

Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

See Instructions for Form No. 62-210.900(3)

I. APPLICATION INFORMATION

Identification of Facility

1.	Facility Owner/Company Name: R	lobbins Ma	nufacturin	g Company		
2.	Site Name: Robbins Sawmill					
3.	Facility Identification Number: 119	90011	[] Unknown		
1	Facility Location: Street Address or Other Locator: 13904 State Road 471					
	City: Tarrytown C	County: Sun	nter	Zip Code: 33597		
5.	Relocatable Facility?	6	. Existing	Permitted Facility?		
	[] Yes [X] No		[X]Yes	[] No		
	Application Contact 1. Name and Title of Application Contact: Frank Darabi, P.E.					
	Application Contact Mailing Address: Organization/Firm: Darabi & Associates, Inc. Street Address: 730 NE Waldo Road, Building A					
	City: Gainesville	State	: Florida	Zip Code: 32641		
3.	Application Contact Telephone Nu	mbers:				
	Telephone: (352) 376-6533 Fax: (352) 377-3166					
<u>Apr</u>	plication Processing Information	(DEP Use)				
1. I	Date of Receipt of Application:					
2 1	Permit Number:					

DEP Form No. 62-210.900(3) - Form



August 29, 2005

Mr. Jim McDonald
Division of Air Resource Management, Permitting Section
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

RE: Robbins Manufacturing Company, Sawmill Tarrytown, Florida, Sumter County Non-Title V Air Pollution Operations Permit D&A No.: 04100-690-01-0100

Dear Mr. McDonald,

Please find enclosed four (2) copies of the application for Non-Title V Air Pollution Operations Permit for Robbins Manufacturing Company's (Robbins) Sawmill located in Tarrytown, Florida, Sumter County. Additionally, find enclosed payment to cover the application-processing fee.

If you have any further questions or concerns, please contact me at 971-3030 or jrobbins@robbinslumber.com.

Sincerely,

Robbins Manufacturing Company

Jerome G. Robbins, II

Enclosures: (3)

Purpose of Application

Air Operation Permit Application

1 h	15	Application for Air Permit is submitted to obtain: (Check one)
[-]	Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
[]	[]	Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.
		Current construction permit number: 1190011-004-AC
[]	Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.
		Current construction permit number:
		Operation permit number to be revised:
[]	Initial non-Title V air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.
		Current operation/construction permit number(s):
[]	Non-Title V air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.
		Operation permit number to be revised:
		Reason for revision:
Ai	r (Construction Permit Application
Th	is	Application for Air Permit is submitted to obtain: (Check one)
[X	[]	Air construction permit to construct or modify one or more emissions units.
[]	Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
٢	1	Air construction permit for one or more existing but unpermitted emissions units

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative:

Jerome G. Robbins, II, Vice President

2. Owner/Authorized Representative Mailing Address:

Organization/Firm: Robbins Manufacturing Company

Street Address: P.O. Box 17939

City: Tampa

State: Florida

Zip Code: 33682

3. Owner/Authorized Representative Telephone Numbers:

Telephone: (813) 971-3030

Fax: (813)972-3980

4. Owner/Authorized Representative Statement:

I, the undersigned, am the owner or authorized representative* of the facility addressed in this application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.

Signature

8-25-05

Date

Professional Engineer Certification

1. Professional Engineer Name: Frank Darabi, P.E.

Registration Number: 20385

2. Professional Engineer Mailing Address:

Organization/Firm: Darabi & Associates, Inc.
Street Address: 730 NE Waldo Road, Building A

City: Gainesville

State: Florida

Zip Code: 32641

3. Professional Engineer Telephone Numbers:

Telephone: (352) 376-6533

Fax: (352) 377-3166

Effective: 2/11/99

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^{*} Attach letter of authorization if not currently on file.

4. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

- (1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and
- (2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [X], if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [], if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial dance with the information given in the corresponding application for air tion permit and with all provisions contained in such permit.

8/16/05

x ception to certification statement.

Scope of Application

Emissions		Permit	Processing
Unit ID	Description of Emissions Unit	Type	Fee
001	Abco Industries Boiler (west)	AO2B	\$1,000
002	Hurst Boiler (east)	AO2B	n/a, similar source as EU 001
003	Lumber Drying Kiln No. 1 (northeast)	AO2B	\$ 750
004	Lumber Drying Kiln No. 2 (southwest)	AO2B	n/a, similar source as EU 003
005	Sawdust Storage Silo	AO2B	\$ 750
006	Planer Shavings Storage Bin	AO2B	n/a, similar source as EU 005
006	Planer Shavings Storage Bin	AOMM-	\$ 250
		Acmm	
6	•		

Application Processing Fee

Check one: [X] Attached - Amount: \$2,750 [] Not Applicable

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Construction/Modification Information

1. Description of Proposed Project or Alterations:

This application is to include the operation of Robbins Sawmill in Tarrytown, Florida. The facility is currently operating under Construction Permit 1190011-004-AC.

After a review of the facility's construction permit conditions and current production records, it was determined that the production rate of sawdust from the sawmill and shavings from the planer mill, as listed in the construction permit, needed revision.

The sawdust generation rate was originally estimated based on the sawdust being delivered to the storage silo from the sawmill. The weight of the sawdust was found to vary, based on the varying moisture content of the sawdust being generated. To better quantify the generation rate of sawdust, we have modified this section and now base our determination on the known weight of the sawdust being burned at Boiler No. 2 in a 24-hour period.

Based on actual production numbers (refer to Document No. 1190011_a1_0805, attached) the actual time to fill the planer mill shavings storage bin is one 10 hour shift (originally calculated as 24 hours). Therefore, the maximum amount of shavings that can be generated in a 24-hour period is calculated as 134.4 tons (see calculations below). The facility respectfully requests an increase in planer mill shavings production from 2.33 tons per hour to 5.60 tons per hour.

Calculations:

Given: 56 tons shavings per storage bin (10 hours to fill) (56 tons/fill) * (1 fill/10hrs) = 5.6 tph (5.6 tph) * (24 hr) = 134.4 tpd

Original estimation: (56 tpd)/24 hrs/d = 2.33 tphNew estimation: (134.4 tpd)/24 hr/d = 5.60 tph

These modifications do not affect the emissions calculations of the sawdust storage silo or planer mill shavings storage bin (EU 005 and 006). The emission factor for each is based on hours of operations.

