Service-issued identification card indicating the type of vehicle or Drivers/Operators. Drivers/operators have the responsibility to: Service employees who drive Government or private vehicles on Government vehicles (or private vehicles used on official duty) influence of alcohol and drugs nor while sick or suffering from Training. Defensive driving training is required for all Forest official duty. Drivers must attend a Forest Service or National Inform their supervisors of any physical, mental, or emotional Safety Council or equivalent defensive driving course at least endorsements for the size and class being driven and a Forest equipment the operator is authorized and qualified to operate Employees shall not operate a motor vehicle while under the Qualifications. All Forest Service employees who operate condition that might impair their ability to safely drive a Know and observe all State and local traffic regulations. shall hold a valid State driver's license with the proper 3. Unit NF/Station 9. Abatement Actions 6. Date motorized vehicle or operate machinery. excessive fatigue or emotional stress. (FSM 7134.1). every 3 years. 2. Location 5. Job Title 1. Work Project/Activity Accident Investigation 8. Hazards 4. Name of Analyst Insects and animals Smoky conditions Particulates (dust) Walking surfaces Weather Fatigue Reference-FSH 6709.11 and 12 **Agriculture Forest Service** Job Hazard Analysis (JHA) (Instructions on Reverse) U.S. Department of 7. Tasks / Procedures **Motorized Vehicle**

EXHIBIT 1-7

Exhibit 1–7—Job hazard analysis.

(Continued)



Chapter 1–Accident Investigation

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U.S. Department of Agriculture Forest Service	1. Work Project/Activity Accident Investigation	2. Location 3. Unit NF/Station
		Observe the "Circle of Safety" rule. Walk around the vehicle.
		Check the windshield, wipers, and wiper fluid level.
		Adjust mirrors.
		Drive safely while operating the vehicle within its mechanical limits.
		Always wear your safety belt(s). The vehicle operator shall ensure passengers also wear safety belts.
		Monitor vehicle performance when driving. Inspect a vehicle after use. Correct or report problems before a vehicle is used again.
		Do not compromise your safety, the safety of your passengers, or public safety when driving.
		Pull off the road for a break or to change drivers if you experience any of these warning signs:
		Vehicle begins to feel too warm.
		Drowsiness, especially after meals.
		Eyestrain.
		Inattention, davdreaming.

Chapter 1–Accident Investigation

Exhibit 1-7-Job hazard analysis.

Accident Investigation

Exhibit 1-7-Job hazard analysis.



(Continued)

U.S. Department of Agriculture Forest Service	1. Work Project/Activity Accident Investigation	2. Location 3. Unit NF/Station
		the phone for you or pull off to side of the road.
		Keep right. Drive as far to the right as possible without driving on the shoulder.
		Special hazards while driving on Forest Service roads.
	c	Road width. Roads with narrow driving surfaces, roads classified as single-lane with turnouts, and roads with few places to park or turn around.
		Surface. A variety of road surfaces, including those that may be affected by weather.
		Sight distance. Sight distance that may be limited by adverse weather, blind curves, foliage, dust, smoke, and ambient light.
Helicopter	Flying objects Particulates (dust) Noise	Get a safety briefing from Helitack managers prior to assignment.
		Equipment. Flight suits or fire nomex shirts and pants, helmets or hardhats, leather or nomex flight gloves, and hearing protection.
Walking and Hiking		
	Falling objects Walking surfaces Fatigue	Safety practices. Slips, trips, and falls are the leading causes of field and office accidents and injuries.

Chapter 1–Accident Investigation

Exhibit 1-7-Job hazard analysis.

Agriculture Forest Service Acc Wes Inse Pois		2. Locauoli 3. Ullu INF/Staulon	5
Wee Inse Pois	Accident Investigation		
Inse	Weather	General requirement. Wear shoes with slip-resistant heels and	nt heels and
Pois	Insects and animals	soles with firm, flexible support.	
	Poisonous plants		
		Specific requirement. For fire-related activities, wear all-	ar all-
		leather, lace-up, 8-inch tall (minimum) boots.	
		When hiking in the field, boots and a hardhat are required.	uired.
		Watch footing, look for tripping hazards, maintain balance.	alance.
		Be alert for snags and notify others of snag locations. Take	. Take
	ż	breaks at regular intervals to prevent fatigue. Use sunscreen to protect against sunburn.	nscreen to
		0	
		Be alert for poisonous plants, such as poison oak or ivy. If	vy. If
		exposed, wash affected areas and wash clothing.	×
	-	Be alert for poisonous insects and animals.	
Field Investigation Activities			
Falli	Falling objects	Required PPE.	
Wal	Walking surfaces		
Fati	Fatigue	Hardhat	
Part	Particulates (dust)	Leather work boots	
Wea	Weather	Leather gloves	
Tem	Temperature	Nomex shirt and pants (for fire-related accidents)	
Inse	Insects and animals	Fire shelter (for fire-related accidents)	
Dise	Diseases	Eye protection/goggles	
Pois	Poisonous plants		

Exhibit 1-7-Job hazard analysis.

