Region: Pacific N-West
National Forest: Gifford Pinchot
Ranger District: Cowlitz Valley

U.S. DEPARTMENT OF AGRICULTURE - FOREST SERVICE **Page 1,** FS-2400-4 (04/2012)
FOREST PRODUCT CONTRACT and CASH RECEIPT OMB No. 0596-0085
(Ref. FSM 2430, FSH 2409.18, and FSH 6509.17)

Purchaser's Name and Complete Address:	TSA Contract No.	Sale Name: La Wis Wis 2016/17 Loop B		
		Payment Method:		
	Award Date	Termination Date	Total Sale Acres	Acres to be Cut
		03/01/2017	9	9
	Type of Sale: **Premeasured**	Sale Condition: Regular		
	Load Ticket Numbers: From:		Thru:	
Purchaser's Tax Identification Number:	Sale Area Description: T. 14 N., R. 10 E., Section 29, W.M., Surveyed, Lewis County, Washington			
Vehicle Information: Year: License Plate: Make: State: Color: Model:				
Performance Bond Amount: $	Remarks:			
Original Contract: Yes Modification No:				

INCLUDED PRODUCTS

Species	Product	Unit of Measure	Estimated Quantity	$ Rate per Products	$ UOM Assoc. Charges	$ Total Products	$ Total Assoc. Charges
Douglas-fir and Other Coniferous Species	Fuelwood	Cords	27.00				
Road Maintenance Charges			27.00		2.00		54.00
Total Quantity			27.00	**Total**			$54.00

UTILIZATION STANDARDS

			Minimum Specifications					
			Tree		Piece Required to be Removed			
Species	**Product**	**Unit of Measure**	**DBH (Inches)**	**No. of Min. Pieces per Tree**	**Length (Feet)**	**D.I.B. at small end (Inches)**	**Net Scale in % of Gross Scale**	**Maximum Stump Height**
Douglas-fir and Other Coniferous Species	Fuelwood	Cords	7.0	1	2	5.0	N/A	12

Sale Name: La Wis Wis 2016/17 Loop B **Contract No:** FS-2400-4 (04/2012)

REVISED INCLUDED PRODUCTS

Species	Product	Unit of Measure	Estimated Quantity	+ or -	$ Rate per Products	$ UOM Assoc. Charges	$ Total Products	$ Total Assoc. Charges
Revised Total Quantity				Revised Total $				

RECORD OF PAYMENTS

Date	Payment Amount	Bill No.	Date	Payment Amount	Bill No.	Date	Payment Amount	Bill No.

RECORD OF REFUNDS

Date	Refund Amount	Date	Refund Amount	Date	Refund Amount	Date	Refund Amount

PRODUCT QUANTITY REMOVAL RECORD

Date	Qty Removed	Date	Qty Removed	Date	Qty Removed	Date	Qty Removed	Date	Qty Removed