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- 2. Projected or Actual Date of Commencement of Construction:
- 3. Projected Date of Completion of Construction:

Application Comment

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II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1.	Facility UTM Coor	dinates:			
	Zone: 17	East (km):	390	6.70 Nort	h (km): 3158.89
2.	Facility Latitude/Lo	ongitude:			
	Latitude (DD/MM/S	SS):		Longitude (DD/MM	1/SS):
3.	Governmental	4. Facility Status	5.	Facility Major	6. Facility SIC(s):
	Facility Code: 0	Code: A		Group SIC Code:	2421
				24	
7	Engility Commont (limit to 500 abanatana).			
7.	racinty Comment (limit to 500 characters):			
		•			

Facility Contact

1.	Name and	Title of Facil	ity Contact:	Bruce Lee	e, Operations N	Manager

2. Facility Contact Mailing Address:

Organization/Firm: Robbins Manufacturing Company

Street Address: 13904 State Road 471

City: Tarrytown State: Florida Zip Code: 33957

3. Facility Contact Telephone Numbers:

Telephone: (352) 568-3490 Fax: (352) 793-2025

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Facility Regulatory Classifications

Check all that apply:

1. [] Small Business Stationary Source? [] Unknown					
2. [] Synthetic Non-Title V Source?					
3. [] Synthetic Minor Source of Pollutants Other than HAPs?					
4. [] Synthetic Minor Source of HAPs?					
5. [X] One or More Emissions Units Subject to NSPS?					
6. [] One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?					
7. Facility Regulatory Classifications Comment (limit to 200 characters):					
	i				
	<u> </u>				
Rule Applicability Analysis					
40 CFR 60, Subpart Dc					
62-296.410, F.A.C.					

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions	5. Pollutant Comment	
Elimited	Classii.	lb/hour	tons/year	Cap	Comment	
СО	NS					
NOx	NS					
SO2	NS					
PM	NS					
PM10	NS					
Pb	NS					
VOC	NS			· · · · · · · · · · · · · · · · · · ·	,	
H095	NS					
H115	NS					
		·		·		
	i		-			
					,	

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C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

2. Facility Plot Plan: [] Attached, Document ID: [] Not Applicable [X] Waiver Requested						
3. Process Flow Diagram(s): [] Attached, Document ID: [] Not Applicable [X] Waiver Requested						
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [] Attached, Document ID: [] Not Applicable [X] Waiver Requested						
Supplemental Information for Construction Permit Application: [] Attached, Document ID: [X] Not Applicable						
6. Supplemental Requirements Comment: Supplemental documentation previously submitted with construction permit. The information remains unchanged. Document No. 1190011_a1_0805 includes the following information: • The daily amount of wood burned in each boiler (in lbs) for the month of June • The daily number of hours the boilers remained in operation for the month of June • The daily amount of lumber or poles dried in each kiln (in Mbf) for the month of June • The total number of lumber/poles (in Mbf) dried in the kilns for the most recent 12 months • The daily amount of wood processed in the Sawmill and Planer Mill (in Mbf) for the month of June • The total daily hours when the sawdust silo and Planer Mill Storage Bin were filled for the month of June • The daily average filling rate of the sawdust and planer shavings						

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Emissions Unit Informat Section <u>1</u> of <u>6</u>	
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III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1.	Type of Emissions Unit Ad	Idressed in This Section: (Check of	one)			
[X	X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).					
[] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.					
[-	rmation Section addresses, as a sints and activities which produce fu	•			
2.	Description of Emissions Unit Addressed in This Section (limit to 60 characters): Abco Industries Boiler (west)					
3.	Emissions Unit Identification Number: EU 001 [] No ID [] ID Unknown					
4.	Emissions Unit Status Code: A	5. Initial Startup Date:	6. Emissions Unit Major Group SIC Code: 24			
7.	Emissions Unit Comment: (Abco Industries Boiler, 26	•				

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Cyclone separator – manufactured by S & S Construction Company

Design flow rate = 9,405 cfm Actual flow rate = 6,650 cfm

2. Control Device or Method Code(s): 075

Emissions Unit Details

1.	Package Unit: Manufacturer: Abco Industries		Model Number:	
2.	Generator Nameplate Rating:	MW		
3.	Incinerator Information:			
	Dwell Temperature:		°F	
Dwell Time:			seconds	
	Incinerator Afterburner Temperature:		°F	

Emissions Unit Operating Capacity and Schedule

- 1. Maximum Heat Input Rate: 13.1 mmBtu/hr
- 2. Maximum Incineration Rate: 1,875 lbs wood waste burned per hour (1,875 lbs/hr)
- 3. Maximum Process or Throughput Rate:
- 4. Maximum Production Rate:
- 5. Requested Maximum Operating Schedule:

24 hours/day

7 days/week

52 weeks/year

8,760 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters):

Average heat input rating = 12.43 MMbtu/hr

Average process throughput = 1,775 lb wood waste/hr

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1.	Identification of Point on Plot Plan or Flow Diagram? Boiler No. 1		2. Emission Point Type Code: 1					
3.	 Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Abco Industries Boiler 							
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:							
5.	Discharge Type Code: V	6. Stack Heig	ht: 30-ft	7. Exit Diameter: 1.67-ft				
8.	Exit Temperature: 450°F	9. Actual Vol Rate: 6,650	umetric Flow acfm	10. Water Vapor: 14 %				
11.	11. Maximum Dry Standard Flow Rate: 12. Nonstack Emission Point Height: feet							
13.	Emission Point UTM Coord Zone: 17 E		Nortl	h (km): 3158.89				
14.	Zone: 17 East (km): 396.70 North (km): 3158.89 14. Emission Point Comment (limit to 200 characters):							

Emissions Out thiorma. Section 1 of 0	Emissions	Unit Informa	. Section 1	<u>l</u> of <u>6</u>
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C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1 1. Segment Description (Process/Fuel Type) (limit to 500 characters): External Combustion Boilers; Industrial; Wood/Bark Waste; Wood-fired Boiler -Wet Wood (>= 20% moisture) 2. Source Classification Code (SCC): 3. SCC Units: 1-02-009-03 tons burned 5. Maximum Annual Rate: 4. Maximum Hourly Rate: 6. Estimated Annual Activity 0.94 8,212.5 Factor: 7. Maximum % Sulfur: 8. Maximum % Ash: 9. Million Btu per SCC Unit: 14 10. Segment Comment (limit to 200 characters): Maximum annual rate (tpy) = $(1,875 \text{ lbs/hr}) \times (\text{tons/2,000 lbs}) \times (8,760 \text{ hrs/yr})$ = 8,212.5 tpyMaximum hourly rate $(tph) = (1,875 lbs/hr) \times (tons/2,000 lb)$ = 0.94 tph= $(7,000 \text{ btu/lb}) \times (2,000 \text{ lb/ton}) \times (MMbtu/10^6 \text{ btu})$ MMbtu/SCC = 14 MMbtu/SCC Segment Description and Rate: Segment of 1. Segment Description (Process/Fuel Type) (limit to 500 characters): 2. Source Classification Code (SCC): 3. SCC Units: 5. Maximum Annual Rate: 4. Maximum Hourly Rate: 6. Estimated Annual Activity Factor: 7. Maximum % Sulfur: 8. Maximum % Ash: 9. Million Btu per SCC Unit: 10. Segment Comment (limit to 200 characters):

