



FIRE SEASON REQUIREMENTS

The following fire season requirements become effective when fire season is declared in each Oregon Department of Forestry Fire Protection District, including those protected by associations (DFPA, CFPA, WRPA).

NO SMOKING (477.510)

No smoking while working or traveling in an operation area.



HAND TOOLS (ORS 477.655, OAR 629-43-0025)

Supply hand tools for each operation site - 1 tool per person with a mix of pulaskis, axes, shovels, hazel hoes. Store all hand tools for fire in a sturdy box clearly identified as containing firefighting tools. Supply at least one box for each operation area. Crews of 4 or less are not required to have a fire tools box as long as each person has a shovel, suitable for fire-fighting and available for immediate use while working on the operation.



FIRE EXTINGUISHERS (ORS 477.655, OAR 629-43-0025)

Each internal combustion engine used in an operation, except power saws, shall be equipped with a chemical fire extinguisher rated as not less than 2A:10BC (5 pound).



POWER SAWS (ORS 477.640, OAR 629-043-0036)

Power saws must meet Spark Arrester Guide specifications - a stock exhaust system and screen with \leq .023 inch holes.

The following shall be immediately available for prevention and suppression of fire:

- ◆ One gallon of water or pressurized container of fire suppressant of at least eight ounce capacity
- ◆ 1 round pointed shovel at least 8 inches wide with a handle at least 26 inches long
- ◆ The power saw must be moved at least 20' from the place of fueling before it is started.



FIRE TOOLS, EXTINGUISHERS FOR TRUCKS (ORS 477.655, OAR 629-043-0025)

Equip each truck driven in forest areas for industrial purposes with:

- ◆ 1 round pointed shovel at least 8 inches wide, with a handle at least 26 inches long
- ◆ 1 axe or Pulaski with 26 inch handle or longer
- ◆ 1 fire extinguisher rated not less than 2A:10BC (5 pound).



SPARK ARRESTERS AND MUFFLERS (ORS 477.645, OAR 629-043-0015)

All non-turbo charged engines must meet Spark Arrester Guide specifications except:

- ◆ Fully turbo charged engines.
- ◆ Engines in motor vehicles operating on improved roads equipped with an adequate muffler and exhaust system.
- ◆ Engines in light trucks (26,000 GVW or less) that are equipped with an adequate muffler and an exhaust system.
- ◆ Engines in heavy trucks (greater than 26,000 GVW) that are equipped with an adequate muffler and exhaust system.
- ◆ If a truck engine is not fully turbo-charged, then the exhaust must extend above the cab and discharge upward or to the rear, or to the end of the truck frame.
- ◆ Water pumping equipment used exclusively for fighting fire.
- ◆ Engines of 50 cubic inch displacement or less, except ATV's and motorcycles, shall be equipped with an adequate muffler and an exhaust system.
- ◆ Engines in ATV's and motorcycles must be equipped with an adequate muffler and exhaust system or an approved screen, which completely encloses exhaust system.
- ◆ Power saws. (See power saw requirements)



PUMP, HOSE, AND WATER SUPPLY (ORS 477.650, 477.625, OAR 629-043-0026, 629-43-0020)

Supply a pump, hose and water supply for equipment used on an operation.



- ◆ Pump must be maintained ready to operate and capable to provide a discharge of not less than 20 gallons per minute at 115 psi at pump level. **Note: Volume pumps will not produce the necessary pressure to effectively attack a fire start. Pressure pumps are recommended.**
- ◆ Water supply shall be a minimum of 300 gallons if a self-propelled engine.
Water supply shall be a minimum of 500 gallons if not self-propelled (pond, stream, tank, sump, trailer, etc.)
- ◆ One water supply is adequate as long as the operator can deliver water to the fire within 10 minutes
- ◆ Provide enough hose (500 feet minimum) not less than 3/4" inside diameter to reach areas where power driven machinery has worked.

Note: Should a fire occur, the operator must be able to position the water supply in a location where enough hose is available to reach the area worked by power driven machinery. This includes mobile equipment as well as motorized carriages and their moving lines. Moving lines are defined as main lines and haul back lines. This can be achieved in many ways, including the practice of having a water tank and hose attached to a piece of equipment, like a skidgen or skidder, that can get the water to the fire.

- ◆ Water supply, pump, and at least 250' of hose with nozzle must be maintained as a connected, operating unit ready for immediate use.

CABLE LOGGING OPERATIONS (ORS 477.625, 477.655, OAR 629-043-0026, 629-043-0025)

Clear the ground of flammable debris within a 10-foot radius around any block. This cleared area shall be kept free of flammable debris while the block is in use.

Provide at each block:

- ◆ 5 gallon pump can filled with water
- ◆ 1 round pointed shovel at least 8 inches wide with a handle at least 26 inches long.

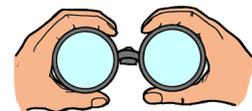
FIRE WATCH SERVICE (477.665, 629-043-0030)

Each operation area is to have a Firewatch.

Fire watch shall be on duty during any breaks (up to 3 hours) and for three hours after all power driven machinery used by the operator has been shut down for the day. *Note: Some ODF districts waive this requirement based on the IFPL in place. Check with the district in which you are working.*

Fire watch shall:

- ◆ Be physically capable and experienced to operate firefighting equipment.
- ◆ Have facilities for transportation and communications to summon assistance.
- ◆ Observe all portions of the operation on which activity occurred during the day.