SIGNATURES

PURCHASER SIGNATURE Date CONTRACTING OFFICER SIGNATURE Date

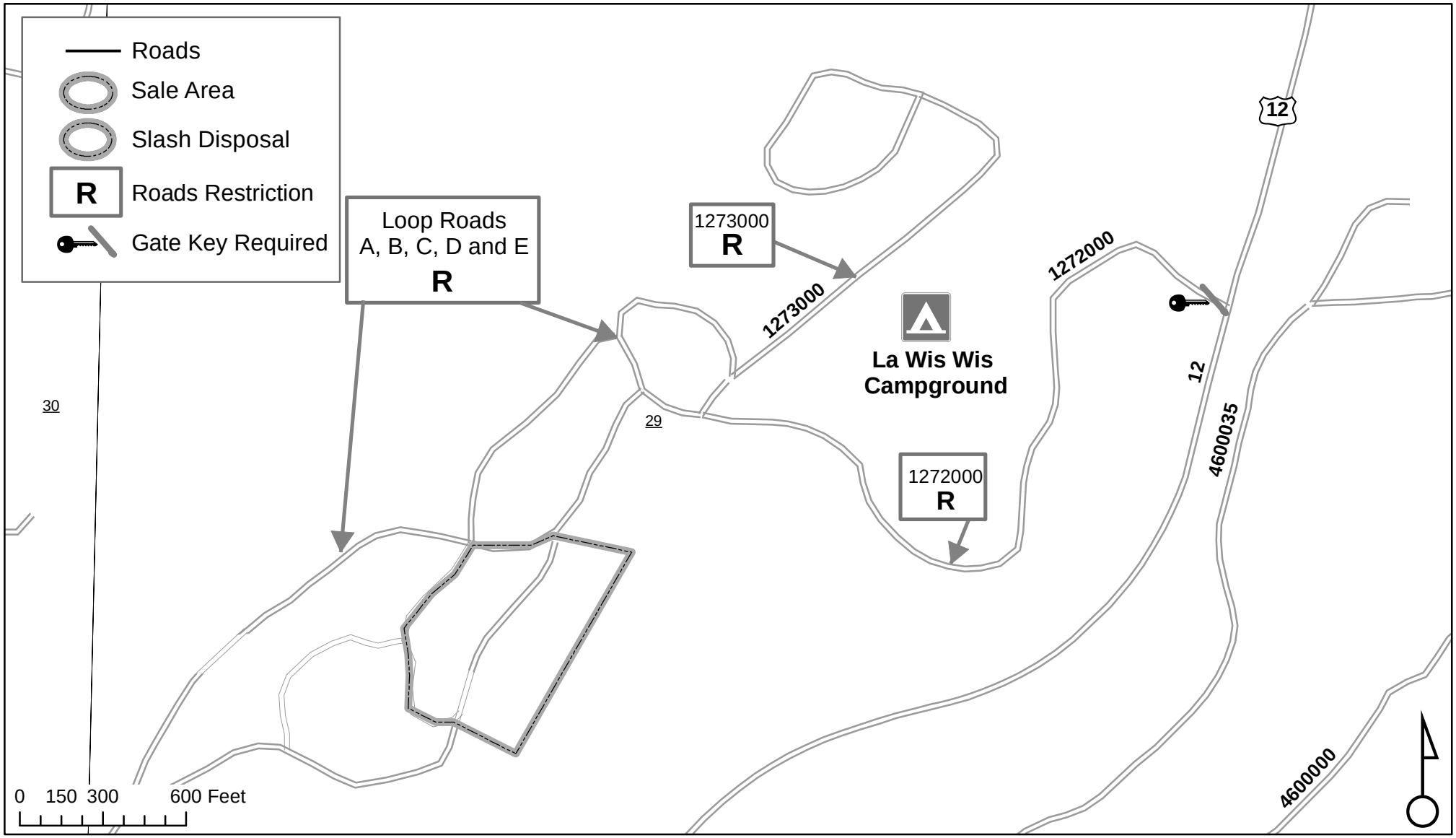
BURDEN AND NONDISCRIMINATION STATEMENTS

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0085. The time required to complete this information collection is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.

Sale Area Map: La Wis Wis 2016/17 Loop B Sale

Gifford Pinchot National Forest
Cowlitz Valley Ranger District

Legal Description:T.14 N. R. 10 E. Section: 29 Sale Acres: 9



PAYMENT UNIT NUMBER AND BOUNDARY, BP1.1 TRANSPORTATION SYSTEM BP5.0

La Wis Wis 2016/17 Loop B Sale

1272000

GENERAL CONDITIONS

The Purchaser, by signing Page 1, binds the Purchaser and the Forest Service, acting through the Contracting Officer, to the contract terms.

1. The boundaries of the sale area, payment unit, and any cutting or harvesting areas are as shown on the attached sale area map, which is made a part of this contract. All sale area map detail indicating location is approximate; therefore, actual locations, as the Forest Service has designated on the ground, take precedence over the sale area map. The location of the sale area and its estimated acreage are shown on Page 1.

Valid claims are excluded from the sale area, unless the claimant authorizes, in writing, timber cutting or product harvesting on the claim, except for valid claims on which timber cutting or product harvesting is authorized under the Act of July 23, 1955 (30 USC 612, 613, and 614).

