

U.S. Department of Agriculture Forest Service	1. WORK PROJECT/ACTIVITY <b>Field work: weather hazards</b>	2. LOCATION Grand Rapids, MN	3. UNIT NC-4101, 4351
<b>JOB HAZARD ANALYSIS (JHA)</b> References-FSH6709.11 and -12 (Instructions attached)	4. NAME OF ANALYST	5. JOB TITLE	6. DATE PREPARED
7. TASKS/PROCEDURES	8. HAZARDS		9. ABATEMENT ACTIONS Engineering Controls * Substitution * Administrative Controls * PPE
Working outdoors	(1) Hypothermia, frostbite  (2) Heat stroke, heat exhaustion  (3) Lightning  (4) High winds with flying/falling objects  (5) Flash floods  (6) Tornadoes  (7) Unsafe ice  (8) Sunburn		(1) Wear proper clothing, footgear, equipment. Avoid conditions of extreme cold/wind chill.  (2) Wear loose fitting light clothing and hats. Drink plenty of liquids. Rest frequently. Avoid heavy activity in extremely hot, humid conditions.  (3) Be aware of weather conditions. Stay away from trees, ridge tops, tall objects, metal objects, and power lines during electrical storms. The safest place is inside a vehicle (rubber tires will insulate).  (4) Leave areas containing unstable objects (snag, dead branches, etc.) during windstorms.  (5) Drive or climb to higher ground during heavy rainfall/storms when flash flooding is possible.  (6) If time does not allow you to get to a safe place inside, lie flat in the nearest depression, ditch, or ravine, but watch for flooding waters.  (7) Be absolutely certain ice is thick enough before venturing onto it. Be extremely wary of ice over moving water, near lake inlets and outlets, and connecting channels. Avoid snow drifts or deep snow in such areas. Carry spikes (ice claws).  (8) Wear sun screen, proper clothing, hat, to avoid sunburn. Wear sunglasses to protect eyes.
10. LINE OFFICER SIGNATURE	11. TITLE		12. DATE

The JHA shall identify the location of the work project or activity, the name of employees(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 of 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 participant.
- 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 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 frequency(s).
- e. Contact person.
- f. Local hazards to ground vehicles or aviation.
- g. Weather conditions (wind speed & direction, visibility, temperature).
- 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