

## Instructions for "ROUNDWOOD RECEIVED FOR PROCESSING, Composite-Fuel"

This instruction sheet is provided to help you fill out the "ROUNDWOOD RECEIVED FOR PROCESSING, Composite-Fuel" s. This form has been designed to determine the location, size, and composition of the primary wood-using mills in your State, the volume of roundwood harvested by product, species, and geographic location, and the volume and disposition of wood residues generated during primary processing for the calendar year indicated. Your cooperation completing this form for your mill will make the results of this survey comprehensive, accurate, and timely. All information is held in confidentiality and used only for statistical reports. No individual mill production data will be released. Your cooperation is appreciated.

**ROUNDWOOD is defined as any log, bolt, or other round section (including chips from roundwood cut from trees for industrial or consumer use. This includes saw logs, veneer logs, cooperage logs and bolts, pilings, poles, posts, hewn ties, and various other round, split, or hewn products.**

### Page 1 -- Mill Information (This page only needs to be completed once per mill location.)

- \* Fill in the Business/Company name and mailing address. Also record the name and phone number of the owner, manager, or person that can be contacted if there are any questions concerning the information on the survey form.
- \* Record the address of the actual mill location if different from the business/company mailing address.
- \* Record the name of the County in which the mill is located. If Latitude and Longitude of mill location are available, they may be entered.
- \* If the mill is part of a larger, Parent company, record the Parent company name and address.
- \* Check the box if No wood was received at this mill location during the calendar year of the survey.  
If no wood was received, no further information is needed. Please return the form in the enclosed envelope.
- \* Check the box under "Type of Roundwood Processed" that indicates the type of roundwood received at the mill for processing. If the mill processes more than one type of roundwood, complete a separate form for each.
- \* Enter the annual capacity of the mill when operating at full capacity, and indicate the unit of measure.
- \* Enter the number of employees, when the mill was established, and the mill status during the survey year.
- \* Check the box if you want the mill name and address to be withheld from "Regional/Statewide Industry" directories.
- \* Check the box to be notified about the report resulting from this study.

### Page 2 -- SECTION 2. ORIGINS AND SPECIES OF ROUNDWOOD PROCESSED

(This page should be completed for each 'Type of Roundwood Processed' in section 2.1)

- \* Check the box under "Type of Roundwood Processed" that indicates the type of roundwood received at the mill for processing. If the mill processes more than one type of roundwood, complete a separate form for each.
- \* Enter the total volume of roundwood received at the mill for the 'Type of Roundwood Processed' checked in Section 2.1, the unit of measure for softwood and hardwood, and the average log length and top diameter of logs processed at the mill. If the Unit of Measure is a weight measurement, please indicate the conversion factor the mill uses for pounds per board foot or cord.
- \* Indicate if the mill processes any logs from cities or towns (urban areas), and if so, what percent of the reported total volume of roundwood received came from cities or towns (urban areas).
- \* Indicate what percent of the reported total volume of roundwood received came from salvaged dead trees.
- \* Enter the amount or percent of each species group processed at the mill for the Raw Material (Logs/Roundwood) checked in Section 2.1. Break out the amount/percent by Roundwood, Whole tree chips or In-woods-chips (WTC and peeled roundwood or peeled and chipped. Enter "W" in the 'Roundwood, WTC (W), Peeled (P)' column for the amount/percent of wood that is whole tree chips or in-woods-chips. Enter "P" for the amount/percent that is peeled or peeled and chipped. Leave blank for bark on roundwood logs. Across the columns at the top of the table, enter State and county, and foreign Country that the Raw Material (Logs/Roundwood) came from. Then fill in the table entering the amount or percent of each species that came from each county. If the species is not listed, enter it in the last three rows labeled "Other:" A species list is at the bottom of page. If you need more space, please duplicate this form.

(Continued on next page.)

## **Instructions for "ROUNDWOOD RECEIVED FOR PROCESSING, Composite-Fuel" (continued)**

### **Page 3-- SECTION 3. Mill equipment, wood process type, products produced, production amounts, and boiler/hog fuel, amounts.**

(This page only needs to be completed once per mill location.)

