

SOUTHWEST INTERAGENCY FIRE RESTRICTIONS & CLOSURE MASTER OPERATING PLAN
COCONINO NATIONAL FOREST
INDUSTRIAL FIRE PRECAUTIONS PLAN GUIDELINES
For
AUTHORIZED USERS

PURPOSE

The purpose of fire restrictions and industrial fire precautions is to reduce the risk of human-caused fires. The Industrial Fire Precautions Plan Guidelines and its associated fire precautionary measures must be followed year round. The intent of this guide is to provide authorized users with the information they need to ensure their operations conform to the standards and requirements outlined within this document. For the purpose of this plan, authorized users include any permit holder, lease, contractor, subcontractor and other users, engaged in permitted operations on Coconino National Forest Lands.

When operating on Coconino National Forest Lands, it is incumbent on the permitted user to know the current Emergency Fire Precaution Schedule and to take the appropriate actions to meet the mitigation measures in these guidelines. In addition, it is also incumbent on the authorized user to inform any and all of their subordinates (contractors, sub-contractors, etc...) of these precautions and to ensure that all requirements are being met.

At all times, users shall have a plan of action which briefly states what preventative measures will be taken to mitigate fire occurrence. Users should clearly designate a fireguard and what actions will be taken should a fire occur, including the notification process.

GENERAL FIRE PRECAUTIONARY MEASURES

COMMUNICATIONS

Authorized users shall ensure a serviceable telephone, radio-telephone or radio communication system is available to provide prompt and reliable communications between the authorized user's operations and the Coconino National Forest. In the the event of a wildland fire ignition, users shall contact **Coconino NF Dispatch – (928) 527-3552**.

FIRE TOOLS

Authorized users shall furnish and maintain, in good working order, fires tools to be used only for suppressing wildland fires. Each operation shall be provided with one firefighting tool per person to equip all personnel engaged in authorized user's operations. Approved firefighting tools may include the following: pulaski; McLeod tool; long handled shovel. These tools are separate from those required to be mounted on equipment.

FIRE TOOLS ON EQUIPMENT

Passenger carrying vehicles, including light pickup trucks and all-terrain vehicles, shall be equipped with one (1) long-handled round pointed shovel and one (1) ABC dry chemical fire extinguisher not less than 2 1/2 pounds capacity. Each internal combustion fuel carrying piece of equipment (dump truck, dozer, excavator, backhoe, etc...) shall be equipped with one long-handled round-pointed shovel, and one 5-pound capacity ABC dry chemical fire extinguisher. Shovels and fire extinguishers shall be so mounted as to be readily reached from the ground.

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SPARK ARRESTERS AND MUFFLERS

Authorized user will ensure that 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 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.

Exhaust equipment described in this Subsection, including spark arresters and mufflers, shall be properly installed and constantly maintained in serviceable condition and not modified in any manner.

POWERED HAND TOOLS (including powersaws)

During periods of use, each powered handtool operator shall have readily available for use, one long-handled round-pointed shovel and one chemical-pressurized ABC dry chemical fire extinguisher of not less than 8-ounce capacity by weight. Muffler, extinguisher, and shovel shall be maintained in good working order at all times. Fueling or refueling of a powered handtool shall be done in an area which has been completely cleared of material which will carry fire.

Powered hand tools shall be moved at least 10 feet from the place of fueling or refueling before starting.

TRACTOR LIGHTS

All crawler tractors and rubber-tired skidders suitable for fire suppression work, and with power source, shall be equipped with two (2) factory type headlights and one (1) backup light, or brackets mounted for portable self-contained battery operated lights. These portable lights shall be furnished and maintained by the Purchaser at a location agreed by the Forest Service.

CABLE YARDING

Tail and corner blocks shall be located to prevent cables from rubbing against trees, snags, and down logs. Areas adjacent to tail and corner blocks shall be cleared of flammable material within a 5-foot radius.

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One 5-gallon standard backpack water container (filled at all times and with handpump attached), one shovel, and one pulaski, shall be maintained within 10 feet of each block.

GAS OIL STORAGE AND SERVICE AREAS

The location of equipment service areas and gas and oil storage areas shall be approved in writing by the permit administrator. All areas shall be cleared of brush, litter, grass or other flammable debris for a radius of 50 feet.

INSPECTION REQUIREMENTS FOR INTERNAL-COMBUSTION ENGINES

Each internal-Combustion motor vehicle or item of equipment shall be inspected and approved in advance of use by Forest Service.

Purchaser shall require that all persons engaged in Purchaser's operations submit all internal-combustion motors and equipment for inspection and approval prior to use in Purchaser's operations on National Forest lands. Vehicles and equipment not approved for use shall be repaired to meet existing standards, reinspected, and approved by Forest Service prior to use.

BURNING OF REFUSE

No slash or other debris, such as that resulting from clearing on right-of-way, shall be burned without the written consent of the Coconino National Forest.

SMOKING AND LUNCH FIRE RESTRICTIONS

Purchaser shall prohibit smoking and building of camp and lunch fires by persons engaged in Purchaser's operations, except at established camps or in areas that Forest Service may designate. Smoking may be permitted at these designated areas only after all flammable material has been cleared to mineral soil. All fires and smoking materials shall be completely extinguished at end of lunch or smoking period.