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Emissions Unit Informa	Section	1	_ of <u>_6</u>
Pollutant Detail Information	on Page	<u>1</u>	of <u>7</u>

Potential Emissions

1. Pollutant Emitted: CO	2. Pollutant Regulatory Code: NS	
3. Primary Control Device 4. Secondary Code: 075 Code: 000	Control Device 5. Total Percent Efficiency of Control:	
6. Potential Emissions: 7.86 lb/hour 34.	7. Synthetically Limited? [N]	
8. Emission Factor: 0.6 lb/MMbtu	9. Emissions Method Code:	
Reference: AP-42, Fifth Edition, Chapter 1 Wood Residue Combustion in Boilers	, Section 1.6	
10. Calculation of Emissions (limit to 600 ch Hourly CO emissions (pph) = (0.6 lb = 7.86 pp	CO/MMbtu) x (13.1 MMbtu/hr)	
Annual CO emissions (tpy) = (0.6 lb CO/MMbtu) x (13.1 MMbtu/hr) x (8,760 hrs/yr) x (tons/2,000 lbs) = 34.4 tpy		
11. Pollutant Potential Emissions Comment (limit to 200 characters):	
Allowable Emissions of		
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:	
3. Requested Allowable Emissions and Uni	s: 4. Equivalent Allowable Emissions:	
	lb/hour tons/year	
5. Method of Compliance (limit to 60 chara	eters):	
6. Allowable Emissions Comment (Desc. of	Operating Method) (limit to 200 characters):	

Emissions Unit Inform.	n Section	1	of <u>6</u>	
Pollutant Detail Informa	tion Page	2	of 7	

Potential Emissions

1. Pollutant Emitted: NOx 2	Pollutant Regulator	y Code: NS	
3. Primary Control Device 4. Secondary Code: 075 Code: 000		otal Percent Efficiency f Control:	
6. Potential Emissions: 2.88 lb/hour 12.6 tons/year		ynthetically Limited? N]	
8. Emission Factor: 0.22 lb/MMbtu	9. E	missions Method Code:	
Reference: AP-42, Fifth Edition, Chapter 1, So Wood Residue Combustion in Boilers	ection 1.6		
10. Calculation of Emissions (limit to 600 chara	cters):		
Hourly NOx emissions (pph) = (0.22 lb NOx/MMbtu) x (13.1 MMbtu/hr) = 2.88 pph			
Annual NOx emissions (tpy) = (0.22 lb NOx/MMbtu) x (13.1 MMbtu/hr) x (8,760 hrs/yr) x (tons/2,000 lbs) = 12.6 tpy			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			
Allowable Emissions Allowable Emissions	of		
1. Basis for Allowable Emissions Code:	2. Future Effective Emissions:	Date of Allowable	
3. Requested Allowable Emissions and Units:	4. Equivalent Allov	wable Emissions:	
	lb/hou	r tons/year	
5. Method of Compliance (limit to 60 character	rs):		
6. Allowable Emissions Comment (Desc. of Op	perating Method) (lim	it to 200 characters):	

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Pollutant Detail Informat	ion Page	3	of 7	

Potential Emissions

1. Pollutant Emitted: SO2	2. Pollutant Regu	ılatory Code: NS	
3. Primary Control Device 4. Secondary C Code: 075 Code: 000	Control Device	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 0.328 lb/hour 1.43	tons/year	7. Synthetically Limited? [N]	
8. Emission Factor:		9. Emissions Method Code:	
Reference: AP-42, Fifth Edition, Chapter 1, S Wood Residue Combustion in Boilers	Section 1.6	3	
10. Calculation of Emissions (limit to 600 characters): Hourly SO2 emissions (pph) = (0.025 lb SO2/MMbtu) x (13.1 MMbtu/hr) = 0.328 pph			
Annual SO2 emissions (tpy) = (0.025 lb SO2/MMbtu) x (13.1 MMbtu/hr) x (8,760 hrs/yr) x (tons/2,000 lbs) = 1.43 tpy			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			
Allowable Emissions	of		
Basis for Allowable Emissions Code:	2. Future Effe Emissions:	ective Date of Allowable	
3. Requested Allowable Emissions and Units:	4. Equivalent	Allowable Emissions:	
	11	o/hour tons/year	
5. Method of Compliance (limit to 60 character	ers):		
6. Allowable Emissions Comment (Desc. of O	perating Method	(limit to 200 characters):	

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Pollutant Detail Informatio	n Page	4	of 7	

Potential Emissions

1. Pollutant Emitted: PM	2. Pollutant Regula	atory Code: NS
3. Primary Control Device 4. Secondary C Code: 075 Code: 000	Control Device 5	. Total Percent Efficiency of Control:
6. Potential Emissions: 4.59 lb/hour 20	7.1 tons/year	. Synthetically Limited? [N]
8. Emission Factor:		. Emissions Method Code:
Reference: AP-42, Fifth Edition, Chapter 1, Section 1.6 Wood Residue Combustion in Boilers		3
10. Calculation of Emissions (limit to 600 characters): Hourly PM emissions (pph) = (0.35 lb PM/MMbtu) x = 4.59 pph		.1 MMbtu/hr)
Annual PM emissions (tpy) = (0.35 lb P (8,760 hrs/y = 20.1 tpy	.1 MMbtu/hr) x os)	
11. Pollutant Potential Emissions Comment (lin	rs):	
Allowable Emissions Of		
Basis for Allowable Emissions Code:	2. Future Effec Emissions:	tive Date of Allowable
3. Requested Allowable Emissions and Units:	4. Equivalent A	Allowable Emissions:
	1b/	hour tons/year
5. Method of Compliance (limit to 60 character	rs):	
6. Allowable Emissions Comment (Desc. of O	perating Method) ((limit to 200 characters):