- \* Check the wood process type and mill equipment found at the mill.
- \* Enter the percent of the group for each type of product produced at the mill.
- \* Enter the total amount produced for each 'Type of Roundwood Processed' in section 2.1, the unit of measure, and the amount of finished product exported out of the United States.
- \* If the mill receives mill residues from other wood-using mills, enter the State or Foreign Country of origin. Whole tree chips or in-woods-chips should be entered on Page 2. Enter the amount of mill residues under the type of mill residue received from each State or Foreign Country by softwoods and hardwoods. Indicate the unit of measure reported in.
- \* If the mill receives roundwood, in-woods chips, whole-tree chips, and/or tops and limbwood used for Boiler/hog fuel/industry fuel, record the total amount by State of origin, and softwoods and hardwood, and indicate the unit of measure.

### **Pages 4 -- SECTION II. DISPOSAL OF BARK AND WOOD RESIDUES GENERATED**

(This page should be completed for each 'Type of Roundwood Processed' in section 2.1.)

- \* Check the box under "Type of Roundwood Processed" that indicates the type of roundwood received at the mill for processing. If the mill processes more than one type of roundwood, complete a separate form for each.
- \* Enter the amount of mill residues that were generated by processing the type of Raw Material (Logs/Roundwood) Section 4.1 for each type of mill residue and for Softwoods and Hardwoods. Indicate the "Unit of Measure."
- \* Enter the percent for each type of "USE OF MILL RESIDUE" by the type of mill residue, and Softwoods and Hardwoods. The columns should sum to 100%.

Survey form.

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**ROUNDWOOD RECEIVED FOR PROCESSING, Composite-Fuel, STATE, year**

**Section 1.1**

**Business/Company Name:** \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City/State/Zip code: \_\_\_\_\_

Phone number: \_\_\_\_\_ Fax number: \_\_\_\_\_

Company website: \_\_\_\_\_ Company e-mail: \_\_\_\_\_

**Contact Name and Title:** \_\_\_\_\_ Title: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City/State/Zip code: \_\_\_\_\_

Phone number: \_\_\_\_\_ e-mail address: \_\_\_\_\_

**Mill physical location if different from mill mailing address**

Mill physical address: \_\_\_\_\_

City/State/Zip code: \_\_\_\_\_

County mill is located in: \_\_\_\_\_ Latitude of mill: \_\_\_\_\_ Longitude of mill: \_\_\_\_\_

**Parent Company Name (if different from Mill Name):** \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City/State/Zip code: \_\_\_\_\_

Phone number: \_\_\_\_\_ Fax number: \_\_\_\_\_

Check here if "NO" wood was processed during the calendar year and return form. No further information is needed.

**Instructions:** This form is for reporting the quantities and types of logs received by this mill in, and the disposal of plant residues resulting from the manufacturing or processing of wood products. Please complete this form and return it promptly. If complete records are not available, please give your best estimates. **Do not include logs or bolts sold or transferred to another primary processing plant. Complete page 2 and 4 for each 'Type of Roundwood Processed' checked in Section 1.2 below. Only 1 page 1 and 3 need to be completed for each mill.** This survey is voluntary. While you are not required to respond your cooperation is needed to make the results of the survey comprehensive, accurate, and timely. **ALL VOLUMES REPORTED WILL BE HELD CONFIDENTIAL AND WILL ONLY BE USED TO AGGREGATE TO THE COUNTY AND STATE LEVEL.**

**Section 1.2**

**Type of Roundwood Processed:**

Composite panel/Engineered wood product mill

Industrial fuelwood/Biomass/energy plant

Annual mill capacity (volume per year when operating at full capacity): \_\_\_\_\_ Unit of measure: \_\_\_\_\_

Number of employees: \_\_\_\_\_ Year mill established: \_\_\_\_\_

Mill status (check one): \_\_\_ Active \_\_\_ New \_\_\_ Idle \_\_\_ Closed/Out of Business \_\_\_ Dismantled

Check here if you want the mill's name and address to be withheld from "Regional/Statewide Industry" directories.