2. The Purchaser's failure to execute and return this contract in conformance with the terms, conditions, and requirements contained in the Contracting Officer's letter of award shall constitute repudiation of the Purchaser's bid and breach of this contract. The Purchaser agrees that the Purchaser's bid guarantee, if required in the advertisement, shall be retained by the Contracting Officer to be applied toward damages due the United States.

3. The Purchaser shall complete all requirements of this contract prior to the termination date. A time extension may be granted at the discretion of the Contracting Officer if the Purchaser has operated in a diligent manner.

4. The Forest Service has determined the estimated quantities of included products listed on Page 1 prior to award of this contract. The Contracting Officer or designee will determine any additional designated products prior to felling or harvesting during the term of the contract. The Forest Service makes no representation, warranty, or guarantee of the accuracy of the estimate.

5. This contract is non-transferable.

6. No Congress Member or Resident Commissioner shall benefit from this contract unless made with a corporation for its general benefit (18 USC 431,433).

7. The conditions of this contract are completely set forth, and none of its terms can be varied or modified, except by written agreement between the Purchaser and the Contracting Officer approving the contract, or the Contracting Officer's successor, or superior officer, and in accordance with the regulations of the Secretary of Agriculture.

8. No Purchaser, contractor, subcontractor, agent, or employee shall discriminate in performance of this contract against any person on account of race, color, religion, age, sex, or national origin.

9. The Forest Service agrees to sell and the Purchaser agrees to purchase, cut or harvest, and remove all included products described on Page 1. Designation(s) for cutting is (are) shown in Other Conditions. Title to all timber or forest products included in this contract shall remain with the United States until its estimated quantities have been determined by the Contracting Officer or designee and paid for and removed from the sale area by the Purchaser. The Purchaser shall not cut or harvest any timber or forest products until the Contracting Officer or designee has determined the estimated quantities and the timber or forest products has been paid for by the Purchaser.

The Purchaser shall cut or harvest and remove included products in strict accordance with the conditions on Page 1, the General Conditions, and with all conditions and requirements in the attached Other Conditions,

which are hereby made a part of this contract, and with the regulations prescribed by the Secretary of Agriculture.

The Contracting Officer or designee may designate additional timber products, if included products is timber, not included in the original volume estimate for cutting within the sale area, as needed to utilize damaged trees, trees to be removed in authorized clearings, or trees unnecessarily damaged or cut by the Purchaser. The Purchaser shall pay for additional timber at rate per products and associated charges per unit of measure listed on Page 1, in addition to any payments for liquidated damages under General Condition 15 and/or in Other Conditions. The additional timber will become included products when designated by the Contracting Officer or designee.

The Contracting Officer or designee and the Purchaser may agree in writing to make minor adjustments in boundaries of cutting units or in the timber individually marked for cutting.

10. As a further guarantee of the faithful performance of the provisions of this contract, the Purchaser shall maintain a cash performance bond in the amount listed on Page 1.

11. The Purchaser shall pay to the USDA Forest Service by the time the contract is required to be executed and returned by the Purchaser, the total sale value for total products and total associated charges stated on Page 1, for product values which includes sale area betterment funds (Act of June 9, 1930, 16 USC 576b), slash disposal funds (Act of April 24, 1950, 16 USC 490), and road maintenance deposits, if any.

12. The Contracting Officer or designee may, in writing, suspend operations on the sale area, including removal of included products, if the Purchaser violates contract requirements, or the Contracting Officer may terminate this contract for the Purchaser's serious or continued violations of its terms.

The Purchaser agrees to interrupt or delay operations under this contract, in whole or in part, upon the written request of the Contacting Officer: (a) to prevent serious environmental degradation or resource damage that may require termination of the contract, (b) to comply with a court order, or (c) upon determination of the appropriate Regional Forester, that conditions existing on this contract area are the same as, or nearly the same as, conditions existing on contract(s) named in such an order as described in paragraph (b).

13. The Contracting Officer may terminate this contract, without liability to the Government, to prevent serious environmental degradation, to comply with a court order, or for the convenience of the Government.

14. All monies paid under the contract shall, upon the Purchaser's failure to fulfill the terms of the contract, be retained by the Contracting Officer to be applied toward completion of Purchaser's uncompleted work or damages due the United States.

