SPECIFICATIONS PURSUANT TO CT2.35# - DESIGNATION OF TIMBER AND SUBDIVISION BOUNDARIES *(8/2007)*

Timber Designation Table A

Unit/ Payment Unit/ Area	Tree Paint Color	Designation or Specification
Sale Area	**Green or Green "X" or Green "C"**	**Roadside Hazard Tree**. Notwithstanding BT2.32 all dead and unstable live trees which are leaning towards a road or are otherwise hazardous to a road, and are sufficiently tall to reach Purchaser's landings or the roadbed of National Forest System roads within Sale Area, shall be felled by Purchaser when Marked in the specified paint color above and below stump height by Forest Service in advance of felling any other timber in the vicinity. Pieces meeting Utilization Standards from such dead and unstable live trees shall be removed unless Purchaser is notified in writing that removal would cause unacceptable damage to areas requiring special protection such as residual timber, roads, administrative sites, streamside management zones, and areas identified on Sale Area Map or on the ground.
Sale Area	**Green**	**Individual Tree Mark**. Individual trees are designated for cutting only if Marked above and below stump height with the specified paint color.
Not Applicable		Leave Tree Mark. All live < > are designated for cutting unless Marked as leave trees. Leave trees are Marked above and below stump height with the specified paint color. Sale Area Map indicates areas plainly identified on the ground where leave trees are Marked to be left uncut.
Not Applicable		Salvage Area. In addition to Roadside Hazard Trees, other dead and dying timber standing or down that meets the size specification in A2, may be designated for cutting in Salvage Areas shown on the Sale Area Map when Marked with the specified paint color in advance of felling other timber in the vicinity.
Not Applicable		Wildlife Trees. Notwithstanding the designation for cutting under BT2.3l, BT2.33, BT2.34,or BT2.35, trees which are identified by standard Forest Service metal wildlife tree sign or painted with the specified paint color on the uphill and downhill side, shall be left uncut. In event such trees are destroyed in Purchaser's Operations, Forest Service may designate alternate trees to be saved.
Not Applicable		Designation by Spacing CT2.351#
Not Applicable		Designation by Species and Diameter, CT2.352#
Not Applicable		Designation by Damage Class, CT2.353#
Not Applicable		Designation by Row Spacing, CT2.354#
Not Applicable		Subdivision/Unit Boundary Designation

CT5.31# - Contract Road Maintenance Requirements Summary Table

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications									
	From	To		T-801	T-802	T-803	T-804	T-805	T-806	T-807	T-808	T-809	T-810
7N23	HWY 4	1.8	1.8	D	D	D	D	D	D	D	D	D	D
7N23	1.8	6.2	4.4	P	P	P		P		P			
7N09	7N23	0.1	0.1	P	P	P		P		P			

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications									
	From	To		T-801	T-802	T-803	T-804	T-805	T-806	T-807	T-808	T-809	T-810
7N23	HWY 4	1.8	1.8	D	D	D	D	D	D	D	D	D	D
7N23	1.8	6.2	4.4			P			P				
7N09	7N23	0.1	0.1			P			P				

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications									
	From	To		T-801	T-802	T-803	T-804	T-805	T-806	T-807	T-808	T-809	T-810
7N23	HWY 4	1.8	1.8	D	D	D	D	D	D	D	D	D	D
7N23	1.8	6.2	4.4		P	P		P			P		
7N09	7N23	0.1	0.1		P	P		P			P		

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Specifications Pursuant to CT5.35# - Requirements of Road and Water Supply Use, Table A