BLASTING

Use of fuses in blasting shall not be permitted. A long-handled round-pointed shovel and at least five gallons of water for fire fighting purposes shall be available at all times. A fire guard must remain on the blasting site for a minimum of one hour after blasting operations have concluded.

WELDING

An area within a 10 foot radius shall be cleared down to mineral soil before welding operations are started. Prior to welding, purchaser shall have available a round-pointed long-handled shovel, a 5-gallon backpack pump filled with water with attached hand pump, and a 5-pound fire extinguisher at each welding site. A fire guard will remain on duty for at least one (1) hour after welding is completed during periods when Fire Precaution Plan B or C is in effect. Welding is prohibited under Fire Precaution Plan D.

SPECIFIC FIRE PRECAUTIONARY MEASURES

Purchaser will restrict operations in accordance with the attached Emergency Fire Precaution Schedule. The Contracting Officer shall inform the Purchaser of any changes in the Industrial Fire Precaution Plan. The procedure for the Contracting Officer to notify the Purchaser of a change shall be stated in the Fire

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Prevention and Control Plan required by B7.1. The Contracting Officer may, after consultation with the Forest Supervisor, adjust the predicted Industrial Fire Precaution Plan for local weather conditions on Sale Area. Changes in the predicted Industrial Fire Precaution Plan shall be agreed to in writing.

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

INDUSTRIAL FIRE PRECAUTION PLAN – DESCRIPTION

Plan	Item	MST (Mtn. Standard Time)	MDT (Mtn. Daylight Time)
A	Normal Fire Precautions (C7.2) No fire guard required.		
B	Normal Fire Precautions (C7.2) except designated areas for smoking and warming or cooking fires requires a written permit. Purchaser will provide fire guard (C7.21).		
C	No smoking, warming or cooking fires are permitted at any time. Purchaser will provide fire guard (C7.21).		
	All power saws except for chainsaws used for limbing or bucking on landings cleared to mineral soil will shut down:	9:00 am to 8:00 pm	10:00 am to 9:00 pm
	Mechanical fellers except for mechanical fellers equipped with hydraulic shears will shut down:		
	Shutdown all machine treatment of slash; mechanical equipment used for shearing, bunching, delimbing, grinding, or chipping; skidding; cable yarding; blasting and clearing:	12:00 noon to 8:00 pm	1:00 pm to 9:00 pm
	Welding, metal cutting on cleared mineral soil will shut down:	12:00 noon to 8:00 pm	1:00 pm to 9:00 pm
	All chainsaws used for limbing or bucking on landings cleared to mineral soil will shut down:	2:00 pm to 8:00 pm	3:00 pm to 9:00 pm
	Loading on all landings will shut down:	2:00 pm to 8:00 pm	3:00 pm to 9:00 pm
	Log hauling trucks and chip vans must be to a surfaced road by:	2:00 pm	3:00 pm
	Logging operation may continue after:	8:00 pm	9:00 pm
	Operations on mineral soil involving road excavation, watering, grading, surfacing, rock crushing, and/or other equipment maintenance may continue.		
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. Purchaser will provide fire guard (C7.21).		

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***Partial/Forest Closure:**

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 Permit Administrator and Purchaser in writing.

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 appropriate Forest Line Officer in consultation with the Forest Fire Management Officer and Permit Administrator. The appropriate Forest Line Officer may adjust the predicted Industrial Fire Precaution Plan for local weather conditions within a Project Area. Changes in the predicted Industrial Fire Precaution Plan shall be agreed to in writing.

FIRE GUARDS

Purchaser shall designate at least one representative to train and supervise each woodworking group of men in fire prevention, detection, and suppression. Each such representative shall be named in the fire plan.

To prevent, detect, and suppress fire, Purchaser shall provide a trained fire guard at each operating area where power-driven equipment has been operated during the day. The fire guards shall constantly perform their duties during operating hours and for three (3) hours after the woodwork stops for the day, when the Fire Precaution Plan is Plan B, C, or D (C7.22).

Fire guard service on one operating area shall satisfy the requirements on adjacent areas if the travel time with available transportation is not in excess of ten (10) minutes to any of the other areas requiring such service.

Each fire guard shall be physically able, vigilant, and trained to prevent, detect, and report any fires and to promptly and efficiently take suppression action with available required firefighting equipment and men on any fire that starts on Sale Area. Each fire guard shall be equipped with a vehicle and a fire tool cache consisting of a cache box, 2 four-to-five gallon backpack pumps filled with water, 2 size 0 shovels, 2 Pulaskis, and 2 McLeod tools maintained in serviceable condition.

RED FLAG WARNING

A red flag warning is issued when the combination of dry fuels and weather conditions support extreme fire danger. Red flag warnings are issued by the National Weather Service for land and fire managers to highlight the increased fire danger.

- RED FLAG WARNING is issued if conditions are occurring or will occur within the next 24 hours that would support extreme fire danger.

When a Red Flag Warning is issued by the National Weather Service, all authorized user operations will adhere to Industrial Fire Precaution Plan “D” and will shut down operations until the Red Flag Warning is rescinded.