Emergency and Fire Plan

A. The Contractor is required to comply with State and Federal Fire Laws during fire season.

- The Contractor shall take all steps necessary to prevent his/her employees from setting fires not required in completion of the project.
- The Contractor shall be responsible for preventing the ignition of fire that could result from actions for the project and shall take immediate action to extinguish all such fires that can be safely extinguished.
- The Contractor must immediately notify Forest Service if a fire indirectly ignited by the Contractor, or the Contractor's agents or employees, cannot be immediately extinguished or escapes the work site.
- The Contractor may be held liable for all damages and for all costs incurred by the Government for labor, subsistence, equipment, supplies, and transportation deemed necessary to control or suppress a fire set or caused by the Contractor or the Contractor's agents or employees.

B. Contractor Tool and Equipment Guidelines that Meet or Exceed Federal and State Fire Laws

- Each internal combustion engine shall be equipped with a spark arrester qualified and rated under USDA Forest Service Standard (Spark Arrester Guide) 5100-1a or the latest revision of Society of Automotive Engineers "medium size engine, SAE recommended practice J350" unless it is:
  a. Equipped with a turbine-driven exhaust supercharger such as the turbocharger. There shall be no exhaust bypass.
  b. A multi-position engine, such as on power saws purchased after 6/30/77 which must meet the performance levels set forth in the Society of Automotive Engineers "multi-positioned small engine exhaust fire ignition standard, SAE recommended practice J335B" as now or hereafter amended. Those purchased prior to the above date shall be equipped with an approved spark arrester/muffler containing a 0.023 inch mesh screen in good condition.
  c. A passenger carrying vehicle or light truck, or medium truck up to 40,000 GVW, used on roads and equipped with a factory designed muffler and an exhaust system in good working condition.
  d. A heavy duty truck, such as a dump or log truck, or other vehicle used for commercial hauling, used only on roads and equipped with a factory designed muffler and with a vertical stack exhaust system extending above the cab.
  e. Exhaust equipment described in this Subsection, including spark arresters and mufflers, shall be properly installed and constantly maintained in serviceable condition.

- The Contractor should 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:
  a. One shovel, one axe (or Pulaski) and a fully charged fire extinguisher U.L. rated at 4 B:C or more on each truck, personnel vehicle, tractor, grader and other heavy equipment.
  b. One shovel and one backpack 5-gallon water-filled tank with pump with each welder.
  c. One shovel and one chemical pressurized fire extinguisher (fully charged) for each gasoline-powered tool, including but not restricted to chain saws, soil augers, rock drills, etc. Fire extinguishers shall be not less than 8-ounce capacity. Shovel must be kept within 100 feet from each chain saw when used off cleared landing areas.

- All tools and equipment recommended above should be in good workable condition and should meet the following principal Forest Service guidelines for fire tools:
  a. Shovels shall be size "O" or larger and be not less than 46 inches in overall length.
  b. Axes (or Pulaski) shall have 2-1/2 pound or larger heads and be not less than 28 inches in overall length.

- It is **recommended** that a sealed box of tools be located within the operating area, at a point accessible in the event of fire. This fire toolbox should at a minimum contain:
  a. One 5-gallon, backpack pump-type fire extinguisher filled with water.

b. Two axes
c. Two McLeod fire tools
d. One serviceable chain saw of three and one-half or more horsepower with a cutting bar 20 inches in length or longer
e. Enough shovels so that each employee at the project can be equipped to fight fire.
f. The Contractor should make available this box of firefighting tools for use at location(s) of the work. The fire toolbox shall remain unlocked but should be sealed to prevent use for other than emergency use only.

C. Fire Preparedness Guidelines that meet or exceed State and Federal Fire Laws

- Smoking and Fire Rules. Smoking is not permitted during fire season, except in a barren area or in an area cleared to mineral soil at least three feet in diameter. In areas closed to smoking, the FS Project Administrator may approve special areas to be used for smoking. The Contractor shall sign these areas. Contractor shall post signs regarding smoking and fire rules in conspicuous places for all employees to see. Contractor'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.

- 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. The FS Project Administrator must approve areas of the type described above prior to use.

- Welding. Contractor shall confine welding activity to cleared areas having a minimum radius of ten feet measured from place of welding.

- Oil Filter and Glass Jugs. Contractor shall remove from National Forest land all oily rags and used oil filters.

- Reporting Fires. The Contractor shall notify the Forest Service of any fires encountered in the vicinity of the project. The Contractor should take control action upon discovery of a fire as safety and conditions allow.

- Communications. The Contractor should furnish a serviceable telephone, radiotelephone, or radio system that allows the Contractor to contact the Forest Service or other law enforcement or emergency agencies in the event of a fire or other medical emergency. If the project's location makes communication clearly impractical, the FS Project Administrator will accept a reasonable alternative. The communications system shall be operable during the Contractor's operation in the fire precautionary period and at the time fire patrol person service is required.

