

Loss Control Management
NPS - 50
Job Safety Analysis Program

GLACIER NATIONAL PARK
 JOB SAFETY ANALYSIS (JSA)

Job Title: CHAINSAW OPERATION	Date:	x NEW REVISED
Job Location:	Division:	Branch:
Name of Employee(s) Involved in Analysis:	Supervisor:	Division Chief:

KEY STEPS	HAZARDS	SAFETY PROCEDURES	RESPONSIBILITY
Chainsaw Use ad Operation	General	<p>ALL OPERATORS OF CHAINSAWS ARE REQUIRED TO HOLD A QUALIFICATION CARD WITH A MINIMUM PROFICIENCY LEVEL OF INTERMEDIATE "B" SAWYER. REFRESHER CLASSES WILL BE ATTENDED EVERY YEAR AND REFRESHER AND FIELD EVALUATION WILL BE ACCOMPLISHED EVERY THREE YEARS.</p> <p>APPROPRIATE PPE WILL BE WORN AT ALL TIMES WHEN OPERATING CHAINSAWS. THIS INCLUDES: EYE PROTECTION, EAR PROTECTION, HARD HAT, LEATHER GLOVES LONG SLEEVED SHIRT, SAW CHAPS, AND HEAVY DUTY ALL LEATHER BOOTS WITH 8" TOP AND NON-SKID SOLES. ALSO, FIRST AID KIT AND FIRE EXTINGUISHER WILL BE KEPT IMMEDIATELY AT HAND DURING SAWING OPERATIONS.</p> <p>MAINTAIN SAW IN GOOD OPERATING CONDITION. WHEN SHARPENING CHAIN, WEAR GLOVES, SAFETY GLASSES, AND FILE GUARDS.</p> <p>ALL SAWS MUST BE EQUIPED WITH A CHAINBRAKE.</p> <p>USE AN APPROVED CLEARLY MARKED CONTAINER FOR GAS AND OIL.</p> <p>REFER TO APPROPRIATE HAZARDOUS MATERIAL JHA. ALLOW SAW TO COOL AT LEAST 5 MINUTES BEFORE REFUELING. IMMEDIATELY CLEAN UP SPILLED FUEL. REFUEL OUTDOORS AND AT LEAST 20 FEET FROM OPEN FLAME OR OTHER SOURCES OF IGNITION.</p> <p>PAY ATTENTION AT ALL TIMES!!!</p> <p>NEVER, NEVER OPERATE SAW WHILE WORKING ALONE!!!</p>	

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		<p>KNOW WHERE YOUR FELLOW WORKERS ARE AT ALL TIMES!!!</p> <p>KEEP FELLOW WORKERS AT A SAFE DISTANCE FROM SAWING OPERATIONS.</p> <p>MAINTAIN A SECURE GRIP ON THE SAW AT ALL TIMES.</p> <p>ALWAYS START SAW WITH THE CHAIN BRAKE ENGAGED. START SAW ON THE GROUND OR WHERE OTHERWISE FIRMLY SUPPORTED. "DROP STARTING" SAW IS NOT PERMITTED!</p> <p>WHEN CARRYING SAW FOR SHORT DISTANCES, ACTIVATE CHAIN BRAKE. FOR LONGER DISTANCES, SHUT SAW OFF AND INSTALL BAR AND CHAIN GUARD.</p> <p>BE SURE OF YOUR FOOTING. KEEP WORK AREA CLEAN AND AVOID TRIPPING HAZARDS.</p> <p>MAINTAIN A COMFORTABLE POSITION! CUTTING WITH THE POWER HEAD POSITIONED BETWEEN THE WAIST AND SHOULDER SHOULD BE CONSIDERED AS A DANGER ZONE. CUTTING WITH THE POWERHEAD POSITIONED ABOVE SHOULDER HEIGHT IS NOT PERMITTED.</p> <p>DO NOT POSITION YOURSELF IN SUCH A WAY THAT YOU CANNOT MOVE ABOUT FREELY. LEAVE YOURSELF AN ESCAPE ROUTE.</p> <p>KNOW WHERE THE TIP OF THE BAR IS AT ALL TIMES. "PLUNGE" CUTTING CAN CAUSE SERIOUS "KICKBACK" AND SHOULD ONLY BE ATTEMPTED BY WORKERS WITH DEMONSTRATED COMPETENCY.</p> <p>BE SURE LOGS ARE BLOCKED OR SECURED BEFORE BEGINNING SAWING OPERATIONS. KNOW WHERE "LOG DOGS" ARE LOCATED.</p> <p>WHEN BUCKING, ALWAYS WORK FROM THE UPHILL SIDE.</p> <p>IF USING SAW INDOORS, ENSURE THERE IS ADEQUATE VENTILATION!</p>	

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PREPARATION: GETTING FUEL, TOOLS, SAFETY EQUIPMENT	WRONG FUEL AND/OR OIL, FUEL SPILLAGE, INSUFFICIENT SAFETY EQUIPMENT, SLIPS, LOOSE CHAIN/BOLTS	CHECK CHAIN AND BOLT TIGHTNESS, CHECK CHAIN BRAKE, READ OPERATOR'S MANUAL FOR CORRECT FUEL AND SAFE OPERATING PROCEDURES. MAKE SURE PERSONAL SAFETY EQUIPMENT FITS AND IS IN GOOD WORKING ORDER	SUPERVISOR/ EMPLOYEE
CLEAR WORK AREA	TRIPPING, OTHER EMPLOYEES BEING STRUCK BY FALLING OBJECTS	CLEAR JOB SITE OF TRIPPING HAZARDS AND CLEAR OF OTHER EMPLOYEES	EMPLOYEE
STARTING AND WARMING UP OF CHAIN SAW	FLOODING ENGINE, LOSS OF CONTROL, CUT FROM CHAIN, SAW KICKBACK, FIRE	SET CHAIN BREAK, CLEAR CHAIN PASSAGE, SECURE SAW WHILE STARTING, IDLE TO OPERATING TEMPERATURE	EMPLOYEE
OPERATION	KICKBACK, CUTS FROM CHAIN, WHIPBACK, BEING STRUCK FROM FALLING TREES, WRENCHING FROM PINCHED BAR, FIRE, BACK INJURIES	READ OPERATING INSTRUCTIONS AND KNOW HOW TO USE SAW SAFELY, KNOW FELLING TECHNIQUES, HOW TO AVOID KICKBACK AND PINCHING. TURN OFF SAW WHEN MOVING. HAVE SECURE FOOTING. DO NOT USE SAW THAT IS TOO BIG	EMPLOYEE
REFUELING	FIRE, EXPLOSION, TRIPS, SLIPS	COOL DOWN SAW BEFORE REFUELING. POUR FUEL CAREFULLY AND SLOWLY, AVOID SPILLS. AVOID OPEN FLAMES AND SMOKING	EMPLOYEE
SHUTDOWN	SLIPPERY SURFACES, BOUND BRANCHES, HEATED SURFACES, BACK INJURIES, SHARP CUTTING EDGES	DO NOT WALK ON LOGS, SLIPPERY, OR OILY SURFACES. PUT GUARD ON CHAIN. DO NOT TOUCH HOT SAW. RELIEVE PRESSURE ON BOUND MATERIAL	EMPLOYEE
CLEANUP AND STORING	CUTS FROM SHARP EDGES, FIRE, BACK INJURIES, TRIPPING	CLEAN UP WORK AREA. CLEAN AND SHARPEN SAW AND ENCASE CHAIN IN GUARD. DEFUEL BEFORE STORING. STORE RELATED TOOLS PROPERLY	EMPLOYEE