

APPENDIX H

FIRE PLAN

1. SCOPE:

The provisions set forth below outline the responsibility for fire prevention and suppression activities and establish an attack procedure for fires within the authorized area. The authorized area is delineated by map in the Special Use Authorization. The provisions set forth below also specify conditions under which construction activities will be curtailed or shut down. See Section 5, Emergency Measures below.

2. RESPONSIBILITIES:

A. (The Company as) Special Use Authorization Holder

- (1) Shall abide by the requirements of this Fire Plan.
- (2) Shall take all steps necessary to prevent his/her employees, subcontractors and their employees from setting fires not required in completion of the contract, shall be responsible for preventing the escape of fires set directly or indirectly as a result of contract operations, and shall extinguish all such fires which may escape.
- (3) Shall complete the Authorization Holder's (the Company's) Plan Regarding Personnel, Equipment and Organization (6.B) and shall furnish the District Ranger (DR) with a copy prior to commencing work at the site. Shall currently advise the DR of any changes in personnel, equipment and organization as the changes occur. Shall revise Section 6.B to reflect current activities upon request of the DR.

B. Forest Service

The Forest Service may conduct one or more inspections for compliance with the fire plan. The number, timing, and scope of such inspections will be committed at the discretion of agency employees responsible for special use administration. Such inspections do not relieve the Holder

(the Company) of responsibility for correcting violations of the fire plan or for fire safety in general, as outlined in paragraph 2.A above.

3. TOOLS AND EQUIPMENT:

A. The Holder (the Company) shall comply with the following requirements:

Shall equip all diesel and/or gasoline-operated engines, both stationary and mobile, and all flues used in any contract and camp operations with spark arresters that meet Forest Service standards set forth in the National Coordinating Group publication for Multiposition Small Engines, #430-4, or General Purpose and Locomotive, #430-2. Spark arresters are not required on equipment powered by exhaust-driven turbo-charged engines or motor vehicles equipped with a maintained muffler as defined in California Public Resources Code (CPRC), Section 4442 and 4443.

Shall furnish and have available for emergency use on each piece of equipment used in conjunction with performance of the work as listed below, hand tools and/or equipment as follows (CPRC 4427, 4428 and 4431):

(a) One shovel, one axe (or pulaski) and a fully charged fire extinguisher U.L. rated at 4 B-C, or larger, on each truck, personnel vehicle, tractor, grader and other heavy equipment.

~~Holder (the Company) shall equip each mechanized harvesting machine with hydraulic systems, powered by an internal combustion engine (chipper, feller/buncher, harvester, forwarder, stroke delimeter, etc), except tractors and skidders, with at least two 10-lb 4A/60 B-C fire extinguishers, or equivalent. In addition, concentrations of wood dust and debris shall be removed from such equipment daily.~~

(b) One shovel and one backpack 5 gallon water-filled tank with pump with each welder.

(c) One shovel and one pressurized chemical fire extinguisher for each gasoline-powered tool, including but not restricted to chain saws, soil augers, rock drills, etc. Fire extinguishers shall be of the type and size set forth in the California Public Resources Code Section 4431. Shovel must be kept within 100 feet from each chain saw when used off cleared landing areas.

All tools and equipment required in (1) and (2) above shall be in good workable condition and shall meet the following principle Forest Service specifications for fire tools:

(a) Shovels shall be size "O" or larger and be not less than 46 inches in overall length.

(b) Axes (or pulaskis) shall have 2-1/2 pound or larger heads and be not less than 28 inches in overall length.

Shall furnish a water tank truck or trailer, if so designated in Section 5.F. Tank truck or trailer shall be located on or immediately adjacent to the contract area and meet the following minimum specifications: contain at least 300 gallons of water; a combination straight stream-fog nozzle with 300 feet of one-inch fire hose, with no segment longer than 50 feet; fire hose with nozzle closed shall be capable of withstanding 200 psi pump pressure without leaking, slipping of couplings, distortions, or other failures; nozzle discharge rating of six to 20 gallons per minute; a pump capable of delivering 23 gallons per minute at 175 pounds psi at sea level; power unit for pump shall have fuel for at least two hours operation, with ample transport available for immediate and safe movement of tank over roads serving the contract area; and shall be in good working order; pump outlet shall be equipped with 1-1/2 inch National Standard Fire Hose thread.

