

U.S. Department of Agriculture Forest Service	WORK PROJECT/ACTIVITY: Brushing/Chainsaw Use	LOCATION: Descanso R.D.	UNIT: 02-54
JOB HAZARD ANALYSIS (JHA) References-FSH 6709.11 and -12	NAME OF ANALYST:	JOB TITLE:	DATE PREPARED:

TASK/PROCEDURES	HAZARDS	ABATEMENT ACTIONS
		Engineering Controls * Substitution * Administrative Controls * PPE
Travel to from Project	<ul style="list-style-type: none"> <li>• Vehicle condition</li> <li>• Weather</li> <li>• Road Conditions</li> <li>• Other Drivers</li> <li>• Animals</li> <li>• Backing vehicle</li> </ul>	<ul style="list-style-type: none"> <li>• Perform pre-trip inspection on vehicle. Conduct scheduled PM inspections.</li> <li>• Drive to avoid accident situations created by weather or road conditions.</li> <li>• Always wear your seat belt. Reduce speed when driving on wet surfaces.</li> <li>• To prevent accidents, make concessions to other drivers who are thoughtless, unskilled, or ignorant of the hazards they create. Always use a person to serve as a guide for backing when available. Use chock blocks when parked.</li> </ul>
Carrying Chainsaw	<ul style="list-style-type: none"> <li>• Cuts</li> <li>• Falls</li> <li>• Burns</li> </ul>	Stop saw before carrying. Point bar forward when going downhill and the saw is at the side. Point bar to the rear when going uphill and the saw at the side. Pack and guard bar and dogs when carrying saw on the shoulder. To avoid fatigue chain saw should be carried on shoulder. Maintain minimum 10 feet walking space between crewmember. Ensure fuel cap on saw is secure.
Personal Protection Equipment	<ul style="list-style-type: none"> <li>• Cuts</li> <li>• Hearing Loss</li> <li>• Eye Injuries</li> <li>• Head injuries</li> </ul>	Wear gloves ,chaps,hardhat,safety glasses,hearing protection,sturdy boots with slip resistant soles. Use shoulder pads. Keep shirt collar up while carrying saw on shoulder . The leg protection (chaps) shall cover the full length of the thigh to the top of the boots. First aid kits shall be available at the work site and on each transport vehicle. OSHA 1910.266 App A
Fueling Chainsaw	<ul style="list-style-type: none"> <li>• Burns</li> <li>• Spillage</li> <li>• Fire</li> </ul>	<ul style="list-style-type: none"> <li>• Stop the saw when checking fuel or bar oil levels and when refueling. Fill tank on bare ground or other noncombustible surface. Wipe spilled fuel off saw. Never start saw within 10 feet of the fueling area.</li> <li>• Refuel saw at least 50 feet from persons smoking or other potential sources of ignition.</li> </ul>
Environmental Conditions	<ul style="list-style-type: none"> <li>• Lightning</li> <li>• Rain</li> <li>• Strong winds</li> <li>• Darkness</li> </ul>	All work shall terminate and each employee shall move to a place of safety when environmental conditions create a hazard for the employee.
Starting Saw	<ul style="list-style-type: none"> <li>• Kickback</li> <li>• Cuts</li> </ul>	<ul style="list-style-type: none"> <li>• There are two recognized methods for safely starting a saw.</li> <li>• In both methods, the trigger lock should not be used.</li> <li>• On Ground starting.</li> <li>• Stand starting.</li> <li>• Drop Starting is prohibited.</li> </ul>
Brushing and limbing	<ul style="list-style-type: none"> <li>• Kickback</li> <li>• Puller/swamper</li> <li>• uneven terrain</li> <li>• Fatigue</li> </ul>	Secure firm footing. Keep feet spread apart in a wide balanced stance. Feet should be placed so as to keep feet and legs away from saw chain. Keep a firm grip on saw with both hands. Fatigue is a major hazard . Do not operate chain saw when fatigue makes proper stance and handling difficult. Look up for widow makers and other loose debris. Don't cut under a hazard. Remove the hazard or relocate the cutting location. Flush cut limbs and stems. Never cut with engine higher than your chest. Clear debris from cutting location so that the guide bar tip is not accidently stubbed.

TASK/PROCEDURES	HAZARDS	<b>9. ABATEMENT ACTIONS</b> <b>Engineering Controls * Substitution * Administrative Controls * PPE</b>
Chainsaw Operator	<ul style="list-style-type: none"> <li>• Various Injuries</li> <li>• Damage to equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Train new operators in chain saw use. Never let trainee sawyers operate without constant, direct supervision until they demonstrated the ability to handle the saw independently and proficiently.</li> <li>• Ensure that personnel are in good physical condition before allowing them to operate a chain saw. A sawyer should not work alone.</li> <li>• Daily safety tailgate sessions shall be conducted and documented.</li> </ul>
Emergency Evacuation Plan	<ul style="list-style-type: none"> <li>• Illness or Injury</li> </ul>	<ul style="list-style-type: none"> <li>• All operators shall receive First aid and CPR training. OSHA 1910.266 App B.</li> <li>• For sites with chain saw operations, as a minimum, supply type IV ( Belt ) first aid kit. Serious illness or injury notify ECC by radio request EMS from local agency. Follow San Diego County EMS protocol.</li> <li>• Notify your Supervisor as soon as possible of the incident.</li> <li>• Use Blood Borne Pathogen precautions.</li> <li>• Complete necessary paperwork.</li> </ul>
<b>LINE OFFICER SIGNATURE</b>	<b>TITLE</b>	<b>DATE</b>