Check here if you wish to be notified about the report resulting from this study.

**For Official Use Only.**

Interviewer's Name and Title: \_\_\_\_\_ Phone: \_\_\_\_\_ Date of Interview: \_\_\_\_\_

Interview type: mail \_\_\_ phone \_\_\_ personal contact \_\_\_ e-mail \_\_\_

MILL\_NBR: \_\_\_\_\_ State: \_\_\_ County: \_\_\_ Product: \_\_\_\_\_ Total volume: \_\_\_\_\_

Public reporting burden for this collection of information is estimated to average 50 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. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, Room 404-W, Washington, DC 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB# 0596-0010), Washington, DC 20503.

**Section 2. ORIGINS AND SPECIES OF ROUNDWOOD PROCESSED**

**ROUNDWOOD** is defined as any log, bolt, or other round section (including chips from roundwood) cut from trees for industrial or consumer use.

This includes saw logs, veneer logs, cooperage logs and bolts, pilings, poles, posts, hewn ties, and various other round, split, or hewn products.

**2.1. Type of Roundwood Processed (check one). From Section 1.2**

<input type="checkbox"/> Composite panel/Engineered wood product mill	<input type="checkbox"/> Industrial fuelwood/Biomass/energy plant
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**2.2. Amount of Roundwood received and processed at the mill.**

Enter the TOTAL amount of Raw Material (Logs/Roundwood) received and processed at the mill for the 'Type of Roundwood Processed' checked in 2.1 above.  Amount: _____	<b>Softwood</b> Unit of Measure (from list at right)	<b>Hardwood</b> Unit of Measure (from list at right)	If Unit of measure is a weight, enter <b>Softwood</b> Weight conversion factor	If Unit of measure is a weight, enter <b>Hardwood</b> Weight conversion factor	Average Log Length (in feet)	Average Log Top Diameter (in inches)	<b>Units of Measure:</b> 21 - Standard cord (4' X 4' X 8') 22 - Lake States cord (4' X 4' X 100") 31 - Green tons (short, 2,000 lbs) 33 - Green metric tonnes  43 - Thousand cubic feet 47 - Thousand cubic meters 99 - Other (specify): _____
			_____ lbs. per cord	_____ lbs. per cord			

Do you process any logs from cities or towns (urban areas) at your mill?  YES  NO If YES, what percent of the total roundwood received was urban wood in **year?** \_\_\_\_\_ %

What percent of the total roundwood received was from salvaged dead trees from forested areas? \_\_\_\_\_ %

**2.3. Species and Origin of roundwood received at mill.**

Please enter the amount or percent of roundwood received, broken out by roundwood, whole tree chips (WTC), and peeled roundwood or peeled and chipped roundwood.

Enter "W" in the 'Roundwood, WTC (W), Peeled (P)' column for amount of whole tree chips, and "P" for roundwood amounts that are peeled, including peeled and chipped.

Please complete the matrix to the best of your knowledge. If you don't know the exact origin please give approximate values for the top counties within the mill's procurement zone

Provide county name as headings for column below. If out of state or foreign origin please specify state or Country. Add additional sheets as needed.														
Species Group Name	Amount received by spp	Roundwood, WTC (W), Peeled (P)												Total All Counties
Cedar/juniper														100%
Balsam fir														100%
Jack pine														100%
Red pine														100%
White pine														100%
Other pine														100%
Ash														100%
Aspen/balsam poplar														100%
Basswood														100%
Yellow birch														100%
White (paper) birch														100%
Other birch														100%
Black cherry														100%
Black walnut														100%
Cottonwood														100%
Elm														100%
Hickory														100%
Hard maple														100%
Soft maple														100%
Yellow-poplar														100%
Red oak														100%
White oak														100%
Other: from list below														100%
Other: from list below														100%

