



"STEWARDSHIP IN FORESTRY"

**SOUTHWEST OREGON DISTRICT  
POWER DRIVEN MACHINERY RESTRICTIONS  
(Non-logging activities)**

The following is a guide to legal requirements for commercial non-logging operations on forestland where fire or internal combustion engines are used. Forestland means any woodland, brush land, timberland, grazing land or clearing that contains enough vegetation to constitute a fire hazard, regardless of how the land is zoned or taxed. Operations do not include the culture and harvest of agricultural crops. As a guide, the following is not intended to describe every requirement or situation.

**Requirements Table**

**General requirements that apply to all operations when fire season is in effect**

- Obtain a Power Driven Machinery Permit from the Department of Forestry
- Spark arrester on all Internal Combustion Engines, except
- fully turbo-charged engine in good condition,
- gasoline engine in vehicle operated on public road with adequate muffler with baffles in good repair
- Factory installed mufflers on vehicles less than 50 cu in displacement
- Enough fire tools on the job for the number of employees but at least 1 tool per person (Tools must be on-site when operating and during *Fire watch* <sup>2</sup>)
- No smoking except in a safe area away from flammable vegetation
- Each truck must have a 2A:10BC, 5 lb. fire extinguisher, shovel, and an axe or pulaski
- Take immediate action to control and extinguish any fire started in operation area
- **\*Fire watch must constantly observe the operation area during any breaks in operation activity and when power driven machinery is shut down for the day**

**Industrial Fire Precaution Level**

Activity	I – Fire Season	II – Limited Shutdown	III – Restricted Shutdown	IV – Complete Shutdown
<b>Handheld equipment with internal combustion engine</b> , i.e. gas-powered string trimmers, power saws	Spark arrester, 8 oz. fire extinguisher & shovel	Level I requirements, Prohibited 1-8 PM	Level I requirements, work in conjunction with <i>Mechanized equipment</i> <sup>3</sup> or <i>water supply</i> <sup>5</sup> prohibited 1-8 PM	<b>ALL WORK ON CLEARED<sup>1</sup> OR IRRIGATED AREAS ONLY:</b> Operation of all power equipment when operating in conjunction with <i>Mechanized equipment</i> <sup>3</sup> and with a <i>water supply</i> <sup>5</sup> prohibited 10am -8pm
<b>Non-handheld equipment with internal combustion engine</b> , i.e. dozers, back hoes, well drillers, generators	Spark arrester, 2A:10BC, 5lb. fire extinguisher	Level I requirements, Between 1-8 PM must be on <i>cleared area</i> <sup>1</sup>	Level I requirements, work on <i>Cleared area</i> <sup>1</sup> , Prohibited 1-8 PM	
<b>Vehicle use off-road</b> <sup>4</sup>	Factory muffler or spark arrester and exhaust in good condition	Level I requirements, Prohibited 1-8 PM	Level I requirements, Prohibited 1-8 PM	Prohibited
<b>Commercial Non-agricultural mowing of dry grass</b>	Spark arrester, 2A:10BC, 5 lb. fire extinguisher	Level I requirements, Use same hours as general public	Prohibited	Prohibited
<b>Blasting, cutting and welding</b>		Prohibited 1-8 PM	Work on <i>Cleared area</i> <sup>1</sup> & in conjunction with <i>water supply</i> <sup>5</sup> Prohibited 1-8 PM	Prohibited
<b>Fire watch</b> <sup>2</sup> <i>With communication</i>	*1 hour	*2 hours	*3 hours	While operating & for 3 hours

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**LEVEL I - FIRE SEASON IN EFFECT**

- \*Obtain a Power Driven Machinery Permit from the Department of Forestry
  - \*Spark arrester on all Internal Combustion Engines, except
    - fully turbo-charged engine in good condition,
    - gasoline engine in vehicle operated on public road with adequate muffler with baffles in good repair
  - \*Factory installed mufflers on vehicles less than 50 cu in displacement
  - \*Enough fire tools on the job for the number of employees but at least 4 tools (Tools must be on-site when operating and during *Fire watch*)
  - \*2A10BC (5 lb.) or \*\*equivalent fire extinguisher on each non-handheld Internal Combustion Engine
  - \*Handheld Power Equipment must have minimum 8 oz. fire extinguisher and shovel
  - \*No smoking except in a safe area away from flammable vegetation
  - \*Each truck must have a 2A:10BC, 5 lb. fire extinguisher, shovel, and an axe or pulaski
  - \*Take immediate action to control and extinguish any fire started in operation area
  - *Fire watch* with communication for 1 hour; *Fire watch must constantly observe the operation area during any breaks in operation activity and when power driven machinery is shut down for the day.*
- (\* Same for all levels)