Load Limitations	Purchaser shall notify Forest Service in writing of the planned size and load distribution for equipment which exceeds the State of California Vehicle Code legal size and weight, and the National Forest System roads to be used. Such notice may be part of plan of operation under BT6.311. Within l5 days after receipt of the written notice Forest Service shall notify Purchaser in writing of any regulations or restrictions that may be needed to protect National Forest Transportation Facilities. A written permit shall be required for moving any vehicle which is in excess of the established legal size and weight which is not listed in the above plan, except as may be authorized in prior written agreements.
Existing Non-National Forest System Roads	Roads not shown on Sale Area Map may be used as Temporary Roads if there is agreement before use is started.
Snow Removal	If Purchaser removes snow from roads, such work shall be done with Forest Service approval and in a manner that will protect roads and adjacent resources. Snow berms shall be removed or placed to avoid accumulation of melt water on the road and prevent water concentration on erosive slopes or soils. Snow must not be removed to the road surface. A minimum 6 inch snow depth must be left to protect the roadway. If the road surface is damaged, Purchaser shall replace lost surface material and repair structures damaged in blading operations prior to hauling, unless climatic conditions prevent necessary work from being accomplished or as otherwise agreed in writing. Single lane roads shall be plowed full width including turnouts. In event double lane roads are not plowed to full width, warning signs shall be required and plowing shall be no less than single lane (12 feet) with intervisible turnouts.
Water Supply Deposits	N/A
Surface Replacement Deposits	Purchaser shall make Required Deposits for deferred surface replacement (16 U.S.C. 537) for use of existing surfaced roads. If applicable, such deposits shall be based upon the volume and distance hauled on the roads and at the applicable rates listed in the table below titled Surface Replacement Deposit Schedule. If Purchaser uses surfaced roads under jurisdiction of Forest Service other than those listed, Forest Service may establish applicable rates for such surfaced roads.

SURFACE REPLACEMENT DEPOSIT SCHEDULE

Road No.	From	To	Miles	Rate ($)
7N23	HWY 4	MP 0.3	0.3	$0.06/MBF
7N23	MP 0.3	MP 1.8	1.5	$1.08/MBF
7N23	MP 1.8	EOP	4.4	$2.18/MBF
			Total	$3.32/MBF

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Specifications Pursuant to CT6.22# – Protection of Improvements, Table A.

Improvement	Owner's or Permittee's Name	Timing	Specifications	Work and Cost of Removal or Relocation Borne by
Distribution Line	PG&E	During Harvest Operations	Protect Powerline during felling operations	Purchaser
Fence	Dell Oro	During Harvest Operations	Protect Permittee fence during felling/skidding operations	Purchaser

Sale Name: 7N23 HT SSTS

SCHEDULE PURSUANT TO CT6.315# - SALE OPERATIONS SCHEDULE (8/2006), Table A

Payment Unit/ Area/Unit	Conditions of Operation	Purpose
Sale Area	Included Timber must be removed from the Sale Area within: 1. four weeks of felling from March 1 to June 30. 2. six weeks of felling from July 1 to September 30. 3. eight weeks of felling from October 1 to December 31 If the Forest Service agrees in writing to allow Included Timber to remain on site from the end of the Normal Operating Season to March 1, material must be removed from the Sale Area before March 1. Logging slash must be treated in accordance with CT6.7# - Slash Treatment within: 1. four weeks from March 1 to June 30. 2. six weeks from July 1 to Sept. 30. 3. eight weeks from Oct. 1 to Feb. 29	Control of slash breeding insects.
Sale Area	All Included Products felled in the woods or decked at landings must be removed within 30 days of cutting from June 1 - September 30 inclusive. Outside of this time period, felling shall be limited to the amount of Included Products that can be removed from the Sale Area within 8 weeks or prior to March 1, whichever is sooner.	Fuels reduction during period of high fire danger.