15. The Purchaser shall pay for unnecessary damage to or negligent or willful cutting of merchantable timber, if timber is an included product, meeting utilization standards on Page 1 at an amount equivalent to the bid rate. In view of the difficulty in determining the actual damage to the United States, the amounts specified above shall be considered liquidated damages; provided, that, if such damage involves small amounts of material, and in the judgment of the Contracting Officer or designee, is justified by existing conditions, the payments may not be required. In addition to liquidated damages, if designated for removal by the Contracting Officer or designee under General Condition 9, the Purchaser shall make payments at the rate per products listed on Page 1 for timber meeting utilization standards and for associated charges for the total quantity of material involved.

The Contracting Officer or designee shall determine rates for products per unit of measure for standing timber or other forest products if they are not included products using standard Forest Service appraisal methods.

The right, title, and interest to any product for which payment of liquidated damages has been made or which has been regularly paid for, cut, but not removed, shall remain in or revert to the United States, if not removed from the sale area at the expiration or termination of this contract.

16. This contract is subject to The Contract Disputes Act of 1978 (Pub. L. 95-563). Purchaser claims under this contract shall be submitted in writing to the Contracting Officer not later than 60 days after receipt of the Contracting Officer's written notice to the Purchaser that the sale is closed.

17. The Purchaser shall obtain certifications from its lower tier participants regarding debarment, suspension, ineligibility, and voluntary exclusion (7 CFR 3017.510). The Purchaser shall provide a copy of such certifications to the Contracting Officer at the Contracting Officer's written request.

18. The Contracting Officer may designate in writing a Forest Service Representative to: (a) receive notices in regard to performance under this contract, (b) take action in relation to this contract, and (c) be readily available to the area of harvest operations.

The Contracting Officer or the Forest Service Representative may designate other Forest Service on-the-ground representatives. The Contracting Officer or Forest Service Representative shall name these persons in writing along with their specific contractual responsibilities and authority and the Contracting Officer shall provide a copy to the Purchaser. The Contracting Officer shall make these delegations within 30 days of award of the contract.

19. The Purchaser shall buck harvested trees, if trees are included products, to use the entire merchantable stem, cut stumps no higher than the maximum specified on Page 1 when measured on the uphill side, and use material to the minimum utilization standards listed on Page 1.

20. The Purchaser and Purchaser's employees shall take reasonable action to prevent and suppress forest fire. Further, the Purchaser, in all phases of logging or harvesting operations, shall protect insofar as practicable: all land survey corners, telephone lines, ditches, fences, and other improvements. If the Purchaser's operations damage such improvements under this contract, the Purchaser shall restore these improvements immediately to the condition existing immediately prior to operations. The Purchaser shall handle slash and other refuse as listed in Other Conditions. The Purchaser shall pay for road maintenance commensurate with the Purchaser's use. The Purchaser shall promptly restore roads or trails damaged through such use. Specific road maintenance requirements are listed in Other Conditions and costs are included in associated charges listed on Page 1.

The Purchaser's use of existing roads may be restricted, as indicated on the sale area map and in the Other Conditions.

The Purchaser shall comply with the rules and regulations governing operation on premises that are occupied, and the Purchaser shall perform the contract in a manner that will not interrupt or interfere with the conduct of Forest Service business.

1# - PRODUCT DESIGNATION *(07/1998)*

The Forest Service designated timber or forest products for cutting or harvesting prior to award of this contract. The designated timber or forest products is confined to the sale area and has been designated in the following manner: **Sale Area is designated on the ground with blue tags labeled "La Wis Wis 2016/17 Loop B".**

Included Material is designated with blue paint.

3 - LOAD TICKETS *(07/1998)*

The Purchaser shall complete and return assigned load tickets according to the Contracting Officer or designee's written instructions. Unused load tickets shall be returned to the Contracting Officer or designee at termination date.

4 - PRODUCT IDENTIFICATION *(11/1999)*

Before removal from the sale area, unless the Contracting Officer determines that circumstances warrant a written waiver or adjustment, (a) all products 8 feet or more in length and 1/3 or more sound shall be hammer branded on each end that is 7 inches or more in diameter and (b) all domestic processing products 8 feet or more in length and 1/3 or more sound shall be painted with a spot of highway-yellow paint on each end that is 7 inches or more in diameter. Each paint spot must be not less than 3 square inches in size.