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Potential Emissions

1. Pollutant Emitted: PM10 2	. Pollutant Regulatory Code: NS		
3. Primary Control Device 4. Secondary Co Code: 075 Code: 000	ontrol Device 5. Total Percent Efficiency of Control:		
6. Potential Emissions: 4.19 lb/hour 18.4	7. Synthetically Limited? [N]		
8. Emission Factor:	9. Emissions Method Code:		
Reference: AP-42, Fifth Edition, Chapter 1, So Wood Residue Combustion in Boilers	ection 1.6		
10. Calculation of Emissions (limit to 600 characters): Hourly PM10 emissions (pph) = (0.32 lb PM10/MMbtu) x (13.1 MMbtu/hr) = 4.19 pph			
Annual PM10 emissions (tpy) = (0.32 lb PM10/MMbtu) x (13.1 MMbtu/hr) x (8,760 hrs/yr) x (tons/2,000 lbs) = 18.4 tpy			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			
Allowable Emissions of			
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:		
	lb/hour tons/year		
5. Method of Compliance (limit to 60 character	rs):		
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):		

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Pollutant Detail Informatio	n Page	<u>6</u>	of 7	

Potential Emissions

1. Pollutant Emitted: VOC	2	2. Pollutant Reg	ulatory Code: N	S
3. Primary Control Device 4. Secon Code: 075 Code:	•	Control Device	5. Total Perce of Control:	ent Efficiency
6. Potential Emissions: 0.223 lb/hour	0.0	75 tong/your	7. Synthetical	ly Limited?
8. Emission Factor:	0.9	75 tons/year	[N] 9. Emissions	Method Code:
Reference: AP-42, Fifth Edition, Chapt	ter 1, S	Section 1.6	3	
Wood Residue Combustion in Boilers		3	·	
10. Calculation of Emissions (limit to 60)		•	/40 4 3 M3 M3	(II.)
Hourly VOC emissions (pph) = $(0.0$ = 0.2	.017 lb 223 pph	•	x (13.1 MINIDIU)	nr)
Annual VOC emissions (tpy) = (0.0	.017 lb.	VOC/MMhen)	v (12 1 MMhtu	/hw) w
1		yr) x (tons/2,000		ш) х
= 0.9'	975 tpy			
11. Pollutant Potential Emissions Comme	ent (lim	nit to 200 charac	ters):	
11.1 Ondiant 1 otoniai Emissions Comm	ioni (mi	int to 200 charac	ccisj.	
Allowable Emissions Allowable Emissi	ions	of		
1. Basis for Allowable Emissions Code:	:	2. Future Eff Emissions	ective Date of A	llowable
3. Requested Allowable Emissions and	Units:	4. Equivalent	t Allowable Em	ssions:
	·	<u> </u>	lb/hour	tons/year
5. Method of Compliance (limit to 60 ch	haracte	ers):		
6. Allowable Emissions Comment (Desc	sc. of O	perating Method	l) (limit to 200 c	haracters):

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Potential Emissions

1. Pollutant Emitted: Pb	. Pollutant Regi	ulatory Code: NS		
3. Primary Control Device 4. Secondary Co Code: 075 Code: 000	ontrol Device	5. Total Percent Efficiency of Control:		
6. Potential Emissions:		7. Synthetically Limited?		
6.29E-4 lb/hour 2.75E-3 tons	s/year	[N .]		
8. Emission Factor: 4.8E-5 lb Pb/MMbtu		9. Emissions Method Code: 3		
Reference: AP-42, Fifth Edition, Chapter 1, So Wood Residue Combustion in Boilers	ection 1.6	3		
Wood Residue Combustion in Bollers				
10. Calculation of Emissions (limit to 600 charae Hourly Pb emissions (pph) = (4.8E-5 lb = 6.29E-4 pp	Pb/MMbtu) x	(13.1 MMbtu/hr)		
Annual Pb emissions (tpy) = (4.8E-5 lb Pb/MMbtu) x (13.1 MMbtu/hr) x (8,760 hrs/yr) x (tons/2,000 lbs) = 2.75E-3 tpy				
11. Pollutant Potential Emissions Comment (limit to 200 characters):				
		·		
Allowable Emissions Allowable Emissions	of			
Basis for Allowable Emissions Code:	2. Future Effe Emissions:	ective Date of Allowable		
3. Requested Allowable Emissions and Units:	4. Equivalent	Allowable Emissions:		
	1	b/hour tons/year		
5. Method of Compliance (limit to 60 character	rs):			
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):		

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Emissions Unit Informa	Section 1	of <u>6</u>
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E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation 1 of 1

1.	Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity:
	7 .	[X] Rule [] Other
3.	Requested Allowable Opacity:	<u> </u>
	• • •	al Conditions: 40 %
	Maximum Period of Excess Opacity Allowe	
4.	Method of Compliance: Method 9	
5.	Visible Emissions Comment (limit to 200 cl	haracters):
	•	
	F. CONTINUOUS MO	NITOR INFORMATION
	(Only Emissions Units Subj	ect to Continuous Monitoring)
<u>C</u>	(Only Emissions Units Subjections Monitoring System: Continuous	ect to Continuous Monitoring)
	•	ect to Continuous Monitoring)
1.	Parameter Code:	Monitor of 2. Pollutant(s):
1.	ontinuous Monitoring System: Continuous	Monitor of
1.	Parameter Code: CMS Requirement:	Monitor of 2. Pollutant(s):
1.	Parameter Code: CMS Requirement: Monitor Information:	Monitor of 2. Pollutant(s):
1.	Parameter Code: CMS Requirement: Monitor Information: Manufacturer:	Monitor of 2. Pollutant(s): [] Rule [] Other
1. 3. 4.	Parameter Code: CMS Requirement: Monitor Information: Manufacturer: Model Number:	Monitor of 2. Pollutant(s): [] Rule [] Other Serial Number:
1. 3. 4.	Parameter Code: CMS Requirement: Monitor Information: Manufacturer:	Monitor of 2. Pollutant(s): [] Rule [] Other
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information: Manufacturer: Model Number: Installation Date:	Monitor of 2. Pollutant(s): [] Rule [] Other Serial Number: 6. Performance Specification Test Date:
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information: Manufacturer: Model Number:	Monitor of 2. Pollutant(s): [] Rule [] Other Serial Number: 6. Performance Specification Test Date:
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information: Manufacturer: Model Number: Installation Date:	Monitor of 2. Pollutant(s): [] Rule [] Other Serial Number: 6. Performance Specification Test Date:
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information: Manufacturer: Model Number: Installation Date:	Monitor of 2. Pollutant(s): [] Rule [] Other Serial Number: 6. Performance Specification Test Date:
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information: Manufacturer: Model Number: Installation Date: Continuous Monitor Comment (limit to 200	Monitor of 2. Pollutant(s): [] Rule [] Other Serial Number: 6. Performance Specification Test Date:
 3. 4. 5. 	Parameter Code: CMS Requirement: Monitor Information: Manufacturer: Model Number: Installation Date:	Monitor of 2. Pollutant(s): [] Rule [] Other Serial Number: 6. Performance Specification Test Date:

Emissions Unit Informat. Se	ction 1	of 6	
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G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] Not Applicable
6.	Procedures for Startup and Shutdown
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[] Attached, Document ID: [X] Not Applicable
9.	Other Information Required by Rule or Statute
	[X] Attached, Document ID: 1190011 a1 0805 [] Not Applicable
10.	Supplemental Requirements Comment:
	pplemental documentation previously submitted with construction permit. The
inf	ormation remains unchanged.
(in	cument No. 1190011_a1_0805 includes the daily amount of wood burned in the boiler lbs) for the month of June. In addition, it includes the daily number of hours the iler remained in operation for the month of June.