**LEVEL II – LIMITED SHUTDOWN (near Regulated Closure)**

**Level I items above marked \* and the following activities are prohibited between 1 & 8 PM\*:**

- Blasting, welding and cutting
- *Vehicle use off-road*
- \*Commercial Non-agricultural mowing of dry grass same hours as general public (Regulated Closure)
- Non-handheld equipment with Internal Combustion Engines , except when on a *cleared area*
- Operation of handheld power equipment
- *Fire watch* with communication for 2 hours; *Fire watch must constantly observe the operation area during any breaks in operation activity and when power driven machinery is shut down for the day.*

**LEVEL III – RESTRICTED SHUTDOWN**

**Level I items above marked \* and the following activities are prohibited all day, except as noted:**

- **Operation of handheld power equipment**
  - Except may operate until 1 PM when operating in conjunction with *Mechanized equipment* or with a *water supply*.
- **Blasting, Welding or Cutting**
  - Except may operate until 1 PM when on a *cleared area* and with a *water supply*.
- **Non-handheld equipment with Internal Combustion Engines**
  - Except may operate until 1 PM when on *cleared areas*.
- Commercial Non-agricultural mowing of dry grass.

**The following activities are prohibited between 1 & 8 PM.**

- All Power Driven Machinery.
- Vehicle use off-road.
- *Fire watch* with communication for 3 hours; *Fire watch must constantly observe the operation area during any breaks in operation activity and when power driven machinery is shut down for the day.*

**ADDITIONAL EQUIPMENT & WATER SUPPLY MAY BE REQUIRED FOR CERTAIN OPERATIONS**

**LEVEL IV - COMPLETE Shutdown**

**Level I items above marked \* and the following activities are prohibited all day:**

- Blasting, Cutting, or Welding
- Commercial Non-agricultural mowing of dry grass

**The following activities may operate until 1 PM, BUT ALL WORK ON CLEARED OR IRRIGATED AREAS ONLY:**

- Operation of all power equipment when operating in conjunction with *Mechanized equipment* and with a *water supply*
- *Fire watch* with communication for 3 hours; *Fire watch must constantly observe the operation area and when power driven machinery is shut down for the day.*

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**Definitions:**

<sup>1</sup> Cleared area means an area cleared of all flammable vegetation and debris in a 50' radius.

<sup>2</sup> Fire watch means a person who is physically capable and qualified in the use of assigned firefighting equipment for any fire started in the operation area, can observe all portions of operation area, and has adequate facilities to summon assistance within 10 minutes and determine a safety zone and escape route that will not be cut off if the fire increases or changes direction.

<sup>3</sup> Mechanized equipment means machinery capable of constructing fireline, such as a dozer or skidder.

<sup>4</sup> Vehicle use off-road (for nonrecreational purposes) means vehicles not capable of constructing fireline, such as ATV's, cars, and trucks, that are off of roads maintained for the use of passenger cars and which are clear of flammable vegetation and debris.

<sup>5</sup> Water supply requirements:

- All Water supply and equipment components must be maintained and located in an area available for immediate use.
- The Water supply must be 300 gallons or larger, when it is self-propelled or 500 gallons or larger, when it is not self-propelled.
- The pump must be capable of providing a discharge of not less than 20 gallons per minute at 115 psi.
- At least 250 feet of 3/4-inch diameter or larger hose must be provided, fitted with a nozzle, connected to the pump and to the water supply as one operating unit.
- Provide enough hose, not less than 3/4 inch diameter, to reach any location on the operation area affected by power driven machinery (Minimum 500ft of hose total).
- Minimum of one tool per person required
- Keep all tools in fire toolboxes. Maintain all tools so they are in good working condition with sharpened cutting edges and sturdy handles.