The Contracting Officer shall assign brands and brands shall be registered with the State, if the sale area is within a State that maintains a log brand register. The Purchaser will furnish and apply highway-yellow paint of a lasting quality (oil-base or equivalent).

All hammer brands and/or highway-yellow paint must remain on logs until they are domestically processed. If the identifying marks are lost, removed, or become unreadable, they shall be replaced. The Purchaser may remanufacture products into different log lengths. Except for logs remanufactured as part of the mill in-feed process immediately before processing, remanufactured products must be re-branded with the assigned sale brand and repainted with highway-yellow paint, unless otherwise agreed to in writing by the Contracting Officer. For such remanufactured products, the Contracting Officer may approve use of a brand to be used exclusively as a catch brand, in lieu of the assigned sale brand.

10# - USE OF ROADS BY PURCHASER *(06/1999)*

The Purchaser's use of existing roads identified on the sale area map by the following codes is prohibited or subject to restrictive limitations, unless the Contracting Officer or designee agrees in writing otherwise:

Code Use Limitations
X Hauling prohibited
R Hauling restricted
P Use prohibited
A Public use restriction
W Regulation waiver

Roads coded A will be signed by the Contracting Officer or designee to inform the public of use restrictions. Purchaser's use of roads coded R, A, or W shall be in accordance with the following restrictions:

See Table A

ROAD RESTRICTIONS PURSUANT TO 10# - USE OF ROADS BY PURCHASER

Table A

Road Number	*Road Name*	*Termini*		*Map Legend*	*Description of Restrictions*
		From	*To*		
1272000, 1273000 & Loop Road(s)	La Wis Wis Campground	0.0	End	R	Product removal is restricted to road 1272, 1273 and Loop Road(s). Vehicle can **NOT** leave road 1272, 1273 and Loop Road(s).
1272000	La Wis Wis Campground	0.1		Gate	Gate – Remain locked at all times Unless agreed to by the Forest Service.

13# - ROAD MAINTENANCE *(06/1999)*

The Purchaser shall pay for road maintenance, commensurate with the Purchaser's use, in accordance with the Contract Road Maintenance Requirements Summary and Road Maintenance Specifications. Costs are included in associated charges listed on Page 1.

If the Purchaser elects to use different roads than those listed in the Contract Road Maintenance Requirements Summary, the Contracting Officer or designee shall determine the Purchaser's commensurate share of road maintenance and revise associated charges listed on Page 1.

See Table A

D = Deposit to Forest Service (Associated Charges)

Sale Name: La Wis Wis 2016/17 Looop B

CONTRACT ROAD MAINTENAnCE REQUIREMENTS SUMMARY PURSUANT TO 13# - ROAD MAINTENANCE

Table A

Road	*Termini*		*Miles*
	From	*To*	
1272000 & Loop Road(s)	0.0	End	2.4
1273000	0.0	End	0.60

D = Deposit to Forest Service (Associated Charges) = $2.00/cord

20# - SLASH DISPOSAL *(05/2002)*

As used in this contract, the term slash is vegetative debris, including, but not limited to, cull logs, broken tops, limbs, branches, rotten wood, damaged brush, damaged or destroyed reproduction, saplings, or poles resulting from Purchaser's Operations under this contract, including construction of temporary roads or other improvements. Slash disposal requirements and specifications are as follows:

Debris generated as a result of Purchaser's Operations must be handpiled or scattered out of site of campsite or road by Purchaser. Location and slash disposal method to be agreed upon by Forest Service.

21 - EMERGENCY FIRE PRECAUTIONS *(09/2002)*

Purchaser shall comply with State fire laws, covering fire prevention and suppression equip-ment, applicable to Purchaser's Operations under this contract. Purchaser shall certify compliance with the Fire Precautionary Measures and specific fire precautions included in this contract.