- Other species**
- |             |                         |                        |                     |                |         |          |          |                            |
|-------------|-------------------------|------------------------|---------------------|----------------|---------|----------|----------|----------------------------|
| Cypres      | Hemlock                 | Ponderosa/Jeffrey pine | Longleaf/slash pine | Sugar pine     | Spruce  | Alder    | Beech    | Tupelo/black gum           |
| Douglas-fir | Loblolly/shortleaf pine | Lodgepole pine         | Lodgepole pine      | Tamarack/larch | Redwood | Sweetgum | Sycamore | Other hardwoods not listed |

**Section 3 - Mill equipment, wood process type, products produced, production amounts, and boiler/hog fuel, amounts.**

**3.1. Check type of equipment in use.**

<b>Wood process type</b>	<b>Equipment</b>	<b>Equipment</b>
<input type="checkbox"/> Sulfite	<input type="checkbox"/> Slab chipper	<input type="checkbox"/> Firewood Processor
<input type="checkbox"/> Kraft	<input type="checkbox"/> Chipper	<input type="checkbox"/> Wood-fired boiler
<input type="checkbox"/> Groundwood/Mechanical	<input type="checkbox"/> Debarker	<input type="checkbox"/> Optimizer equipment
<input type="checkbox"/> Semicheical	<input type="checkbox"/> Dry kiln	<input type="checkbox"/> Machine stress-rating
<input type="checkbox"/> Kraft/Groundwood	<input type="checkbox"/> Treating equipment	<input type="checkbox"/> Other - specify _____
<input type="checkbox"/> Thermochemical	<input type="checkbox"/> Chip Canter	_____
<input type="checkbox"/> Thermomechanical	<input type="checkbox"/> Shaving machine	<input type="checkbox"/> Other - specify _____
<input type="checkbox"/> Pelletizer	<input type="checkbox"/> Hammer mill	_____
<input type="checkbox"/> Other - specify _____		_____

**Section 3.2 -- Products produced from logs received in year.**

Enter the percent of the total for each group of products produced from logs, or chipped logs.  
Do not include products that are produced from mill residues such as bark, sawdust, planer shavings, slabs, etc.

<b>Composite panel/Engineered wood products</b>	<b>Bioenergy/Fuelwood</b>	<b>Other miscellaneous products</b>
<input type="checkbox"/> % 401 - Oriented Strand Board (OSB)	<input type="checkbox"/> % 500 - Industrial fuelwood (co-gen,steam,etc)	<input type="checkbox"/> % 1101 - Mulch, soil additives, compost
<input type="checkbox"/> % 402 - Particle board	<input type="checkbox"/> % 501 - Industrial fuelwood - electricity/power	<input type="checkbox"/> % 1102 - Chemical extractives
<input type="checkbox"/> % 403 - Wafer board	<input type="checkbox"/> % 502 - Industrial fuelwood - heat/steam	<input type="checkbox"/> % 1105 - Shavings/excelsior (packing material, bedding, etc.)
<input type="checkbox"/> % 404 - Hardboard	<input type="checkbox"/> % 510 - Pellets	<input type="checkbox"/> % 1106 - Novelty
<input type="checkbox"/> % 405 - Medium density fiber board (MDF)	<input type="checkbox"/> % 511 - Pellets - Residential grade	<input type="checkbox"/> % 1107 - Foreign Export logs
<input type="checkbox"/> % 406 - Laminated veneer lumber (LVL)	<input type="checkbox"/> % 512 - Pellets - Torrefied	<input type="checkbox"/> % 1108 - Other -
<input type="checkbox"/> % 407 - Other engineered product -	<input type="checkbox"/> % 513 - Pellets/briquettes - Industrial grade	Specify: _____
Specify: _____	<input type="checkbox"/> % 514 - Pellets - other(please specify)	
	<input type="checkbox"/> % 530 - Pressed/reconstituted logs (Presto)	
	<input type="checkbox"/> % 540 - Liquid fuels	
	<input type="checkbox"/> % 541 - Liquid fuels - Ethanol	
	<input type="checkbox"/> % 542 - Liquid fuels - Other (aviation fuel,etc)	
	<input type="checkbox"/> % 550 - Other energy products -	
	Specify: _____	

**Charcoal**

% 520 - Charcoal/briquettes

**Section 3.3 -- Volume of product produced from Raw Material (Logs/Roundwood) Processed in year.**

Please enter amount of mill product produced in year from each type of RAW MATERIAL (Logs/roundwood) by softwoods and hardwoods.

