

U. S. Department of Agriculture Forest Service JOB HAZARD ANALYSIS (JHA) References – FSH 6709-.11 and -12 <i>(Instructions on Reverse)</i>	1. WORK PROJECT/ACTIVITY Trail Maintenance/Construction	2. LOCATION Cheoah Ranger District Tusquitee Ranger District National Forest Ocoee Ranger District Tellico Ranger District Blue Ridge Ranger District Conasauga Ranger District	3. UNIT National Forest in North Carolina Cherokee National Forest Chattahoochee-Oconee National Forest
	4. NAME OF ANALYST Heath Emmons	5. JOB TITLE Rec Tech	6. DATE PREPARED June 14, 2021
7. TASKS/PROCEDURES	8. HAZARDS	9. ABATEMENT ACTIONS <i>Engineering Controls * Substitution * Administrative Controls * PPE</i>	
Travel to and From Project Sites	Vehicle Accidents Injuries	Ensure volunteer has working knowledge of Job Hazard Analysis for General Driving.	
Use of Hand Tools	Injuries	Wear hardhat, gloves, shin guards, and safety goggles. Maintain a working distance of at least 10 feet between crew members. Inform others of hazards along trail such as small tree limbs that might cause eye injury. Place tools and equipment not in the operation a safe distance from work area. Training in proper use and selection of tools for the job should be provided to each volunteer.	
Working Remote Areas	Emergency Situations Falls and Sprains Insect and Snake Bites	Maintain radio contact with other personnel. Carry First Aid Kit. Have an emergency evacuation plan for the area of work. Watch your step, pay attention to footing and terrain at all times. Stay away from steep slopes with unstable soils during hazardous conditions, such as heavy rainfall or high winds. Wear 8-inch high, non-skid boots. Use insect repellent. Ensure volunteer has working knowledge of Job Hazard Analysis for Insect Stings/Bites.	

	Lifting	Lift with legs and not with back. Do not exceed personal ability.
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7. TASKS/PROCEDURES (CONTINUED)	8. HAZARDS (CONTINUED)	9. ABATEMENT ACTIONS (CONTINUED) Engineering Controls * Substitution * Administrative Controls * PPE	
<p>Use of Chainsaw</p> <p>Working during Hunting Season</p> <p>Emergency Evacuation Procedures</p>	<p>Injuries</p> <p>Injuries Death</p> <p>Illness/Injury</p>	<p>Operator must have chainsaw certification. Ensure volunteer has working knowledge of Job Hazard Analysis for Brushing/Chainsaw Use. Wear hardhat, face shield, leather gloves, ear protection and chaps when using chainsaw.</p> <p>Wear hunter orange vest. Avoid times of poor visibility.</p> <p>All Forest Service vehicles shall have first aid/infectious control kits. Each work crew or office group shall have at least one person currently certified to render first aid and CPR. If broken down on the open road use Forest Service two-way radio, cell phone, or call box to initiate call for EMS. At a facility with a telephone dial 911. Maintain communications with the 911 Operator until help arrives. Render first aid to the sick or injured until relieved by a higher-level medical responder. Do not abandon the patient. All volunteers treating patients shall observe Universal Precautions at all times. In remote work areas, it may be quicker to transport the injured patient out to meet with the EMS agency. Care shall be taken while moving and transporting the injured and communications must be maintained. Use Blood Borne Pathogen precautions. Notify your supervisor of the injury. Complete necessary paperwork.</p>	
<p>10. LINE OFFICER SIGNATURE</p> <p>DERRICK MORRIS Digitally signed by DERRICK MORRIS Date: 2021.06.15 15:54:27 -04'00'</p>	<p>11. TITLE</p> <p>Forest Supervisor</p>		<p>12. DATE</p>

ANDREW GASTON Digitally signed by ANDREW GASTON
Date: 2021.07.12 16:48:08 -04'00'

EDWARD HUNTER Digitally signed by EDWARD HUNTER
Date: 2021.07.14 10:38:48 -04'00'

JHA Instructions (References-FSH 6709.11 and .12)

The JHA shall identify the location of the work project or activity, the name of volunteer(s) writing the JHA, the date(s) of development, and the name of the appropriate line officer approving it. The supervisor acknowledges that volunteers 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).

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
- b. Research the Health and Safety Code, FSH 6709.11 or other appropriate literature.
- c. 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 method:

- a. Engineering Controls (the most desirable method of abatement).
For example, ergonomically designed tools, equipment, and furniture.
- b. 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 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.

Blocks 11 and 12: Self-explanatory.

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 ill 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.
- d. Radio frequency(s).
- e. Contact person.
- f. Local hazards to ground vehicles or aviation.
- g. Weather conditions (*wind speed & direction, visibility, temp*).
- h. Topography.
- i. Number of person(s) to be transported
- j. Estimated weight of passengers for air/water evacuation.

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 documents:

SIGNATURE	DATE	SIGNATURE	DATE
_____		_____	
Work Leader			
_____		_____	
_____		_____	
_____		_____	
_____		_____	
_____		_____	
_____		_____	