~~Shall furnish two tractor headlights for each tractor dozer, if so designated in Section 5.G. Tractor headlights shall be attachable to each tractor and served by an adequate power source.~~

4. GENERAL

A. **State Law.** The Holder (the Company) shall comply with all applicable laws of the State of California. In particular, see California Public Resource Codes.

B. **Permits Required.** The Holder (the Company) must secure a special written permit from the District Ranger or designated representative before engaging in any of the activities listed below. The terms and conditions of any of the permits required for this contract are as shown on copies attached to the Fire Plan.

(1) **Blasting and Storage of Explosives and Detonators.** (Explosives Permit required by California Health & Safety Code, Section 12101.)

(2) **Burning.**

(3) **Air Pollution.** (Issued by local State or County Air Pollution Control Districts, as applicable.)

(4) **Camp, Lunch and Warming Fires.**

(5) Welding and Cutting.

C. **Regulations for Burning.** Before setting any fires whatsoever, the Holder (the Company) shall notify the DR of his/her intentions. Special care shall be taken to prevent scorching or causing any damage to adjacent structures, trees, and shrubbery. Piles of material to be burned shall be of such size and so placed that during burning no damage shall result to adjacent objects.

D. **Smoking and Fire Rules.** Smoking shall not be permitted during fire season, except in a barren area or in an area cleared to mineral soil at least three feet in diameter (CPRC 4423.4). In areas closed to smoking, the Holder may approve special areas to be used for smoking. Designated smoking areas shall be signed by the Holder (the Company). Holder (the Company) shall post signs regarding smoking and fire rules in conspicuous places for all employees to see. Holder's supervisory personnel shall require compliance with these rules. Under no circumstances shall smoking be permitted during fire season while employees are operating light or heavy equipment, or walking or working in grass and woodlands.

E. **Storage and Parking Areas.** Equipment service areas, parking areas, and gas and oil storage areas shall be cleared of all inflammable material for a radius of at least 50 feet. Small mobile or stationary engine sites shall be cleared of inflammable material for a radius of at least 15 feet from such engine. Areas must be approved, in writing, by the DR.

F. **Welding.** Holder (the Company) shall confine welding activity to cleared areas having a minimum radius of ten feet measured from place of welding.

G. **Blasting.** Holder (the Company) shall use electric caps only. When blasting is necessary in slash areas, a watchperson equipped with shovel and a water-filled backpack can (5 gallon), with hand pump, shall remain in the immediate area for an hour after blasting has been completed.

H. **Oil Filter and Glass Jugs.** Holder (the Company) shall remove from National Forest land all oily rags and used oil filters. Holder shall prohibit use of glass bottles and jugs on contract operations.

I. **Reporting Fires.** As soon as feasible, after initial control action is taken, Holder (the Company) shall notify Forest Service of any fires along roads used by Holder.

J. **Communications.** If required in Section 5.H below, Holder (the Company) shall furnish a serviceable telephone, radio-telephone, or radio system connecting each operation with the designated Forest Service Dispatch Center. A radio-equipped fire patrolperson vehicle will satisfy this requirement if in operation during the time required. The communication system shall provide prompt and reliable communications between the Holder's (the Company's) operations and the Forest Service Dispatch Center. The communications system shall be operable during Holder's (the Company's) operation in the fire precautionary period and at the time fire patrolperson service is required. The communications system shall be capable of contacting the designated Forest Service Dispatch Center within five (5) minutes of discovery of a fire in the Holder's (the Company) operating area.

5. EMERGENCY MEASURES

The table set forth below establishes work restrictions and fire precautions that the Holder (the Company) must observe at each activity level.

Holder (the Company) shall conform to the limitations or requirements of Project Activity Level (PAL) obtained from Forest Service before starting work each day. If practicable, Forest Service will determine the following day's activity level by 4:00 p.m. each afternoon. Activity level may be changed at any time if, in the judgment of the Forest Service, fire danger is higher or lower than predicted and such change is consistent with forest management objectives. Whether to change the activity level and whether, when, and how to take weather observations for that purpose are within the discretion of Forest Service.