Emissions	Unit Informa	1 Section	2	of 6	

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1.	Type of Emissions Unit Add	dressed in This Section: (Check	one)			
[}	[X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).					
[process or production unit	mation Section addresses, as a single and activities which has at least so produce fugitive emissions.				
[-	mation Section addresses, as a size and activities which produce fu	· ·			
2.	 Description of Emissions Unit Addressed in This Section (limit to 60 characters): Hurst Boiler (east) 					
3.	Emissions Unit Identificatio ID:	on Number: EU 002	[] No ID [] ID Unknown			
4.	Emissions Unit Status Code: A	5. Initial Startup Date:	6. Emissions Unit Major Group SIC Code: 24			
7.	Emissions Unit Comment: (Hurst Firebox Steam Boile	•				

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Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Hurst Multicyclone Collector (design flow rate: 6,650 cfm)

2. Control Device or Method Code(s): 076

Emissions Unit Details

1.	Package Unit: Manufacturer: Hurst Boiler Company	Model Number: FB-260-150
2.	Generator Nameplate Rating:	MW
3.	Incinerator Information:	
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity and Schedule

- 1. Maximum Heat Input Rate: 13.1 mmBtu/hr
- 2. Maximum Incineration Rate: 1,875 lbs wood waste burned per hour (1,875 lbs/hr)
- 3. Maximum Process or Throughput Rate:
- 4. Maximum Production Rate:
- 5. Requested Maximum Operating Schedule:

24 hours/day

7 days/week

52 weeks/year

8,760 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters):

Average heat input rating = 12.43 MMbtu/hr

Average process throughput = 1,775 lb wood waste/hr

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B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1.	Identification of Point on Pl Flow Diagram? Boiler No.		2. Emission Po	oint Type Code: 1			
	3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): Hurst Boiler						
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:						
5.	Discharge Type Code: V	6. Stack Heig	ht: 30-ft	7. Exit Diameter: 1.67-ft			
8.	Exit Temperature: 450°F	9. Actual Vol Rate: 6,650	umetric Flow acfm	10. Water Vapor: 14 %			
11.	11. Maximum Dry Standard Flow Rate: 2,900 dscfm 12. Nonstack Emission Point Height: feet						
13.	Emission Point UTM Coord	linates:					
	Zone: 17 E	ast (km): 396.7 0	Nortl	h (km): 3158.89			
14.	Emission Point Comment (1	imit to 200 char	acters):				

	Emissions	Unit	Informa	Section	2	of	<u>6</u>	
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C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):

	External Combustion Boilers; Industrial; Wood/Bark Waste; Wood-fired Boiler – Wet Wood (>= 20% moisture)							
2.	Source Classification Cod 1-02-009-03	e (SCC):	3. SCC Units tons burn					
4.	Maximum Hourly Rate: 0.94	5. Maximum 8,212.5	Annual Rate:	6.	Estimated Annual Activity Factor:			
7.	Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit: 14			
10.	Segment Comment (limit maximum annual rate (t	(py) = (1,875 lbs)	s/hr) x (tons/2,0	000 1	bs) x (8,760 hrs/yr)			
	Maximum hourly rate (t	= 8,212.5 tp ph) = (1,875 lbs/ = 0.94 tph	•)0 lb)			
	MMbtu/SCC	_	, , ,	(ton)	x (MMbtu/10^6 btu)			
Se	gment Description and Ra	ite: Segment_	of					
1.	Segment Description (Prod	cess/Fuel Type)	(limit to 500 cl	narac	eters):			
2.	Source Classification Code	e (SCC):	3. SCC Units					
4.	Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity Factor:			
7.	Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:			
10.	Segment Comment (limit t	to 200 characters):	· 				
l								

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Emissions Unit Informa	Section	2	of <u>6</u>	
Pollutant Detail Informati	on Page	1	of 7	

Potential Emissions

1. Pollutant Emitted: CO	2. Pollutant Regulato	ory Code: NS
3. Primary Control Device 4. Secondary Code: 075 Code: 000	Control Device 5.	Total Percent Efficiency of Control:
6. Potential Emissions: 7.86 lb/hour 34.4		Synthetically Limited? [N]
8. Emission Factor: 0.6 lb/MMbtu	9.	Emissions Method Code:
Reference: AP-42, Fifth Edition, Chapter 1, Wood Residue Combustion in Boilers	Section 1.6	3
10. Calculation of Emissions (limit to 600 characteristics) Hourly CO emissions (pph) = (0.6 lb (= 7.86 pp.)	CO/MMbtu) x (13.1 M	IMbtu/hr)
	CO/MMbtu) x (13.1 N /yr) x (tons/2,000 lbs)	-
11. Pollutant Potential Emissions Comment (I	imit to 200 characters)	:
Allowable Emissions Allowable Emissions	of	
1. Basis for Allowable Emissions Code:	2. Future Effective Emissions:	ve Date of Allowable
3. Requested Allowable Emissions and Units	: 4. Equivalent All	owable Emissions:
	lb/ho	our tons/year
5. Method of Compliance (limit to 60 charac	ters):	1
6. Allowable Emissions Comment (Desc. of	Operating Method) (lin	mit to 200 characters):

Emissions Unit Informa	Section	2	of <u>6</u>
Pollutant Detail Informatio	n Page	2	of 7

Potential Emissions

1. Pollutant Emitted: NOx 2	. Pollutant Regulatory Code: NS
3. Primary Control Device Code: 075 4. Secondary Code: 000	ontrol Device 5. Total Percent Efficiency of Control:
6. Potential Emissions:	7. Synthetically Limited?
2.88 lb/hour 12.6	tons/year [N]
8. Emission Factor: 0.22 lb/MMbtu	9. Emissions Method Code:
Reference: AP-42, Fifth Edition, Chapter 1, Se	ection 1.6
Wood Residue Combustion in Boilers	
10. Calculation of Emissions (limit to 600 chara-	cters):
(
Hourly NOx emissions (pph) = (0.22 lb N)	Ox/MMbtu) x (13.1 MMbtu/hr)
= 2.88 pph	· .
	0.000.
Annual NOx emissions (tpy) = (0.22 lb No	
(8,760 firs/y) = 12.6 tpy	r) x (tons/2,000 lbs)
11. Pollutant Potential Emissions Comment (lim	it to 200 characters):
,	
<u> </u>	
Allowable Emissions Allowable Emissions	of
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable
	Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 character	rs):
•	
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):
	3