FIRE PRECAUTIONARY MEASURES. Purchaser shall restrict operations in accordance with the following Industrial Fire Precaution Levels. Forest Service may change the Industrial Fire Precaution Levels to other values upon revision of the National Fire Danger Rating System and may change the specific Industrial Fire Precaution Levels when such changes are necessary for the protection of the National Forest. When sent to Purchaser, the revised Industrial Fire Precaution Levels will supersede the following levels. Adherence to these Fire Precautionary Measures shall be from April through October 31.

LEVEL INDUSTRIAL FIRE PRECAUTION

I. Closed Season - Fire precaution requirements are in effect. A Fire Watch/Fire Security is required at this and all higher levels unless otherwise waived.

II. Partial Hootowl - The following may operate only between the hours of 8 p.m. and 1 p.m. local time:
- power saws, except at loading sites;
- cable yarding;
- blasting;
- welding or cutting of metal.

III. Partial shutdown - The following are prohibited:

cable yarding - except that gravity operated logging systems employing non-motorized carriages may be operated between the hours of 8 p.m. and 1 p.m. local time when all blocks and moving lines are 10 feet or more above the ground, excluding the line between the carriage and the choker.

power saws - except at loading sites and on tractor/skidder operations between the hours of 8 p.m. and 1 p.m. local time.

In addition, the following are permitted between the hours of 8 p.m. and 1 p.m. local time:

tractor, skidder, feller-buncher, forwarder, or shovel logging operations where tractors, skidders or other equipment with a blade capable of constructing fireline are immediately available to quickly reach and effectively attack a fire start;
mechanized loading and hauling;
blasting;
welding or cutting of metal;
any other spark-emitting operation not specifically mentioned.

IV. General shutdown - All operations are prohibited.

The following definitions shall apply to these Industrial Fire Precaution Levels:

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

Closed Season (Fire Precaution Period): That season of the year when a fire hazard exists.

Hauling: Where hauling involves transit through more than one shutdown zone/regulated use area, the precaution level at the woods site shall govern the level of haul restrictions, unless prohibited by other than the Industrial Fire Precaution Level system.

Loading sites/woods site: A place where any product or material (including but not limited to logs, firewood, slash, soil, rock, poles, posts, etc.) is placed in or upon a truck or other vehicle.

Advance written waiver of the above precautions may be issued by the Contracting Officer or Forest Service Representative.

Such waiver, or substitute precautions, shall prescribe measures to be taken by Purchaser to reduce the risk of ignition, and/or the spread of fire. The Contracting Officer or Forest Service Representative shall consider site specific weather factors, fuel conditions, and specific operations that result in less risk of fire ignition and/or spread than contemplated when precaution level was predicted. Consideration shall also be given to measures that reduce the precaution levels above. Purchaser shall assure that all conditions of such waivers or substitute precautions are met.

Purchaser shall obtain the predicted Industrial Fire Precautionary Level from the appropriate Ranger District headquarters. If predictions made after 6:00 p.m., local time, are significantly different than originally estimated, Forest Service will inform Purchaser when changes in restrictions or industrial precautions are indicated.

SPECIFIC FIRE PRECAUTIONS. Specific required fire precautionary measures are as follows:

A. Fire Security.

When the industrial fire precaution level is I or higher, Purchaser shall designate in writing a person who shall perform fire security services listed below on Sale Area and vicinity. The designated person will be capable of operating Purchaser's communications and fire fighting equipment specified in the contract, excluding helicopters, and of directing the activities of Purchaser's personnel on Forest fires. Such person must report any fire detected to Forest Service within 15 minutes of detection. In lieu of having the designated person perform the required supervisory duties, Purchaser may provide another person meeting the qualifications stated above to direct the activities of Purchaser's personnel and equipment during all fire fighting activities.

Services described shall be for at least 1 hour from the time Purchaser's Operations are shut down. For the purposes of this provision, personnel servicing equipment, and their vehicles, who are not engaged in cutting or welding metal are excluded.

Fire security services shall consist of moving throughout the operation area or areas constantly looking, reporting and taking suppression action on any fires detected. Where possible, the designated person shall observe inaccessible portions of helicopter operating areas from vantage points within or adjacent to Sale Area.