Upon discovery of a fire, Firewatch personnel must: First report the fire, summon any necessary firefighting assistance, describe intended fire suppression activities and agree on a checking system; then, after determining a safety zone and an escape route that will not be cut off if the fire increases or changes direction, immediately proceed to control and extinguish the fire, consistent with firefighting training and safety.

OPERATION AREA FIRE PREVENTION (477.625, 629-043-0026)

- ◆ Keep all power driven machinery free on excess flammable material which may create a risk of fire.
- ◆ Avoid line-rub on rock or woody material, which may result in sparks or sufficient heat to cause ignition of a fire.
- ◆ Disconnect main batteries from powered components (other than what may be necessary to retain computer memory) through a shut-off switch or other means or, leave equipment on ground cleared of flammable material.

NOTICE:

THESE ARE MINIMUM STANDARDS BY LAW. MANY LANDOWNERS REQUIRE ADDITIONAL REQUIREMENTS.

Industrial Fire Precaution Levels (IFPLs) for Oregon Department of Forestry Protection west of the Cascades

IFPL I. Fire Season

Fire season requirements are in effect. In addition to other fire prevention measures, a Firewatch is required at this and all higher levels unless otherwise waived.

IFPL II. Limited Shutdown

The following may operate only between the hours of 8 P.M. and 1 P.M.:

- ◆ Power saws except at loading sites;
- ◆ Feller-bunchers with rotary head saws;
- ◆ Cable yarding;
- ◆ Blasting;
- ◆ Welding, cutting, or grinding of metal.



IFPL III. Restricted Shutdown

The following is prohibited except as indicated:

- ◆ Cable yarding - except that gravity operated logging systems employing non-motorized carriages or approved motorized carriages (defined below), may operate between 8 P.M. and 1 P.M. when all blocks and moving lines are suspended 10 feet above the ground except the line between the carriage and the chokers and during rigging.

The following are permitted to operate between the hours of 8 P.M. and 1 P.M. where mechanized equipment capable of constructing fire line is immediately available to quickly reach and effectively attack a fire start:

- ◆ Ground-based operations (defined below);
- ◆ Power saws on ground-based operations;
- ◆ Rotary head saw feller-bunchers with a continuous Firewatch;
- ◆ Non-rotary head saw feller-bunchers;
- ◆ Tethered logging systems (defined below).

The following are permitted to operate between the hours of 8 P.M. and 1 P.M.:

- ◆ Power saws at loading sites;
- ◆ Loading or hauling of any product or material;
- ◆ Blasting;
- ◆ Welding, cutting, or grinding of metal;
- ◆ Any other spark emitting operation not specifically mentioned.



IFPL IV. Complete Shutdown

All operations are prohibited.

NOTE: Where hauling involves transit through more than one shutdown/regulated use area, the precaution level at the woods loading site shall govern the level of haul restriction, unless otherwise prohibited by other than the IFPL system. Under IFPL III, all trucks must be loaded and leaving the loading site no later than 1 P.M.

IFPL Definitions

Approved motorized carriage: a cable yarding system employing a motorized carriage with two fire extinguishers, each with at least a 2A:10BC rating, mounted securely on opposite sides of the carriage, an emergency motor cutoff, and an approved exhaust system.

Cable yarding system: a yarding system employing cables, and winches in a fixed position.

Fire Season: that season of the year when a fire hazard exists as declared by the responsible agency official.

Ground-based operations: mobile and stationary equipment operations other than cable yarding systems, including but not limited to tractor/skidder, feller-buncher, forwarder, processor, and shovel operations.

Loading sites: a place where any product or material (including, but not limited to logs, firewood, slash, soil, rock, poles, etc.) is placed in or upon a truck or other vehicle. loading site shall govern the level of haul restriction, unless otherwise prohibited by other than the industrial precaution level system.

Tethered logging system: winch-assisted, cable-assisted, traction-assisted, etc., which enable ground-based timber harvesting machines to operate on steep slopes.

Waivers

Waivers, written in advance, may be used for any and all activities. Activities for which waivers may be issued include, but are not limited to:

- ◆ mechanized loading and hauling.
- ◆ road maintenance such as sprinkling, graveling, grading and paving.
- ◆ cable yarding using gravity systems or suspended lines and blocks, or other yarding systems where extra prevention measures will significantly reduce the risk of fire.
- ◆ power saws at loading sites or in felling and bucking where extra prevention measures will significantly reduce the risk of fire.
- ◆ maintenance of equipment (other than metal cutting and welding) or improvements such as structures, fences and powerlines.

Best Management Practices for Forest Operations Checklist

- ◆ Assure good communications are established with protection district.
- ◆ Keep all equipment clean of flammable material and debris.
- ◆ Utilize and keep in good working condition manufacturer recommended non-sparking clamping jaws on braking systems on carriages.
- ◆ Clean out spark arrester ports.
- ◆ Hydraulic and fuel lines are in good condition.
- ◆ Battery hold-downs are in good repair and positive terminal is insulated;
- ◆ Electrical wiring and circuit breakers are in good working order according to manufacturer specifications;
- ◆ Pumps and fire trucks are in good working condition;
- ◆ Line rub is eliminated;
- ◆ Where possible, and when not in use, park equipment overnight in location clear of flammable material.
- ◆ Monitor relative humidity hourly and consider shut down when relative humidity drops below 30 percent.

NOTE: The IFPL system does not apply on lands protected by ODF east of the summit of the Cascades.