure listed in block 7. For example: a. Research past accidents/incidents. h. Topography. b. Research the Health and Safety Code, FSH 6709.11 or other appropriate Discuss the work project/activity with participants. d. Observe the work project/activity. e. A combination of the above. Block 9: Identify appropriate actions to reduce or eliminate the hazards identified in block 8. Abatement measures listed below are in the order of the preferred abatement documents: a. Engineering Controls (the most desirable method of abatement). For example, ergonomically designed tools, equipment, and SIGNATURE Substitution. For example, switching to high flash point, non-toxic solvents. c. Administrative Controls. For example, limiting exposure by reducing the work schedule; establishing appropriate procedures and practices. d. PPE (least desirable method of abatement). For example, using hearing protection when working with or close to portable machines (chain saws, rock drills, and portable water pumps). e. A combination of the above. Block 10: The JHA must be reviewed and approved by a line officer. Attach a copy of the JHA as justification for purchase orders when procuring PPE.

Emergency Evacuation Instructions (Reference FSH 6709.11)

Work supervisors and crew members are responsible for developing and discussing field emergency evacuation procedures (EEP) and alternatives in the event a person(s) becomes seriously III or injured at the worksite.

Be prepared to provide the following information:

a. Nature of the accident or injury (avoid using victim's name).

b. Type of assistance needed, if any (ground, air, or water evacuation).

- c. Location of accident or injury, best access route into the worksite (road name/number), identifiable ground/air landmarks.
- f. Local hazards to ground vehicles or aviation.
- g. Weather conditions (wind speed & direction, visibility, temperature).
- Number of individuals to be transported.
- Estimated weight of individuals for air/water evacuation.

DATE

The Items listed above serve only as guidelines for the development of emergency evacuation procedures.

JHA and Emergency Evacuation Procedures Acknowledgment We, the undersigned work leader and crew members, acknowledge participation in the development of this JHA (as applicable) and accompanying emergency evacuation procedures. We have thoroughly discussed and understand the provisions of each of these

SIGNATURE

DATE

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