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Specifications and Treatments Pursuant to CT6.41# - Felling, Bucking and Limbing, Table A

Treatment Method and Applicable Map Symbol	Felling, Bucking and Limbing Specifications
Limbing	Outside of construction clearings, Clearcutting Units and regeneration units, unless otherwise provided by BT6.414, Purchaser shall, prior to skidding/yarding operations, cut exposed limbs from products which are to be skidded/yarded. Such limbing of stems shall be done to a top diameter of approximately 3 inches, at which point the top shall be cut from the remainder of the stem.
No Lop	N/A
Whole Tree Yarding	N/A
Directional Felling "DF"	Within areas designated DF on Sale Area Map, Included Timber shall be directionally felled away from protected streamcourses, roads, fences, cattleguards, distribution lines, meadows, survey monuments, improvements, and Controlled Areas with the use of specialized equipment. Such directional felling shall not be required when in the faller's judgment it is unsafe to do so, and shall be left standing.
Treatment of Stumps	N/A
Maximum Log Length	N/A
Minimum Stump Height	N/A

Ground-Based Skidding Table - CT6.42#, Table A

Map Symbol	Requirements
TRAC	Skid road pattern shall be agreed in advance of felling and main skid roads shall be flagged on the ground in advance of felling. Purchaser shall stage-log by felling and skidding Included Timber in two or more separate operations when necessary to prevent undue damage to the resources or residual stand. Needed tractor trails shall be constructed in advance of skidding. Products shall be end-lined as needed to protect resources or residual timber from unnecessary damage. The number of chokers shall be limited as necessary to avoid unnecessary damage to resources or residual timber. By agreement, tractors may be used to separate products to prevent stain.
SUSP	Products shall be skidded with leading end clear of ground.
SPACE	N/A
ENDL	Endlining shall not be required for distances in excess of 120 feet uphill, and 60 feet downhill.
MAX	N/A
MH	N/A
CTL	N/A

Specifications Pursuant to CT6.6# - Erosion Prevention and Control, Table A

Vegetative Soil Stabilization: N/A

Special Erosion Prevention Measures: N/A

Soil Scarification: N/A.

Backblading: N/A

Tillage: N/A

Areas to Till	Tillage Depth (Inches)	Maximum Acres to Treat
Landings	**N/A**	
Main Skid Roads and Tractor Roads designated by Forest Service	**N/A**	
Temporary Roads	**N/A**	

SPECIFICATIONS PURSUANT TO CT6.7# - SLASH TREATMENT (*8/2006), Table A*
Specified slash treatment methods shall be shown on Sale Area Map or listed in the following tables by the following symbols:

Slash Treatment Methods

Symbol	Method	Definition
PILE	“Piling” small material	Logging slash smaller than 10 inches in large end d.o.b and 10 feet long shall be hand piled for disposal by Forest Service.
REMOVE	"Removing"	Logging Slash shall be moved or hauled to locations shown on Sale Area Map and designated on the ground where it shall be piled for disposal by Forest Service.
SCAT 18"	"Scattering"	Logging Slash shall be scattered to reduce slash concentrations with slash being generally left within 18 or 30 inches of the ground as shown on Sale Area Map. Logging Slash shall be scattered into openings away from and without unnecessary damage to residual trees. All scattered logs shall be limbed, placed away from trees and positioned so they will not roll. When Scattering is specified, another method may be used by agreement.
COVER	“Covering Piles”	All piles shall be covered with a durable waterproof covering as approved by Forest Service. The material shall be at least six feet in width. Piles shall not be less than fifty percent covered, with the covering extending not less than half way down all sides. Pieces of burnable material shall be placed on top of the durable waterproof covering to keep the covering from blowing off the pile.
FELL	“Damaged Small Trees”	Unless treated under other provisions, all trees smaller than the minimum d.b.h. in AT2, over 5 feet in height, and damaged beyond recovery by Purchaser's Operations shall be felled. Such trees shall be limbed to a stem diameter outside bark of approximately 3 inches, at which point the top shall be cut from the remainder of the stem, and shall be bucked into lengths not exceeding 20 feet.

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YUMD	"Yarding Unutilized Material-Decking"	All unutilized material developed by Purchaser's Operations shall be treated by the d.o.b. and length specifications as shown in the unit specification table. All unutilized material shall be Yarded to landings and Decked. Where this is impractical, or other reasons, other locations shall be agreed upon.

