

<p>U.S. Department of Agriculture Forest Service</p>	<p>1. WORK PROJECT/ACTIVITY LOOKOUT TOWER</p>	<p>2. LOCATION Pacific Southwest Region Sierra NF</p>	<p>3. UNIT BLRD</p>
<p>JOB HAZARD ANALYSIS (JHA) References-FSH 6709.11 and .12 (Instructions on Reverse)</p>	<p>4. NAME OF ANALYST Paul Waddell</p>	<p>5. JOB TITLE FIRE PREVENTION TECH</p>	<p>6. DATE PREPARED 04/27/07</p>
<p>7. TASKS/PROCEDURES</p>	<p>8. HAZARDS</p>	<p>9. ABATEMENT ACTIONS Engineering Controls * Substitution * Administrative Controls * PPE</p>	
<p>Ascending & Descending the Tower</p>	<p>Falling, Slipping, Tripping. Vibram soles sticking in metal grating</p>	<ul style="list-style-type: none"> * Keep one hand free to use railing. If dark use headlamp or flashlight with one hand on railing. * Watch footing carefully. * Watch to avoid hitting head on catwalk or trap door edge. * Keep stairway clean and in good condition. * Provide cautionary signing at stair bottom for added public safety. * Avoid carrying heavy or bulky loads. * Provide for a non-skid surface on the stairs as needed. 	
<p>Tower Operation</p>	<p>Catwalks, Trap Doors, Falling</p>	<ul style="list-style-type: none"> * Watch trap door area and post safety sign, close trap door while in tower. * No running or horseplay on tower. * Wear non-skid footwear. * Nail down loose boards and railings. * Never sit on railings. * Nail wire screening between bottom rail and floor if gap is wider than 12 inches. * Make public aware of dangers of catwalk and stairway. * Check smoke alarm, carbon monoxide detectors, and fire extinguishers each month. Document Inspections. 	
<p>Storm Activity</p>	<p>Lightning, Windy Conditions</p>	<ul style="list-style-type: none"> * When Lightning hazard is imminent, inform dispatcher of approaching thunder cell. Wear ear plugs and tinted safety glasses. Shut off radio, close windows, and stand on insulated platform or sit on insulated stool (do not touch anything). If possible exit tower and sit in vehicle. When cell has passed, re-establish communications with dispatcher. * During wind events make sure door/screens to lookout are closed tightly. * Avoid entry and exit during periods of high winds. * Be prepared for erratic winds while standing on catwalk and using stairs. * Do not use the telephone. 	

Operating Electrical or Gas Appliances.	Electrocution, Explosion, Burns, Cuts	<ul style="list-style-type: none"> * Conduct annual safety inspections to insure appliances are safe and operating correctly. * Repair worn or damaged electrical/gas parts or appliances. * Provide metal protection plates under gas appliances. * Mark exterior exhaust vent locations. * Have First Aid kit on hand. Ensure components have not expired. * Do not use stoves/oven to heat the lookout. * Do not leave appliances unattended when in use. 	
Environmental Hazards	Hantavirus, Bee Stings and Bites, Illness	<ul style="list-style-type: none"> * Review Hantavirus JHA * Review Insect Stings and Bites/Poisonous Plants JHA 	
Wildland Fire	Tower area overrun by wildfire	<ul style="list-style-type: none"> * Provide a fire shelter and annual fire shelter training for the lookout occupant. Have 4 additional fire shelters on hand for visitors. * Prepare a Lookout Evacuation Plan. Identify escape routes, safety zones, deployment zones, travel routes (primary and secondary), helicopter landing zone(s), communication procedures, rendezvous area, etc. 	
Emergency Evacuation Procedures (EEP) See Page 3 for E.E.P.	Illness/Injury	<ul style="list-style-type: none"> * Activate EMS by calling Sierra CC CC via radio or dial 911. * Refer to Emergency Evacuation Instructions on the next page. * Render first aid to sick or injured until relieved by a higher-level medical responder. Do not abandon the patient. * Use Blood borne Pathogen precautions. * Use care when moving patients and transporting the injured. * Maintain communications. * Notify your supervisor. * Complete necessary paperwork. 	
10. LINE OFFICER SIGNATURE		11. TITLE DISTRICT RANGER	12. DATE

Previous edition is obsolete

JHA Instructions (References-FSH 6709.11 and .12)

The JHA shall identify the location of the work project or activity, the name of the 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).

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 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, 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 te 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 crewmembers are responsible for developing and discussing field emergency evacuation procedures (EEP) and alternatives in the event a person(s) become seriously ill or injured at the worksite.

Be prepared to provide the following information:

- a. Nature of the accident or injury (avoid using the 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 frequencies.
- e. Contact person.
- f. Local hazards to ground vehicles or aviation.
- g. Weather conditions (wind speed & direction, visibility, temperature).
- h. Topography.
- i. Number of individuals to be transported.
- j. Estimated weight of individuals 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 crewmembers, 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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