



| 7. TASKS/PROCEDURES (CONTINUED)                    | 8. HAZARDS (CONTINUED)                                                                                                | 9. ABATEMENT ACTIONS (CONTINUED)<br>Engineering Controls * Substitution * Administrative Controls * PPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Proper Personal Protective Equipment</b></p> | <p>Flying Objects<br/>Dust, glass, rocks, cans, and wood<br/>Hearing Loss<br/>Insect Stings/Bites<br/>Snake Bites</p> | <ul style="list-style-type: none"> <li>a. Ensure volunteer has a working knowledge of Job Hazard Analysis for Personal Safety – Personal Protective Equipment.</li> <li>b. Wear safety glasses or goggles eye protection which meet ANSI Standard Z87.1 compliance.</li> <li>c. Face shield may be used only if safety glasses or goggles are worn underneath. The face shield should meet ANSI Z87.1 compliance.</li> <li>d. Wear ear plugs or hearing protection headsets.</li> <li>e. Gloves must be worn.</li> <li>f. Long sleeve shirts and long pants are also required.</li> <li>g. Non-skid boots are required.</li> <li>h. Dust Masks may be worn.</li> </ul> |
| <p><b>Carrying Weed Eater</b></p>                  | <p>Injuries<br/>Cuts<br/>Falling objects</p>                                                                          | <ul style="list-style-type: none"> <li>a. Carry only with harness while in operation.</li> <li>b. Conduct tailgate safety sessions.</li> <li>c. Wear hardhat, gloves, goggles, and shin guards.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p><b>Starting</b></p>                             | <p>Injuries</p>                                                                                                       | <ul style="list-style-type: none"> <li>a. Start only with harness securely attached.</li> <li>b. Always start unit on the ground.</li> <li>c. Shut unit down immediately if the unit starts to shake or vibrate.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|---------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Fueling</b></p>           | <p>Burns<br/>Fire<br/>Spills</p>                             | <ul style="list-style-type: none"> <li>a. Allow weed eater to cool for at least 5 minutes before refueling.</li> <li>b. Fill on bare ground only.</li> <li>c. Wipe any spilled fuel from unit and move at least 10 feet from the fueling area before starting.</li> <li>d. Fill unit from labeled fuel container only.</li> <li>e. Never refuel running unit.</li> <li>f. Wear eye protection.</li> <li>g. Do not smoke or bring flame or sparks near fueling area.</li> <li>h. Have fire fighting extinguishing device near by.</li> </ul> |
| <p><b>Operation</b></p>         | <p>Kickbacks<br/>Cuts<br/>Hot Muffler<br/>Hot Gear Shaft</p> | <ul style="list-style-type: none"> <li>a. Maintain a safe distance between operator and other crewmembers.</li> <li>b. Maintain a minimum of 100 feet between workers.</li> <li>c. Never operate the cutting head above your knees.</li> <li>d. Keep feet and hands away from the rotating cutting head.</li> <li>e. Do not operate one handed.</li> <li>f. Always hold the unit with your fingers and thumbs encircling the handles.</li> <li>g. Avoid touching muffler and gear shaft until the unit has time to cool.</li> </ul>         |

| 7. TASKS/PROCEDURES (CONTINUED)              | 8. HAZARDS (CONTINUED)                                                                                               | 9. ABATEMENT ACTIONS (CONTINUED)<br>Engineering Controls * Substitution * Administrative Controls * PPE                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Work Site</b>                             | Uneven and Steep Terrain.<br>Ground Squirrel Holes.<br>Bottles and Glass<br>Hidden Objects<br>Snags and Widow Makers | a. Inspect the area before using the unit.<br>b. Remove objects which the unit could throw or become entangled with.<br>c. Remember where there are obstructions to be avoided.<br>d. Mark or flag hazards.<br>e. Remove dead or weaken branches and trees.<br>f. Public and other workers must be warned.<br>g. Children and animals must be prevented from coming within 50 feet while the unit is in use. |
| <b>10. LINE OFFICER SIGNATURE &amp; DATE</b> |                                                                                                                      | <b>11. TITLE</b>                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>JENNIFER BARNHART</b>                     | Digitally signed by JENNIFER BARNHART<br>Date: 2022.09.14 08:33:47 -04'00'                                           | National Forests in North Carolina, Appalachian District Ranger                                                                                                                                                                                                                                                                                                                                              |
| <b>NICHOLAS LARSON</b>                       | Digitally signed by NICHOLAS LARSON<br>Date: 2022.05.24 11:44:59 -04'00'                                             | National Forests in North Carolina, Grandfather District Ranger                                                                                                                                                                                                                                                                                                                                              |
| <b>DAVID CASEY</b>                           | Digitally signed by DAVID CASEY<br>Date: 2022.09.30 11:01:24 -04'00'                                                 | National Forests in North Carolina, Pisgah District Ranger                                                                                                                                                                                                                                                                                                                                                   |
| <b>MATTHEW WASKEY</b>                        | Digitally signed by MATTHEW WASKEY<br>Date: 2022.10.05 13:43:36 -04'00'                                              | National Forests in North Carolina, Nantahala District Ranger                                                                                                                                                                                                                                                                                                                                                |
|                                              | Cherokee National Forest, Watauga District Ranger                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                              | Cherokee National Forest, Unaka District Ranger                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                              |

**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) writing the JHA, the date(s) of development, and the name of the appropriate line officer approving it. The supervisor 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).

**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 |
|-----------|------|-----------|------|
|-----------|------|-----------|------|

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| <hr style="border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> <p style="margin: 0;">Work Leader</p> <hr style="border: 0; border-top: 1px solid black; margin-top: 5px;"/> |  |  |  |
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