Unit	Large End d.o.b. (in)	Length (feet)
Sale Area	**10.0**	**10**

PILING SPECIFICATIONS. All piles shall be reasonably compact and free of soil to facilitate burning and shall be constructed of such size and at such distance from trees so that burning shall not result in unnecessary damage to residual timber. Such Logging Slash shall be bucked into lengths not exceeding ten feet prior to piling. Maximum width of tractor, with brush rake attached, shall not exceed 120 inches. Machine Piling is not required on areas where use of tractors would cause undue damage to residual timber or where slopes exceed 30 percent. Piles shall be located a distance of at least twice their height in feet from the outer edge of tree crowns or snags. Piles shall be no less than four feet in height or greater than 10 feet in height. Material extending three feet or more outside the edge of a pile shall be trimmed. An eight foot fuelbreak shall be cleared of all but fine material around each Machine Pile and an 18 inch wide fireline shall be cleared to mineral soil around the outer ring of the fuelbreak. For hand piles, Purchaser shall construct a fireline cleared to mineral soil and at least 3 feet wide around each pile. In areas where there is a potential for burning material to roll, firelines, including those for Machine Piles, shall be trenched on the downhill side of each pile to adequately prevent material from crossing firelines. Trenches shall be constructed by hand unless otherwise agreed.

UNIT NUMBER. SLASH TREATMENT SPECIFICATIONS.

	SLASH TREATMENT	
Unit No:	***Specified Method***	***Prohibited Method***
N/A		

LANDINGS AND DISPOSAL SITES. Unutilized logs accumulated at landings and disposal sites shall be Decked by Purchaser for disposal by Forest Service. The maximum height of decks is shown in the following table. Other slash accumulated at landings and disposal sites shall be kept separate from unutilized logs and treated by the method shown in the following table.

		SLASH TREATMENT	
	Unit No.	***Specified Method***	***Maximum Height of Decks***
Landings	**Entire Sale Area**	**MACH**	**10 Feet**

Sale Name: 7N23 HT SSTS

TREATMENT ALONG PERMANENT ROADS Permanent roads that require roadside slash treatment are listed in the attached table and shown on Sale Area Map. All Logging and Construction Slash within Required Disposal Strips shall be treated by Purchaser. "Required Disposal Strips" are those areas adjacent to permanent roads where slash treatment is required for resource objectives. The width of Required Disposal Strips is shown in the attached table and is measured in slope distance from Roadbed edges of permanent roads. By agreement, in Clearcutting Units and regeneration units slash from Required Disposal Strips may be treated with other Logging Slash. By agreement the location of Required Disposal Strips may be adjusted from side to side without materially changing the total work required.

Slash treatment in Required Disposal Strips shall be accomplished without affecting the proper functioning of channels leading to and from drainage structures.

Logging Slash larger than treatment size requirements of the specified method shall either be Scattered outside Required Disposal Strip, within Required Disposal Strip or Decked at agreed locations as shown in the attached table.

			SLASH TREATMENT	
Road No.	***Payment Unit No.***	***Width of Required Disposal Strip***	***Specified Method***	***Slash Larger Than Treatment Size Requirements of Specified Method***
All F.S. Roads	**1**	**50 Feet**	**PILE**	**REMOVE**

TREATMENT ALONG TEMPORARY ROADS. Outside of Clearcutting Units or regeneration units, all trees felled or pushed over and trees damaged beyond recovery by Temporary Road construction shall be felled, limbed to a stem d.o.b. of approximately 3 inches, at which point the top shall be cut from the remainder of the stem, and stem shall be bucked into lengths not exceeding 20 feet. Such slash shall be Scattered free of soil to reduce concentrations unless treatment is required by another specified method.

ADDITIONAL SLASH TREATMENT REQUIREMENTS. Within areas shown on Sale Area Map, Purchaser shall perform work according to the specifications in the attached Table, unless otherwise agreed in writing.