PROJECT ACTIVITY LEVELS

LEVEL

PROJECT ACTIVITY

- A. Minimum as required by Sections 1 through 4 above.
- B. Furnish Fire Patrolperson. The fire patrolperson must meet the requirements in 5.E below. When mechanized equipment with high-speed rotary head is utilized, the Fire Patrolperson shall remain in the operational area until 8:00 p.m., unless otherwise agreed in writing.
- C. The following operations are prohibited from 1 p.m. until 8 p.m. local time.
- a. Dead tree felling, limbing, or bucking except recently dead trees.
 - b. Operating high speed rotary head equipment.
 - c. Blasting.
- D. The following operations are prohibited from 1 p.m. until 8 p.m. local time.
- a. Tractor, skidder, feller-buncher (without high speed rotary head), forwarder, chipper or shovel logging operations.
 - b. Cable yarding with gravity operated logging systems employing non-motorized carriages when all blocks and moving lines are 10 feet or more above the ground, excluding the line between the carriage and the choker.
 - c. Mechanized loading and hauling, except log trucks already at the landing.

- d. Hand felling green or recently dead material.
- e. Power saw use at landings.
- f. Welding or cutting of metal except by special permit.
- g. Any other spark-emitting operation except by special permit.

The following operations are **prohibited**:

- h. Blasting between hours of 10 a.m. and 8 p.m.
- i. Cable yarding except as stated above.
- j. Mechanized operations for felling (with high speed rotary head), bucking, and limbing.
- k. Felling dead material.
- l. Road clearing and pioneering in uncleared areas.
- m. Mechanized slash disposal.

E. Operations are prohibited except:

- a. Trucks at landing may be loaded and can leave sale area.
- b. Equipment at landings may be serviced.
- c. Roads: dust abatement or rock/aggregate installation.

All of the precautions listed above apply unless the Authorized Officer agrees to changes in writing. Such written agreement, or substitute precautions, shall prescribe measures to be taken by Holder to reduce the risk of ignition, and/or the spread of fire.

A. The Holder (the Company) can obtain the Predicted Activity level for the following day at telephone number: 619 557-5262

B. The Holder (the Company) will will not be required to furnish a sealed box of fire fighting tools, to be located in the operating area, at a point accessible in the event of fire. This box shall contain: one 5-gallon, backpack pump-type fire extinguisher filled with water; two axes; two Mcleod fire tools; one serviceable chain saw of three and one-half or more horsepower with a cutting bar 20 inches in length or longer; and enough shovels so that each employee at the operation can be equipped to fight fire. The box shall remain unlocked, but be sealed with a Forest Service seal to be broken for emergency use only.

C. The Forest Service will will not furnish box of fire fighting tools, the contents of which is within the discretion of agency employees at the district level. The Holder (the Company) shall ensure that the box remains unlocked but sealed with a Forest Service seal to be broken for emergency use only. The Holder (the Company) will be responsible for keeping the box in the operating area, at a point accessible in the event of fire, and will return it to the government upon completion of the work.

D. The Holder (the Company) will will not be required to furnish a filled five gallon backpack pump at each work site at activity level C, or above.

E. The Holder (the Company) will will not be required to furnish a fire patrolperson with a filled 5-gallon backpack pump to prevent, detect, and suppress any fires in the contract area. The patrolperson shall remain on duty at least two hours after the close of work, at Activity Level C, or above. SUPPLEMENT: The fire patrolperson may may not perform other duties on the contract.

F. The Holder (the Company) will will not be required to furnish a water tank truck or trailer. Water tank truck or trailer may may not be used for other work on the contract.

G. The Holder (the Company) will will not be required to furnish tractor headlights.

H. The Holder (the Company) will will not be required to furnish communications equipment.

The requirements outlined above may be modified on a case by case basis depending on the scope of the Holder's (the Company's) activities, site conditions, and fire danger or project activity level.

6. REPORTING ALL WILD FIRES

- A. Holder or Holder's (the Company's) employees shall report all fires immediately to the Forest Service Dispatch Center at (619) 557-5262 or call 911.

When reporting a fire, provide the following information;

Your Name;

Call back telephone number;

Project name;

Location;

Legal description (Township, Range, Section); and

Descriptive location (Reference point);

Fire Information;

Acres;

Rate of Spread; and

Wind Conditions.