(Continued)

Exhibit 1–7

U.S. Department of Agriculture Forest Service	1. Work Project/Activity Accident Investigation	2. Location 3. Unit NF/Station
		Daily briefings by the team leader, chief investigator, and safety manager will outline tasks to be accomplished and the required safety procedures.
		Manage fatigue, take breaks as appropriate, allow for adequate rest. Eat well-balanced meals and drink plenty of fluids.
	~	Check clothing for ticks during and after each shift.
		Be alert for snakes.
Security		Security procedures. Establish building evacuation procedures for work area being utilized, make sure all employees are aware of exits and safety meeting area.
		Inform team members of the process to report any accidents or injuries.
		Provide all team members with incident emergency phone numbers and the process to follow for rapid notification in the event of an emergency.
	1	Check-out/check-in systems (such as a sign out board) shall be located and utilized for team use.
		Advise the appropriate person(s) on the accident investigation team of travel plans with expected times of arrival and return when traveling to and from the investigation site or isolated locations. Ensure vehicles are operating properly and are

Chapter 1–Accident Investigation

Exhibit 1-7-Job hazard analysis.

U.S. Department of Agriculture Forest Service	1. Work Project/Activity Accident Investigation	2. Location 3	3. Unit NF/Station
		equipped for the specific task. Travel in pairs where warranted.	/el in pairs where warranted.
		Ensure that communications equipment is operating properly and replacement batteries are available for hand-held radios.	nent is operating properly and for hand-held radios.
Bloodborne Pathogen Program		Training . All employees shall receive general HIV/AIDS education training. For employees whose jobs put them at risk for an occupational exposure, training shall cover the major elements of the OSHA bloodborne pathogens regulation.	sive general HIV/AIDS whose jobs put them at risk ng shall cover the major pathogens regulation.
	Diseases	To further minimize employee risk, all employees, regardless of job classification or duties, shall observe universal precautions at all times. Observing universal precautions is an approach to infection control in which human blood and human body fluids are treated as if known to be infectious for HIV, HBV, or other bloodborne pathogens.	all employees, regardless of serve universal precautions at autions is an approach to lood and human body fluids ous for HIV, HBV, or other
Hot Conditions			
	Fatigue Weather	Working in hot conditions. Individual differences in heat tolerance are related to fitness, hydration, illness, drugs and medication, and fatigue.	dual differences in heat ation, illness, drugs and
		Heat stress occurs when the body's core temperature rises beyond safe limits. Evaporation of sweat is the body's main line of defense against heat. As sweat evaporates, it cools the body. When water lost by sweating is not replaced, the body's heat controls break down and body temperature climbs dangerously. Three factors that can contribute to heat stress are low or poor physical fitness, excess weight, and hypertension.	core temperature rises beyond the body's main line of porates, it cools the body. replaced, the body's heat erature climbs dangerously. heat stress are low or poor hypertension.



Exhibit 1-7-Job hazard analysis.

(Continued)

EXH	IIBIT 1-7 (d	continu	ed)							
3. Unit NF/Station	Schedule the hardest work during the cooler hours of the day. Set a moderate work pace. As the temperature increases, stop for frequent rest periods of at least 15 minutes. Always have an adequate supply of water available and ensure that employees are getting needed liquids.	Plan ahead for drinking water; don't allow water supplies to run out.	ation:	Drink 8 to 16 ounces of water before work.	Take frequent drinks during each hour of work (1 quart or 1 liter per hour).	Drink as much water as possible at lunch and the evening meal.	Continue replacing fluids throughout the evening.	Limit caffeine drinks, such as coffee or cola.	inks.	Provide well-planned meals and healthy snacks that are vital to maintain work capacity and to avoid heat disorders through adequate replacement of water, salt, and potassium. Carbohydrate/electrolyte beverages are recommended.
2. Location	Schedule the hardest w a moderate work pace. frequent rest periods of adequate supply of wat getting needed liquids.	Plan ahead for drin out.	To prevent dehydration:	Drink 8 to 16 ounc	Take frequent drinl per hour).	Drink as much wat	Continue replacing	Limit caffeine drin	Avoid alcoholic drinks.	Provide well-plann maintain work caps adequate replaceme Carbohydrate/elect
1. Work Project/Activity Accident Investigation										
U.S. Department of Agriculture Forest Service										

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Chapter 1–Accident Investigation

Exhibit 1-7-Job hazard analysis.

U.S. Department of Agriculture Forest Service	1. Work Project/Activity Accident Investigation	2. Location 3. Unit NF/Station
		Wear hardhats; they protect your head and keep you cooler.
		Prevent sunburn by wearing lightweight, light-colored, loose clothing, which allows air to circulate and sweat to evaporate, and offers protection from direct sun. Bare skin absorbs the sun's radiant heat and raises body temperature.
		During periods of continued extreme temperatures (90 °F or above), ensure that supervisors monitor employees and that employees watch each other for signs of heat-stress disorders, including heat cramps, heat exhaustion, and heatstroke.
		Heat cramps are identified by muscular pains and cramps, with leg and abdominal muscles usually affected first. Remedies include stretching and gently massaging cramped muscles and applying a heating pad or hot water bottle to help relieve muscle spasms.
		Heat exhaustion is characterized by fatigue, weakness, and collapse. The skin becomes pale, cool, and clammy. Individuals experience nausea, dizziness, a throbbing headache, breathing problems, and diarrhea. Recommended actions include moving to a cool, shady place, lying with the feet raised 8 to 12 inches above the head, loosening clothing, and applying cool compresses to the skin. If there is no improvement quickly, seek medical attention at once.