			ADDITIONAL SLASH TREATMENT REQ.	
Disposal Strip (Adjacent to)	***Unit No.***	***Width of Required Disposal Strip***	***Specified Method***	***Slash Larger Than Treatment Size Requirements of Specified Method***
N/A				

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List of Volume Tables (CT6.8) - Table A

Species	*Name of Volume Table*	*Date*
DOUGLAS-FIR	*R-5 MBF Volume Tables to a Utilization Top*	*9/97*
PONDEROSA PINE	*R-5 MBF Volume Tables to a Utilization Top*	*9/97*
JEFFREY PINE	*R-5 MBF Volume Tables to a Utilization Top*	*9/97*
SUGAR PINE	*R-5 MBF Volume Tables to a Utilization Top*	*9/97*
WESTERN WHITE PINE	*R-5 MBF Volume Tables to a Utilization Top*	*9/97*
LODGEPOLE PINE	*R-5 MBF Volume Tables to a Utilization Top*	*9/97*
WHITE FIR	*R-5 MBF Volume Tables to a Utilization Top*	*9/97*
RED FIR	*R-5 MBF Volume Tables to a Utilization Top*	*9/97*
GRAND FIR	*R-5 MBF Volume Tables to a Utilization Top*	*9/97*
INCENSE CEDAR	*R-5 MBF Volume Tables to a Utilization Top*	*9/97*

Sale Name: 7N23 HT SSTS

Table A: Specific Equipment Requirements and Fire Precautionary Measures Table – CT7.2#

(Version 8/2006)

a. Fire Tools and Equipment	Purchaser shall meet minimum requirements of Sections 4427 and 4428 of the California Public Resources Code (C.P.R.C.). Fire tools kept at each operating landing shall be sufficient to equip all employees in the felling, yarding, loading, chipping, and material processing operations associated with each landing. Fire equipment shall include two tractor headlights for each tractor dozer used in Purchaser's Operations. Tractor headlights shall be attachable to each tractor and served by an adequate power source. Where cable yarding is used, Purchaser shall provide a size 0 or larger shovel with an overall length of not less than 46 inches and a filled backpack can (4 or 5 gallon) with hand pump within 10 feet of each tail and corner block. Trucks, tractors, pickups and other mobile equipment shall be equipped with and carry at all times a size 0 or larger shovel with an overall length of not less than 46 inches and a 2-1/2 pound axe or larger with an overall length of not less than 28 inches.
b. Fire Extinguishers	Purchaser shall equip each internal combustion yarder, fuel truck, and loader with a fire extinguisher for oil and grease fires (4-A:80-B-C). Purchaser shall equip each mechanized harvesting machine with hydraulic systems, powered by an internal combustion engine (chipper, feller/buncher, harvester, forwarder, hot saws, stroke delimber, etc), except tractors and skidders, with at least two 4-A:80-B-C fire extinguishers or equivalent. In addition, concentrations of wood dust and debris shall be removed from such equipment daily.
c. Spark Arresters	Purchaser shall equip each operating tractor and any other internal combustion engine with a spark arrester, except for motor vehicles equipped with a maintained muffler as defined in C.P.R.C. Section 4442 or tractors with exhaust-operated turbochargers. Spark Arresters shall be a model tested and approved under Forest Service Standard 5100-1a (April 1970) and shall be maintained in good operating condition.
d. Power Saws	Each power saw shall be equipped with a spark arrester approved according to C.P.R.C. Section 4442 or 4443 and shall be maintained in effective working order. One fire extinguisher meeting specifications of C.P.R.C. Section 4431 shall be kept with each operating power saw. A size 0 or larger shovel with an overall length of not less than 38 inches shall be kept with each gas can but not more than 300 feet from each power saw when used off cleared landing areas.
e. Fire Supervisor and Fire Patrolperson	Purchaser shall designate in the fire plan required by BT7.1 and furnish on Sale Area during operating hours a qualified fire supervisor authorized to act on behalf of Purchaser in fire prevention and suppression matters. Purchaser shall furnish a qualified fire patrolperson each operating day when Project Activity Level B or higher is in effect. When on duty, sole responsibility of patrolperson shall be to patrol the operation for prevention and detection of fires and to take suppression action where necessary. By agreement, one patrolperson may provide patrol on this and adjacent projects or sales. No patrolperson shall be required on Specified Road construction jobs except during clearing operations unless otherwise specified.