Purchaser shall furnish fire security services based on the predicted industrial precaution level, obtained by Purchaser from the appropriate Ranger District Headquarters. If predictions made after 6:00 p.m. local time, are significantly different than originally estimated, Forest Service will inform Purchaser when changes in fire security services are indicated.

B. Fire Extinguishers and Equipment (on Trucks, Tractors Power Saws, etc.)

(a) Each yarder or loader equipped with an internal combustion engine or other spark emitting source shall be equipped with a readily accessible fire extinguisher, with an Underwriter's Laboratory (UL) Rating

of at least 5 B,C.

(b) All power-driven equipment operated by Purchaser on National Forest land, except portable fire pumps, shall be equipped with one fire extinguisher having a UL rating of at least 5 B,C and one "D" handled or long handled round point shovel, size O or larger. In addition, each motor patrol, truck and passenger-carrying vehicle shall be equipped with a double-bit axe or Pulaski, 3-1/2 pounds or larger.

(c) Equipment required in (a) and (b) shall be kept in a serviceable condition and shall be readily available.

(d) Each gasoline power saw operator shall be equipped with a pressurized chemical fire extinguisher of not less than 8-ounce capacity by weight, and one long handled round point shovel, size O or larger, except at a landing where a suitable fire extinguisher and shovel are immediately available. The extinguisher will be kept in possession of the saw operator at all times. The shovel shall be accessible to the operator within 1 minute.

(e) Each helicopter shall be equipped with one fire extinguisher having a UL rating of at least 5 B,C mounted inside the aircraft within reach of the pilot's operating position.

(f) One refill for each type or one extra extinguisher sufficient to replace each size extinguisher required on equipment shall be safely stored in the fire tool box or other agreed upon place on Sale Area that is protected and readily available.

(g) At each area where helicopters are being serviced or supplied, a carbon dioxide fire extinguisher with a UL rating of at least 20 B,C will be provided on the site and placed where it is available for immediate use.

C. Spark Arresters and Mufflers.

Each internal combustion engine shall be equipped with a spark arrester qualified and rated under USDA Forest Service Standard 5100-la as shown in the National Wildfire Coordination Group Spark Arrester Guide, unless it is:

(a) Equipped with a turbine-driven exhaust supercharger such as the turbocharger. There shall be no exhaust bypass.

(b) A multi-position engine, such as on power saws which must meet the performance levels set forth in the Society of Automotive Engineers (SAE) "multi-positioned small engine exhaust fire ignition standard, SAE recommended practice J335B" as now or hereafter amended.

(c) A passenger carrying vehicle or light truck, or medium truck up to 40,000 GVW, used on roads and equipped with a factory designed muffler complete with baffles and an exhaust system in good working condition.

(d) A heavy duty truck, such as a dump or log truck, or other vehicle used for commercial hauling, used only on roads and equipped with a factory designed muffler and with a vertical stack exhaust system extending above the cab.

Exhaust equipment described in this Subsection, including spark arresters and mufflers, shall be properly installed and constantly maintained in serviceable condition.

D. Fire Tools.

Purchaser shall furnish serviceable fire fighting tools in a readily accessible fire tool box or compartment of sound construction with a hinged lid and hasp so arranged that the box can be secured or

sealed. The box shall be red and marked "Fire Tools" in letters at least 1 inch high. It shall contain a minimum of:

(a) Two axes or Pulaskis with a 32 inch handle.

(b) Three adze eye hoes. One Pulaski may be substituted for one adze eye hoe.

(c) Three long handled, round point shovels, size 0 or larger.

E. Tank Truck

Purchaser shall provide a tank truck or trailer, containing not less than 300 gallons of water, during yarding, skidding, loading, land clearing, right-of-way clearing, mechanical falling, and mechanical treatment of slash. Such tank truck or trailer shall be maintained in a serviceable condition and located within 10 minutes, round trip, from each operating side during Fire Precautionary Period (closed season).