D. EMERGENCY FIRE PRECAUTIONS

Contractor will restrict operations in accordance with the attached Emergency Fire Precaution Schedule. When there is a predicted change, Forest Service shall inform the Contractor by 6:00 pm, Mountain Standard Time (7:00 pm MDT), of the predicted change in the Industrial Fire Precaution Plan. The Project Contact may, after consultation with the Forest Supervisor, adjust the predicted Industrial Fire Precaution Plan for local weather and site conditions on Project Area. These conditions will be determined per the findings of the attached, **Project Fire Precautions Assessment,** document. Changes in the predicted Industrial Fire Precaution Plan will be provided to the Contractor in writing, at least 5 days in advance of the changes going into effect. These changes may warrant the operation to transition into more stringent Industrial Fire Precautions, such as going from Precaution B to C, even if the "Staged Restrictions" do not change. Or the findings and determinations of site-specific conditions from the Assessment may warrant additional fire tools or equipment to be on site, such as a water tender, size to be determined based on operation and conditions.

EMERGENCY FIRE PRECAUTION SCHEDULE	
FIRE RESTRICTION/CLOSURE "STAGE"	
"STAGED" RESTRICTION LEVELS	**INDUSTRIAL FIRE PRECAUTION PLAN**
NO RESTRICTIONS	**A**
STAGE I	**B**
STAGE II	**C**
STAGE III (PARTIAL FOREST CLOSURE) **	**C or D**
STAGE IV (TOTAL FOREST CLOSURE)	**D**
RED FLAG WARNING (Issued by National Weather Service)	**D**

PARTIAL FOREST CLOSURE

Timber project areas which are outside the boundaries of the partial forest closure may continue to operate under Industrial Fire Precaution Plan **"C"** operating criteria as agreed upon between the CO and Contractor in writing.

Timber project areas within the boundaries of the proclaimed partial forest closure area are to operate under Industrial Fire Precaution Plan "**D".**

Staged restriction levels are determined by the Line Officer in conjunction with Fire Management Officer(s) and Project Contact(s). The process is a mix of quantitative and subjective measures which allows Line Officers a broad level of discretion considering local conditions and issues when deciding to implement fire restrictions and/or area closures.

INDUSTRIAL FIRE PRECAUTION PLAN - DESCRIPTION

A - Normal Fire Precautions. No fire guard required.

B - Normal Fire Precautions except designated areas for smoking and warming or cooking fires require a written permit. Contractor will provide fire guard.

C - All power saws and mechanical fellers except for mechanical fellers equipped with hydraulic shears will shut down from 9:00 am until 8:00 pm Mountain Standard Time (10:00 am to 9:00 pm MDT), except chainsaws may be used from 9:00 am until 2:00 pm Mountain Standard Time (10:00 am to 3:00 pm MDT), for limbing on landings cleared to mineral soil. Loading is authorized to continue from 12:00 noon until 2:00 pm, Mountain Standard Time (1:00 pm to 3:00 pm MDT), on landings cleared to mineral soil. Log hauling trucks must be out of the Project area to a surfaced road by 2:00 pm, Mountain Standard Time (3:00 pm MDT). Shutdown from 12:00 noon until 8:00 pm Mountain Standard Time (1:00 pm to 9:00 pm MDT); all machine treatment of slash; mechanical equipment used for shearing, bunching, or delimbing; skidding; cable yarding; blasting; welding; metal cutting; and clearing. Operations on mineral soil involving road excavation, watering, grading, surfacing, rock crushing, and/or other equipment maintenance may continue. No smoking, warming, or cooking fires are permitted at any time. Contractor will provide fire guard.

D - Shutdown all operations; except operations on mineral soil involving road excavation, watering, grading, gravel surfacing, and rock crushing may continue with special Forest Service permit. Contractor will provide fire guard.

E - Reporting all Wildfires
Contractor's employees shall report all fires to any of the following Forest Service facilities and/or personnel listed below, but not necessarily in the order shown:

E. Forest Service Contact List in case of Fire or Other Emergency

Contact	Name	Office Telephone	Cell Telephone
Nearest FS Station Mount Taylor	Basic Fire Info	505-287-8833	
Nearest FS Station Mountainair	Basic Fire Info	505-847-2990	
Nearest FS Station Magdalena	Basic Fire Info	575-854-2281	
Nearest FS Station Sandia	Basic Fire Info	505-281-3304	
Nearest FS Station Kiowa-Rita Blanca	Basic Fire Info	575-374-9652	
Nearest FS Station Black Kettle	Basic Fire Info	580-497-2143	
Mount Taylor FMO	Adrian Padilla	505-287-8833	505-414-9469
Mountainair FMO	Anthony Martinez	505-847-2990	505-506-1971
Magdalena FMO	Ken Watkins	575-854-2281	505-681-8736
Sandia FMO	Brad Tausan	505-281-3304 x5130	505-362-3613
Black Kettle & Kiowa-Rita Blanca FMO	Matt Lamb	580-497-2143	580-4976954
Project Technical Point of Contact/Inspector	Peggy O'Keefe	505-346-3848	530-708-1677
Project Technical Point of Contact/Inspector	Patrick Burkett	505-346-3883	
Mount Taylor Ranger	Yolynda Begay	505-287-8833	
Mountainair Ranger	Ernie Taylor	505-847-2990	
Magdalena Ranger	(Vacant)	575-854-2281	
Sandia Ranger	Crystal Powell	505-281-5117	
KRB Ranger	Mike Atkinson	575-374-9652	575-429-9288
Black Kettle Ranger	Tom Smeltzer	580-497-2143	580-497-7712
Cibola Dispatch	FIRE #1	505-346-2660	

F. Contractor's Key Personnel to Call in case of Fire or Other Emergency

Contact	Name	Office Telephone	Cell Telephone
Administrative Contact			
Project Contact			