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f. Seasonal Permits	Purchaser shall obtain written permits from Forest Service before allowing attended warming fires, burning, or blasting, subject to CT7.22# – Emergency Precautions. In addition, Purchaser shall obtain necessary Explosives Permits as required by California Health and Safety Code, Section 12101.
g. Blasting	Purchaser shall use electric caps only unless otherwise agreed in writing. When blasting is necessary in slash areas, a watchperson equipped with a size 0 or larger shovel with an overall length of not less than 46 inches and a filled backpack can (4 or 5 gallon) with hand pump shall remain in the immediate area for an hour after blasting has been completed.
h. Time of Snag Felling	Unless the felling of dead trees would interfere with the felling, skidding or yarding of green timber or be a safety hazard, or be prevented under CT7.22# - Emergency Precautions, required felling of dead trees shall be concurrent with the felling of live timber. There shall be reasonably timely felling of dead trees to facilitate utilization and protection from fire.
i. Clearing of Fuels	Purchaser shall clear away, and keep clear, fuels and logging debris as follows:

Welding equipment and stationary log loaders, yarders and other equipment listed in California State Law:	10 feet slope radius
Tail or corner haulback blocks:	5 feet slope radius
Lines near, between or above blocks:	Sufficient clearing to prevent line from rubbing on snags, down logs and other dead woody material

j. Oil Filters and Glass Jugs	Purchaser shall remove from National Forest lands oily rags and used oil filters and shall prohibit use of glass bottles and jugs in Purchaser's Operations.
k. Smoking	Any smoking shall be done while sitting in an area at least 3 feet in diameter, cleared of inflammable materials. Burning tobacco and matches shall be extinguished before they are properly disposed of.
l. Reporting Fires	As soon as feasible, but no later than 15 minutes after initial control action is taken, Purchaser shall notify Forest Service of any fires on Sale Area or along roads used by Purchaser.
m. Tank Truck	Purchaser shall meet minimum requirements of Section 4430 of the California Public Resources Code (C.P.R.C.). Purchaser shall provide a water tank truck or trailer on or in proximity to Sale Area during Purchaser's Operations hereunder during Fire Precautionary Period unless otherwise agreed. When Project Activity Level B or higher is in effect, a tank truck or trailer shall be on or immediately adjacent to each active landing. When Hot Saw technology is being used, a tank truck or trailer shall be immediately available within one quarter mile of the Hot Saw.

The tank shall contain at least 300 gallons of water available for fire suppression. A water sprinkling tank truck will meet this requirement if provision is made to insure that the minimum of 300 gallons is available for fire suppression at all times. Ample power and hitch shall be readily available for promptly and safely moving tank over roads serving Sale Area. Tank truck or trailer shall be equipped with following:

(1) Pump, which at sea level, can deliver 23 gallons per minute at 175 pounds per square inch measured at the pump outlet. Pumps shall be tested on Sale Area using a 5/16 inch orifice in the Forester One Inch In-Line Gauge test kit. Pump shall meet or exceed the pressure value in the following table for nearest temperature and elevation:

Temp	Sea Level		1000 Feet		2000 Feet		3000 Feet		4000 Feet		5000 Feet		6000 Feet		7000 Feet		8000 Feet		9000 Feet		10000 Feet	
55	179	23	174	23	169	23	165	22	161	22	157	22	153	22	150	21	146	21	142	21	139	21
70	175	23	171	23	166	22	162	22	158	22	154	22	150	21	147	21	143	21	139	21	136	20
85	171	23	168	23	163	22	159	22	155	22	151	21	147	21	144	21	140	21	136	20	133	20
100	168	23	164	23	159	22	155	22	152	22	148	21	144	21	141	21	137	20	133	20	131	20
	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM

The pump outlet shall be equipped with 1-1/2 inch National Standard Fire Hose thread. A bypass or pressure relief valve shall be provided for other than centrifugal pumps.