The tank truck or trailer shall be equipped with a pump capable of discharging 20 gallons of water per minute, using a 1/4 inch nozzle tip, through a 50 foot length of rubber or poly lined hose. In addition, 500 feet of serviceable hard rubber poly or rubber lined or FJRL hose of not less than 1 inch outside diameter, fitted with a nozzle capable of discharging a straight stream of 1/4 inch diameter and a spray pattern shall be immediately available for use. The tank, pump, nozzle and at least 250 feet, of the total 500 feet of hose, shall be connected and ready for use at all times. Synthetic hoses may be used by agreement.

If a trailer is used, it shall be equipped with a hitch to facilitate prompt movement. A serviceable tow vehicle shall be immediately available for attachment to the trailer and must meet the time requirements stated above. Such truck or trailer shall be equipped to operate for a minimum of 8 hours.

Where designated on Sale Area Map, Purchaser shall provide a tank trailer or water source and pumping equipment, including accessories, which can be lifted and transported by the yarding system. The component parts shall meet all specifications above. The tank trailer or water supply and pumping accessories shall be deliverable to a fire, in area of operations, within 15 minutes of detection.

In lieu of the above tank trailer or water supply for helicopter operations, Purchaser may provide a suitable helicopter water bucket with a 300 gallon capacity. When Purchaser provides a water bucket, a water source shall be provided within 5 minutes round trip flight time from operating side.

F. Communications.

During Purchaser's Operations, excluding powersaw falling and bucking, Purchaser shall provide adequate two-way communication facilities to report a fire to Forest Service within 15 minutes of detection. Citizen band radios (CB's) are not considered adequate two-way communications because FCC Regulations prohibit commercial use.

G. Smoking and Open Fire Restrictions.

Smoking and fires shall be permitted only at the option of Purchaser. Purchaser shall not permit open fires on Sale Area without advance permission in writing from Forest Service.

H. Blasting.

Blasting shall be permitted only for road construction purposes unless advance permission is obtained from Forest Service.

Whenever the Industrial Fire Precaution Level is II or greater, a fire security person equipped with a long

handled round point No. 0 or larger shovel and a 5 gallon backpack pump can filled with water, will stay at location of blast for 1 hour after blasting is done. Blasting may be suspended by Forest Service in areas of high rate of spread and resistance to control.

Fuses shall not be used for blasting. Explosive cords shall not be used without permission of Forest Service, which may specify conditions under which such explosives may be used and precautions to be taken.

I. Compliance with State Fire Laws.

Listing of specific fire precautionary measures in the foregoing Subsections is not intended to relieve Purchaser in any way from compliance with State fire laws covering fire prevention and suppression equipment, applicable to Purchaser's Operations.

J. Aircraft Communications.

Every aircraft used in conjunction with Purchaser's Operations shall be equipped with an operable radio system. The radio system shall be capable of transmitting and receiving on VHF frequency 122.85 Megahertz (MHz) with a minimum output of 5 watts at the transmitter. The system shall be located and installed so that the pilot can operate it while flying. A shielded all-weather broad-band antenna shall be part of the system. Radio and antenna shall be properly installed and maintained.

Upon discovery or notification of a fire on Sale Area, all aircraft pilots controlled by Purchaser shall monitor VHF frequency 122.85 MHz when within 5 miles of a fire and broadcast their intentions.

K. Logging Block Equipment.

Purchaser shall provide a serviceable 5 gallon backpack pump full of water, one axe, and one long handled round point shovel, size 0 or larger, at each haulback block through which a running line passes.

The area below such blocks must be kept clear of all flammable debris under 4 inches in diameter for a distance of 6 feet in all directions. Material larger than 4 inches that poses a fire risk, such as punky logs, must also be removed.

Purchaser shall avoid line-rub on rocks or woody material which may result in sparks or sufficient heat to cause ignition of fire.

22# - SALE OPERATION SCHEDULE *(09/2004)*

Unless otherwise agreed to in writing between Purchaser and Forest Service, sale operations shall be performed in accordance with the following schedule:

See attached Table.

Sale Name: La Wis Wis 2016/17 Loop B

SCHEDULE PURSUANT TO 22# - SALE OPERATION SCHEDULE

UNIT	*OPERATION CONDITIONS*	*PURPOSE*
1	Skidding or pulling of any kind is prohibited. Material must be hand carried or rolled to an existing road or campsite.	Soils