Product Produced	Amount	Unit of Measure (codes at right)
Composite panel/ Engineered wood products		
Bioenergy/Fuelwood		
Other - specify: _____		

**Units of Measure**

- 31 - Green tons
- 32 - Dry tons
- 72 - Thousand Square Feet
- 99 - Other (specify): \_\_\_\_\_

Do you export finished product out of the Country?  NO  YES. Percent of finished product exported out of the United States: \_\_\_\_\_ %.

**Section 3.4 -- PLANT BYPRODUCTS RECEIVED FOR USE IN PRODUCTION OF COMPOSITE PANELS OR INDUSTRIAL FUELWOOD**

Instructions: Select the unit of measure the volume is reported in. Indicate the State of origin, plant byproduct, and the volume each species group received.  
Wood chips are chips from coarse mill residues. Whole tree chip volumes should be recorded as roundwood on page 2.

Check only one Unit of Measure <input type="checkbox"/> XX <input type="checkbox"/> Standard cord <input type="checkbox"/> Dry tons <input type="checkbox"/> Green tons <input type="checkbox"/> Other (specify): _____	Origin of byproduct		Wood chips		Sawdust		Other byproducts	
	State or foreign Country	ST code (office use)	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood

**Section 3.5 -- Volume of hog fuel/industrial fuelwood received in year. (Composite panel/Engineered wood product mills only)**

Please record the volume/amount of in-woods chips, whole-tree chips, and/or tops and limbwood used for Boiler/hog fuel/industrial fuelwood that you received at the mill in year.

State or foreign Country	ST code (office use)	Boiler/hog fuel volume	
		Softwood	Hardwood

**Check the unit of Measure used (only one)**

- Dry tons
- Green tons
- Thousand cu. ft.
- Other (specify): \_\_\_\_\_

**Section 4—MILL RESIDUE and MILL RESIDUE USE for (year)**

Check if no residues are produced, everything goes into product. If no residues are produced. Skip sections 4.1, 4.2, and 4.3.

**4.1. Type of Roundwood Processed (check one). From Section 1.2**

Composite panel/Engineered wood product mill  Industrial fuelwood/Biomass/energy plant

**4.2. Please enter the amount of mill residue produced by this mill.**

Type of Residue	Softwood	Hardwood	Unit of Measure (example: green tons, dry tons, thousand cubic feet, etc.)
Bark			
Coarse (chips, slabs, edgings, trims, cores, etc.)			
Fine - Shavings (Planer or Lathe)			
Fine - Sawdust			
Whole logs or short sections chipped or not processed as mills primary product			

**4.3. Disposal of mill residues**

Instructions: For each type of wood residue generated at your mill, enter the percentage that was disposed of by the various means. Each column should sum to 100% for each species group recorded.

Disposal of Mill Residues	BARK		COARSE (chips, slabs, edgings, trims, cores, etc.)		FINE				WHOLE LOGS/SHORT SECTIONS	
	Softwood %	Hardwood %	Softwood %	Hardwood %	Shavings (Planer or Lathe)		Sawdust		Softwood %	Hardwood %
					Softwood %	Hardwood %	Softwood %	Hardwood %		
Manufacture of fiber/composite products										
Small dimension and other sawn products										
Charcoal or chemical wood										
Industrial fuel at this plant (on-site)										
Industrial fuel at other plants										
Bio-energy pellets										
Other Bio-energy products (biodiesel, etc)										
Residential fuelwood										
Mulch/Soil additive (includes biochar)										
Animal bedding										
Other misc. uses- please specify: _____										
<b>NOT USED</b> (land fill, burned, etc.)										
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>