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Emissions Unit Informat	Section	2	of <u>_6</u>
Pollutant Detail Informatio	n Page	3	of 7

Potential Emissions

1. Pollutant Emitted: SO2	2. Pollutant Regu	latory Code: NS			
3. Primary Control Device 4. Secondary C Code: 075 Code: 000	Control Device	5. Total Percent Efficiency of Control:			
6. Potential Emissions: 0.328 lb/hour 1.43	tons/year	7. Synthetically Limited? [N]			
8. Emission Factor:		9. Emissions Method Code:			
Reference: AP-42, Fifth Edition, Chapter 1, S Wood Residue Combustion in Boilers	Section 1.6	3			
10. Calculation of Emissions (limit to 600 chara Hourly SO2 emissions (pph) = (0.025 lb = 0.328 pph	SO2/MMbtu) x	(13.1 MMbtu/hr)			
Annual SO2 emissions (tpy) = (0.025 lb SO2/MMbtu) x (13.1 MMbtu/hr) x (8,760 hrs/yr) x (tons/2,000 lbs) = 1.43 tpy					
11. Pollutant Potential Emissions Comment (limit to 200 characters):					
Allowable Emissions Allowable Emissions	of				
1. Basis for Allowable Emissions Code:	2. Future Effe Emissions:	ective Date of Allowable			
3. Requested Allowable Emissions and Units:	4. Equivalent	Allowable Emissions:			
	11	o/hour tons/year			
5. Method of Compliance (limit to 60 characters):					
6. Allowable Emissions Comment (Desc. of O	perating incured	(mint to 200 characters).			

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Emissions Unit Informa	1 Section	_2	of <u>_6</u>	
Pollutant Detail Informat	tion Page	4	of 7	

Potential Emissions

1. Pollutant Emitted: PM	2. Pollutant Reg	ulatory Code: NS		
3. Primary Control Device 4. Secondary Code: 075 Code: 000				
6. Potential Emissions: 4.59 lb/hour 2	20.1 tons/year	7. Synthetically Limited? [N]		
8. Emission Factor:		9. Emissions Method Code:		
Reference: AP-42, Fifth Edition, Chapter 1, Wood Residue Combustion in Boilers	Section 1.6	3		
10. Calculation of Emissions (limit to 600 cha Hourly PM emissions (pph) = (0.35 lb = 4.59 pph	PM/MMbtu) x (1	13.1 MMbtu/hr)		
Annual PM emissions (tpy) = (0.35 lb PM/MMbtu) x (13.1 MMbtu/hr) x (8,760 hrs/yr) x (tons/2,000 lbs) = 20.1 tpy				
11. Pollutant Potential Emissions Comment (limit to 200 characters):				
Allowable Emissions Allowable Emissions	of	•		
1. Basis for Allowable Emissions Code:	2. Future Eff Emissions	ective Date of Allowable:		
3. Requested Allowable Emissions and Units	: 4. Equivalen	t Allowable Emissions:		
	1	lb/hour tons/year		
5. Method of Compliance (limit to 60 characters):				
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				

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Emissions Unit Informa	1 Section	2	of <u>_6</u>	
Pollutant Detail Informati	ion Page	5	of 7	

Potential Emissions

1. Pollutant Emitted: PM10	2. Pollutant Regulatory Code: NS
3. Primary Control Device Code: 075 4. Secondary Code: 000	Control Device 5. Total Percent Efficiency of Control:
6. Potential Emissions: 4.19 lb/hour 18.4	7. Synthetically Limited?
8. Emission Factor:	tons/year [N] 9. Emissions Method Code:
Reference: AP-42, Fifth Edition, Chapter 1,	2
Wood Residue Combustion in Boilers	
10. Calculation of Emissions (limit to 600 char	· ·
Hourly PM10 emissions (pph) = (0.3) = 4.19 pp	32 lb PM10/MMbtu) x (13.1 MMbtu/hr) oh
A	DB#10/B#B#L4m> = (12.1 B#B#L4m/lom) ==
Annual PM10 emissions (tpy) = (0.32 lb) (8,760 hrs/	(yr) x (tons/2,000 lbs)
= 18.4 tpy	
11. Pollutant Potential Emissions Comment (li	mit to 200 characters):
Allowable Emissions Allowable Emissions	of
Basis for Allowable Emissions Code:	Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 charact	ers):
6. Allowable Emissions Comment (Desc. of O	Operating Method) (limit to 200 characters):
o. This waste Limissions Comment (Desc. of C	operating Prethody (mint to 200 characters).

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Emissions Unit Informa	1 Section	2	of <u>_6</u>	
Pollutant Detail Informat	ion Page	6	of 7	

Potential Emissions

1. Pollutant Emitted: VOC 2.	2. Pollutant Regulatory Code: NS			
3. Primary Control Device 4. Secondary Co Code: 075 Code: 000	ontrol Device 5. Total Percent Efficiency of Control:			
6. Potential Emissions: 0.223 lb/hour 0.97	7. Synthetically Limited? [N]			
8. Emission Factor:	9. Emissions Method Code:			
Reference: AP-42, Fifth Edition, Chapter 1, Section 1.6 Wood Residue Combustion in Boilers				
10. Calculation of Emissions (limit to 600 characters): Hourly VOC emissions (pph) = (0.017 lb VOC/MMbtu) x (13.1 MMbtu/hr) = 0.223 pph				
Annual VOC emissions (tpy) = (0.017 lb VOC/MMbtu) x (13.1 MMbtu/hr) x (8,760 hrs/yr) x (tons/2,000 lbs) = 0.975 tpy				
11. Pollutant Potential Emissions Comment (limit to 200 characters):				
Allowable Emissions of of				
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:			
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
	lb/hour tons/year			
5. Method of Compliance (limit to 60 character	rs):			
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):			

Emissions Unit Informa	Section	2	of <u>6</u>
Pollutant Detail Informati	on Page	7	of 7