Exhibit 1-7-Job hazard analysis.

Exhibit 1-7

Chapter 1–Accident Investigation

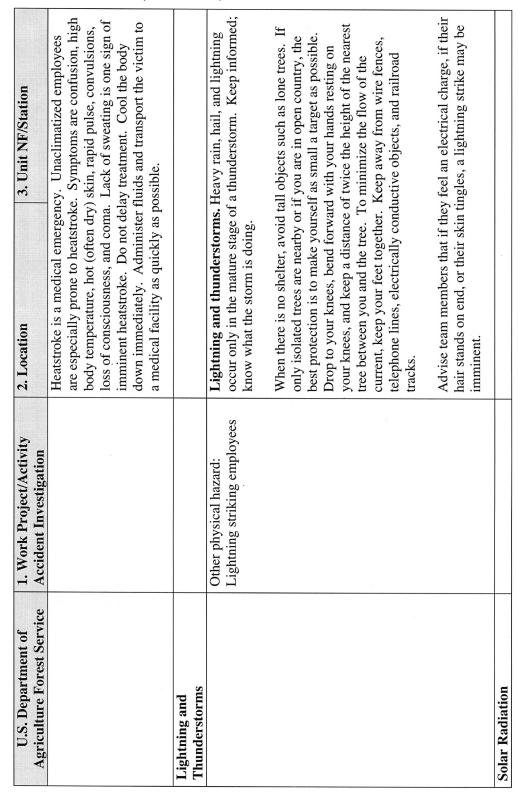


EXHIBIT 1-7 (continued)

Exhibit 1–7—Job hazard analysis.

U.S. Department of Agriculture Forest Service	1. Work Project/Activity Accident Investigation	2. Location 3. Unit NF/Station
	Burns	To minimize UV exposure:
		Keep exposed skin covered by wearing a hat, a bandanna, and a long-sleeved shirt (with sleeves rolled down and collar turned up).
		Wear sunglasses that filter out 100 percent of the UV rays. The use of non-UV protected sunglasses or photogrey glasses can increase the chance of UV damage to the retina and are not recommended.
		Provide and use protective sunscreen lotion, cream, oil, and lip balm as identified in the JHA.
		When possible, stay indoors during the peak exposure time in the summer or find worksites that are shady.
		Alter work schedules where appropriate to avoid peak summer exposure.
Evacuation Plan (see attached Evacuation Plan)	acuation Plan)	
10. Line Officer Signature		11. Title 12. Date
		Team Leader

Exhibit 1-7-Job hazard analysis.



 \Box (Continued) \longrightarrow

FIELD SITE EMERGENCY EVACUATION PROCEDURES AND TRAVEL ROUTES

Project Name: Accident Investigation

Work Site Location: National Forest / Station Include legal description: EXHIBIT 1-7 (continued)

To prepare for an emergency, which requires first aid, and/or immediate evacuation of personnel due to serious illness or injury, the following information should be predetermined, and available to all crewmembers:

DESIGNATED FIRST AID PROVIDER(S):

(At least one person on the investigation team field crew should be designated to provide first aid.

COMMUNICATION PROCEDURES TO FOLLOW IN THE EVENT OF AN EMERGENCY:

MEANS OF COMMUNICATION: Duty Hours: Follow established forest/station procedures Offduty Hours: Follow established forest/station procedures (radio, cell phone, Emergency Position-Indicating Radiobeacon (EPIRB), etc.)

RADIO CHANNEL: PHONE NUMBER:

HOME BASE:

HOME BASE EMERGENCY COORDINATOR:

EMERGENCY SERVICES:

AMBULANCE: PHONE NUMBER:

(Continued)

EXHIBIT 1-7 EMERGENCY EVACUATION TRAVEL ROUTES: Attach map with roads for evacuation to main highway to above hospital (and helispots, if appropriate) In the event of an accident during a fire incident contact incident base during field site visits, follow incident emergency evacuation processes. Copies of this plan should be provided to investigation team member(s) and kome base coordinator(s), prior to beginning work. INVESTIGATION TEAM MEMBERS SHOULD PROVIDE THE FOLLOWING WHEN CALLING FOR ASSISTANCE: (Crew should remain in contact with home unit until evacuation team arrives, if possible.) number, and (for air transport) estimated weight, of persons to be transported; location of injured, using landmarks identifiable on ground and/or map; (Air evacuation should be obtained through the supervisor's office (SO) dispatcher, if needed.) current information about weather and travel hazards/obstacles. nature of injury or accident (do not broadcast victim(s) name(s); type of assistance needed; PHONE NUMBER: highlighted. . . . Exhibit 1-7-Job hazard analysis.

HOSPITAL:

Exhibit 1–7