(2) 300 feet of 3/4-inch inside diameter rubber-covered high-pressure hose mounted on live reel attached to pump with no segments longer than approximately 50 feet, when measured to the extreme ends of the couplings. Hose shall have reusable compression wedge type 1-inch brass or lightweight couplings (aluminum or plastic). One end of hose shall be equipped with a coupling female section and the other end with a coupling male section. The hose shall, with the nozzle closed, be capable of withstanding 200 PSI pump pressure without leaking, distortions, slipping of couplings, or other failures.

(3) A shut-off combination nozzle that meets the following minimum performance standards when measured at 100 P.S.I. at the nozzle:

	G.P.M.	Horizontal Range
Straight Stream	10	38 feet
Fog Spray	6 - 20	N/A

(4) Sufficient fuel to run pump at least 2 hours and necessary service accessories to facilitate efficient operation of the pump.

When Purchaser is using Hot Saw Technology, an additional 500 feet of 3/4-inch inside diameter serviceable hard rubber poly or rubber lined or fiber jacket rubber lined FJRL hose shall be immediately available for use and be capable of connecting to the 300 feet of hose described in part 2 above..

n. <u>Communications</u>	Purchaser shall furnish a serviceable telephone, radio-telephone or radio system connecting each operating side with Purchaser's headquarters. A CB is not acceptable communication. A radio-equipped fire patrolperson vehicle will satisfy this requirement if in operation during the time required except during PAL levels “D” and “Ev”. When such headquarters is at a location which makes communication to it clearly impractical, Forest Service may accept a reasonable alternative location. The communication system shall provide prompt and reliable communications between Purchaser's headquarters (or agreed to alternative) and Forest Service via commercial or Forest Service telephone. The communications system shall be operable during Purchaser's Operations in Fire Precautionary Period described in <u>AT9</u> and during the time fire patrolperson service is required.
o. <u>Skyline Tank Unit</u>	When all or part of Included Timber will be yarded by a long span (over 1,500 feet) skyline, Purchaser shall provide at each active skyline landing a suitable tank trailer or tank unit which can be lifted and transported by the skyline carriage. The unit shall meet the same requirements as specified for the water tank trailer.
p. <u>Helicopter Yarding Fire Precautions</u>	Purchaser shall provide and maintain fire and helicopter fueling equipment as follows: (1). The fire tool box required under this provision shall be equipped for attachment to helicopter long line so that it may be hauled to needed locations. Such attachment device shall not interfere with access to fire tools. The fire tool box shall be located at the helicopter service landing ready for immediate dispatch unless otherwise agreed. (2). An external helibucket readily attachable to the helicopter, with a capacity of at least 500 gallons, and having a remote control door mechanism adequate for rapid dropping of water. The helibucket shall be located at the helicopter service landing and shall be filled with water ready for immediate dispatch unless otherwise agreed. (3). Stationary fuel tanks, if used, shall be securely bedded on skids or frame to prevent rolling or tipping and shall be adequately diked with dirt or other agreed to containment method to prevent fuel spillage or leakage from spreading beyond the diked area. (4). For protection of fuel servicing operations, fire extinguishers which have the following ratings based on the open hose discharge capacity, i.e., "broken hose," of the aircraft fueling system: (a) Where said capacity does not exceed 200 gallons per minute, at least one approved extinguisher having a minimum rating of 20-B; (b) Where said capacity is in excess of 200 gallons per minute, but not over 350 gallons per minute, one approved extinguisher having a minimum rating of 80-B; (c) Where said capacity is in excess of 350 gallons per minute, two approved extinguishers, each having a minimum rating of 80-B. Extinguishers of over 50 pounds gross weight shall be of wheeled type or be mounted on carts to provide mobility and ease of handling.