Potential Emissions

1. Pollutant Emitted: Pb 2. Po		. Pollutant Regu	latory Code: NS	
3. Primary Control Device 4. Code: 075	Secondary Co Code: 000	ontrol Device	5. Total Percent of Control:	Efficiency
6. Potential Emissions: 6.29E-4 lb/hour	2.75E-3 tons/		7. Synthetically [N]	Limited?
8. Emission Factor:	-	9	9. Emissions Me	thod Code:
Reference: AP-42, Fifth Edition, Chapter 1, Section 1.6 Wood Residue Combustion in Boilers				
10. Calculation of Emissions (limit to 600 characters): Hourly Pb emissions (pph) = (4.8E-5 lb Pb/MMbtu) x (13.1 MMbtu/hr) = 6.29E-4 pph				
Annual Pb emissions (tpy)	`	r) x (tons/2,000 l	13.1 MMbtu/hr) lbs)	x
11. Pollutant Potential Emissions Comment (limit to 200 characters):				
Allowable Emissions Allowable	Allowable Emissions of			
1. Basis for Allowable Emission	ns Code:	2. Future Effective Emissions:	ctive Date of Allo	owable
3. Requested Allowable Emission	ons and Units:	4. Equivalent	Allowable Emissi	ons:
		1b	/hour	tons/year
5. Method of Compliance (limit to 60 characters):				
6. Allowable Emissions Comme	ent (Desc. of Op	perating Method)	(limit to 200 char	racters):

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Emissions	Unit Informat	Section 2	
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E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

of 6

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation1 of _1		
1.	Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity:
		[X] Rule [] Other
3.	1 1 2	1.07 1111 40.07
	4	mal Conditions: 40 %
	Maximum Period of Excess Opacity Allowe	ved: 2 mm/nour
4.	Method of Compliance: Method 9	
5.	Visible Emissions Comment (limit to 200 c	characters):
	`	
		•
	•	
F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring) Continuous Monitoring System: Continuous Monitor of		
1.	Parameter Code:	2. Pollutant(s):
3.	CMS Requirement:	[] Rule [] Other
4.	Monitor Information:	
	Manufacturer:	0.1127
	Model Number:	Serial Number:
5.	Installation Date:	6. Performance Specification Test Date:
7.	Continuous Monitor Comment (limit to 200	0 characters):
1		

Emissions	Unit Informat	Section	2	of 6	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
2.	Fuel Analysis or Specification				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
3.	Detailed Description of Control Equipment				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
4.	Description of Stack Sampling Facilities				
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested				
5.	Compliance Test Report				
	[] Attached, Document ID:				
	[] Previously submitted, Date:				
	[X] Not Applicable				
6.	Procedures for Startup and Shutdown				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
7.	Operation and Maintenance Plan				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
8.	Supplemental Information for Construction Permit Application				
	[] Attached, Document ID: [X] Not Applicable				
9.	Other Information Required by Rule or Statute				
	[X] Attached, Document ID: 1190011 al 0805 [] Not Applicable				
10. Supplemental Requirements Comment:					
Supplemental documentation previously submitted with construction permit. The information remains unchanged.					
Document No. 1190011_a1_0805 includes the daily amount of wood burned in the boiler (in lbs) for the month of June. In addition, it includes the daily number of hours the boiler remained in operation for the month of June.					

Emissions Unit Informa Section 3 of 6	
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III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1.	Type of Emissions Unit Ad	Idressed in This Section: (Check	cone)	
[:	[X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).			
[] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.			
[-	rmation Section addresses, as a state and activities which produce to	single emissions unit, one or more fugitive emissions only.	
2.	2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Indirect-fired Lumber Drying Kiln No. 1 (northeast)			
3.	Emissions Unit Identification ID:	on Number: EU 003	[] No ID [] ID Unknown	
4.	Emissions Unit Status Code: A	5. Initial Startup Date:	6. Emissions Unit Major Group SIC Code: 24	
7.	Emissions Unit Comment: 33-ft x 85-ft 18,000 Mbf lumber per ye 300,000 cft poles per year	` ear		

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Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method):

2. Control Device or Method Code(s): 000

Emissions Unit Details

1.	Package Unit: Manufacturer:	Model Number:	
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:		
·	Dwell Temperature:	,	°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

Emissions Unit Operating Capacity and Schedule

- 1. Maximum Heat Input Rate:
- 2. Maximum Incineration Rate:

tons/day

- 3. Maximum Process or Throughput Rate:
- 4. Maximum Production Rate: 21,600 Mbf/yr
- 5. Requested Maximum Operating Schedule:

24 hours/day

7 days/week

52 weeks/year

8,760 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters):

Maximum Production (Mbf/yr)

= (18,000 Mbf lumber) + (300,000 cft poles/yr)

x 12 bf/1 cft x 1 Mbf/1,000 bf)

= 21,600 Mbf/yr

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B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1.	1. Identification of Point on Plot Plan or Flow Diagram? Kiln No. 1		2. Emission Point Type Code: 3		
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): IF Drying Kiln No. 1					
	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:				
5.	Discharge Type Code:	6. Stack Heigh	ht:	7. Exit Diameter:	
8.	Exit Temperature:	9. Actual Volu Rate:	umetric Flow	10. Water Vapor:	
11.	Maximum Dry Standard Flo	ow Rate:	12. Nonstack Er	nission Point Height: 25 feet	
13.	Emission Point UTM Coord	linates:			
	Zone: 17 E	ast (km): 396.70	Nortl	h (km): 3158.89	
14. Emission Point Comment (limit to 200 characters):					

Emissions	Unit Informat	Continu
EHHSSIONS	Unit informat	Section

Section 3 of 6

C. SEGMENT (PROCESS/FUEL) INFORMATION

1. Segment Description (Process/Fuel Type) (limit to 500 characters):
Pulp and paper and wood products: sawmill operations: others not classified, kiln drying of lumber

- 2. Source Classification Code (SCC):

 3. SCC Units:

 Thousand board feet (Mbf)

 4. Maximum Hourly Rate:

 21,600 Mbf

 5. Maximum Annual Rate:
 21,600 Mbf

 6. Estimated Annual Activity
 Factor:

 7. Maximum % Sulfur:

 8. Maximum % Ash:

 9. Million Btu per SCC Unit:
- 10. Segment Comment (limit to 200 characters):
 conversion from cubic feet of poles to board feet: 1cft poles = 12 bd ft

Segment Description and Rate: Segment 1 of 1

Maximum Production (Mbf/yr) = (18,000 Mbf lumber) + (300,000 cft poles/yrx 12 bf/1 cft x 1 Mbf/1,000 bf) = 21,600 Mbf/yr

