



FIRE EQUIPMENT REQUIREMENTS

(Requirements go into effect with the start of fire season)



OPERATION (477.001)

- An operation is defined as; **any industrial activity, any development, or any improvement on forestland** including but not limited to the harvesting of forest tree species, the clearing of land, the use of power-driven machinery and the use of fire, excluding, however, the culture and harvesting of agricultural crops.

HAND TOOLS (477.655, 629-43-0025)

- Supply hand tools for each operation site - 1 tool per person, minimum of 4 tools on site. Even 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.

FIRE EXTINGUISHERS (477.655, 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 2 1/2 pound ABC (1-A:10-B:C). Note: As of July 01, 2007, OR-OSHA requires a 5 pound ABC fire extinguisher (2-A:10-B:C).

POWER SAWS (477.640, 629-043-0036)

- Each power saw must be equipped with an exhaust system which retains at least 90% of carbon particles over .023" in diameter. A standard exhaust screen with .023" holes meets this requirement.
- Power saws on industrial operations must meet Spark Arrester Guide specifications.
- The following shall be immediately available for prevention and suppression of fire:
 - A fire extinguisher of at least 8 oz. 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, EXTINGUISHER FOR TRUCKS (477.655, 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 2½ pound ABC.

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

- All non-turbo charged engines must be equipped with an approved spark arrester that meets Spark Arrester Guide specifications.
- Except:
 - Engines in motor vehicles operating on public roads must be equipped with an adequate muffler and exhaust system.
 - Water pumping equipment used exclusively for fighting fire is exempt from this requirement.
 - 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 light trucks (26,000 GVW or less) must be equipped with an adequate muffler and an exhaust system.
 - Engines in heavy trucks (greater than 26,000 GVW) must be equipped with an adequate muffler and exhaust system. If the 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.
 - 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 (477.650, 477.625, 629-043-0026, 629-43-0020)

- Supply a pump, hose and water supply for equipment used on an operation for more than 2 days.
- Pump must be maintained ready to operate and capable to provide a discharge of not less than 20 gallons per minute when pumping through 50' of hose equipped with a nozzle 1/4" in diameter at pump level.
- 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, etc.)
- Provide at least 500' of hose not less than 3/4" inside diameter
- Water supply, pump, and at least 250' of hose and nozzle shall be maintained as a connected, operating unit ready for immediate use.

CABLE LOGGING OPERATIONS (477.625, 477.655, 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.
- Avoid line-rub on rock or woody material, which may result in sparks or sufficient heat to cause ignition of a fire.

NO SMOKING (477.510)

- No smoking while working or traveling in an operation area.

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

- Each operation area is to have a fire watch.
- Fire watch shall be on duty for three hours after all power driven machinery used by the operator has been shut down for the day. 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.
 - Immediately proceed to control and extinguish the fire and summons assistance.

FLAMMABLE MATERIAL ON EQUIPMENT (477.625, 629-043-0026)

- Keep all power driven machinery free on excess flammable material which may create a risk of fire.

NOTICE:

THESE ARE MINIMUM STANDARDS BY LAW. MANY LANDOWNERS GO BEYOND THE LAW AND HAVE ADDITIONAL REQUIREMENTS.

TO REPORT A FIRE CALL 911.

FIRE CLOSURE INFORMATION:

www.oregon.gov/ODF/FIRE/precautionlevel.shtml

FOR QUESTIONS PLEASE CONTACT YOUR NEAREST OREGON DEPARTMENT OF FORESTRY OR FOREST PROTECTIVE ASSOCIATION OFFICE.

Information included is only a summary of each law, for more information contact your nearest ODF or FPA office.