Table A: PROJECT ACTIVITY LEVEL – CT7.22# - EMERGENCY PRECAUTIONS

Table version 8/2006

PROJECT ACTIVITY LEVEL

Level	***Project Activity Requirements***
A	Minimum required by CT7.2# 1. PAL levels are cumulative, Ev level would include all preceding PAL requirements.
B	1. A fire patrolperson is required for mechanical operations from cessation of operations until 2 hours after operations cease or sunset, which ever occurs first. 2. Tank truck or trailer shall be on or adjacent to each active landing. 3. When hot saw technology is being used, the tank truck or trailer (B2 above) may serve dual purpose as active landing tank truck provided it shall be kept readily available for use as follows: a.Within one quarter mile of the operating hot saw technology; and b.Within 10 minutes of the active landing; and c. Effective communications exist between hot saw technology and active landing. Otherwise, there shall be a tank truck or trailer at both the active landing and within one quarter mile of the operating hot saw technology.
C	1. The following operations are prohibited from 1:00 PM until 8:00 PM local time: a. Blasting 2. Operations using hot saw technology are prohibited between 1:00 PM and sunset local time. Hot saw technology operations may continue if Purchaser provides a portable fire suppression system capable of extinguishing a 20-foot by 20-foot wild land fire within five (5) minutes of discovery. The following equipment will meet the requirements above: a. Compressed Air Foam System with minimum requirements of 20 gallons stored energy, 100 feet of 1 inch hose and adjustable 1 inch nozzle, minimum discharge range of 60 feet and 1 spare air cylinder; or b. All terrain tank truck or equivalent capable of traveling throughout the cutting unit, containing not less than 300 gallons of water and complies with all tank truck requirements of CT7.2#. All terrain tank truck or equivalent may serve dual purpose as active landing tank truck provided: 1) Tank truck or equivalent shall be kept readily available to extinguish a fire within 5 minutes of discovery of the operating hot saw technology,

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	 2) Tank truck or equivalent shall be no further than 10 minutes travel time to the active landing, 3) A 4-A:80-B:C extinguisher is maintained at the landing fire tool box and, 4) Effective communications exist between the hot saw technology, active landing and all terrain tank truck or equivalent. Otherwise there shall be a tank truck at the active landing and an all terrain tank truck or equivalent with the hot saw technology.
D	1. The following restrictions apply: a. No blasting after 10:00 AM b. Welding or cutting of metal only by special permit c. No Burning without a permit 2. The following activities may not operate after 1:00 PM local time unless fire patrolperson(s) walks all areas operated that day once per hour until sunset local time and has the capability of notifying the designated Forest Service Dispatch Center within fifteen (15) minutes of discovery of a fire: a. Track-laying equipment b. Chipping outside of landings and roadbeds c. Equipment using Hot Saw Technology d. Chainsaw operations outside of landings and roadbeds e. Tree felling operations f. Ripping roads and landings g. Mastication h. Cable-yarding employing motorized carriages.
Ev	1. The following operations are prohibited: a. Blasting b. Welding or cutting metal c. Burning 2. Following activities may operate when fire patrolperson walks from 9:00 AM until local sunset all areas once per hour that were mechanically operated that day. A. Activities that may operate all day: 1. Hauling and loading of logs decked at approved landings. 2. Hauling and loading of chips piled at approved landings. 3. Equipment servicing at approved sites. 4. Roads: Dust abatement or rock aggregate installation (does not include pit or quarry development) 5. Chainsaw or stroke delimber operation associated with loading at approved landing sites.

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	  B. All other Operations are permitted until 1:00 PM local time subject to the following: 1. When hot saw technology is being used a tractor or other equipment with blade capable of constructing fire line, shall be on standby and immediately available. Tractor will have effective communications with hot saw technology and be within one quarter mile of hot saw technology to quickly reach and effectively attack a fire start.
E	The following activities may operate subject to B1. and B2. 1. Hauling and loading of logs decked at approved landings. 2. Hauling and loading of chips piled at approved landings. 3. Equipment at approved sites may be serviced. 4. Roads: Dust abatement or rock aggregate installation (does not include pit development). 5. Chainsaw operation associated with loading at approved landings.