Segment Description and Rate: Segment _____ of ____

- 1. Segment Description (Process/Fuel Type) (limit to 500 characters):
- 2. Source Classification Code (SCC): 3. SCC Units:
- 4. Maximum Hourly Rate:
 5. Maximum Annual Rate:
 6. Estimated Annual Activity Factor:
 7. Maximum % Sulfur:
 8. Maximum % Ash:
 9. Million Btu per SCC Unit:
- 10. Segment Comment (limit to 200 characters):

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Emissions Unit Informa	Section	3	of <u>6</u>	
Pollutant Detail Information	n Page	<u>1</u>	of 3	

Potential Emissions

1. Pollutant Emitted: VOC 2. Pollutant R			Legulatory Code: NS			
3.	Primary Control Device Code: 000	4. Secondary Code: 000	Control Device	5. Total Percent Efficiency of Control:		
6.	Potential Emissions: lb/h	our	37.8 tons/year	7. Synthetically Limited? [N]		
8.	Emission Factor: 3.5 lb V	OC/Mbf		9. Emissions Method Code:		
Reference: NCASI Technical Bulletin No. 845			5			
10.	10. Calculation of Emissions (limit to 600 characters): Annual VOC emissions (tpy) = (3.5 lb VOC/Mbf) x (21,600 Mbf/yr) x (ton/2,000 lb) = 37.8 tpy					
11.	11. Pollutant Potential Emissions Comment (limit to 200 characters):					
All	lowable Emissions Allowa	able Emissions	of	<u> </u>		
1.	Basis for Allowable Emiss	sions Code:	2. Future Emission	Effective Date of Allowable ons:		
3.	Requested Allowable Emi	ssions and Units	s: 4. Equiva	ent Allowable Emissions:		
				lb/hour tons/year		
5.	Method of Compliance (lin	mit to 60 charac	ters):			
6.	Allowable Emissions Com	nment (Desc. of	Operating Met	nod) (limit to 200 characters):		

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Emissions Unit Informa	1 Section	3	of <u>6</u>	_
Pollutant Detail Informat	ion Page	2	of 3	

Potential Emissions

Pollutant Emitted: H095				
3. Primary Control Device 4. Secondary Co Code: 000 Code: 000	ontrol Device 5. Total Percent Efficiency of Control:			
6. Potential Emissions: lb/hour 0.1	7. Synthetically Limited? [N]			
8. Emission Factor: 0.016 lb H095/Mbf Reference: NCASI Technical Bulletin	No. 845 9. Emissions Method Code: 5			
10. Calculation of Emissions (limit to 600 characters): Annual H095 emissions (tpy) = (0.016 lb H095/Mbf) x (21,600 Mbf/yr) x (ton/2,000 lb) = 0.173 tpy				
11. Pollutant Potential Emissions Comment (limit to 200 characters):				
Allowable Emissions Allowable Emissions	of			
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:			
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
	lb/hour tons/year			
5. Method of Compliance (limit to 60 characters):				
6. Allowable Emissions Comment (Desc. of Op	erating Method) (limit to 200 characters):			

Emissions Unit Informa	Section	3	of <u>6</u>
Pollutant Detail Informati	on Page	3	of 3

Potential Emissions

1. Pollutant Emitted: H115 2	. Pollutant Regulatory Code: NS
3. Primary Control Device 4. Secondary Co Code: 000 Code: 000	ontrol Device 5. Total Percent Efficiency of Control:
6. Potential Emissions: lb/hour 2.16 to	7. Synthetically Limited? ns/year [N]
8. Emission Factor: 0.20 lb H115/Mbf	9. Emissions Method Code:
Reference: NCASI Technical Bulletin	No. 845 5
10. Calculation of Emissions (limit to 600 charae Annual H115 emissions (tpy) = (0.20 lb x (ton/2,00 = 2.16 tpy	H115/Mbf) x (21,600 Mbf/yr)
11. Pollutant Potential Emissions Comment (lim	it to 200 characters):
Allowable Emissions	of
1. Basis for Allowable Emissions Code:	Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 character	s):
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):

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Emissions	Unit Informa	Sect
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Section	3	٥f	6
Section	3	01	0

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation of _____ 1. Visible Emissions Subtype: 2. Basis for Allowable Opacity: 1 Rule 1 Other 3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: 4. Method of Compliance: 5. Visible Emissions Comment (limit to 200 characters): F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring) Continuous Monitoring System: Continuous Monitor of 1. Parameter Code: 2. Pollutant(s): 3. CMS Requirement: [] Rule [] Other 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters):

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Emissions	Unit In	format	Section	3	of	6

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
2.	Fuel Analysis or Specification				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
3.	Detailed Description of Control Equipment				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
4.	Description of Stack Sampling Facilities				
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested				
5.	Compliance Test Report				
	[] Attached, Document ID:				
	[] Previously submitted, Date:				
	[X] Not Applicable				
6.	Procedures for Startup and Shutdown				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
7.	Operation and Maintenance Plan				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
8.	Supplemental Information for Construction Permit Application				
	[] Attached, Document ID: [X] Not Applicable				
9.	Other Information Required by Rule or Statute				
	[X] Attached, Document ID: 1190011 at 0805 [] Not Applicable				
10. Supplemental Requirements Comment:					
Supplemental documentation previously submitted with construction permit. The information remains unchanged.					
	Document No. 1190011_a1_0805 includes the daily amount of lumber or poles dried in				
	the kiln (in Mbf) for the month of June. In addition, it includes the total number of				
lun	nber/poles (in Mbf) dried in the kiln for the most recent 12 months.				

Emissions Unit Informa	Section 4	of	6
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III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

Type of Emissions Unit Add	lressed in This Section: (Check	one)		
X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).				
process or production unit	s and activities which has at leas	• • •		
-		•		
2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Indirect-fired Lumber Drying Kiln No. 2 (southwest)				
Emissions Unit Identification ID:	n Number: EU 004	[] No ID [] ID Unknown		
Emissions Unit Status Code: C	5. Initial Startup Date: January 10, 2005	6. Emissions Unit Major Group SIC Code: 24		
32-ft x 54-ft	,			
_	This Emissions Unit Information process or production unit which has at least one defit. This Emissions Unit Information process or production unit (stack or vent) but may also this Emissions Unit Information process or production unit. Description of Emissions Unit Indirect-fired Lumber Dry Emissions Unit Identification ID: Emissions Unit Status Code: C Emissions Unit Comment: (132-ft x 54-ft)	process or production unit, or activity, which produces one which has at least one definable emission point (stack or version which has at least one definable emission point (stack or version). This Emissions Unit Information Section addresses, as a singular process or production units and activities which has at least (stack or vent) but may also produce fugitive emissions. This Emissions Unit Information Section addresses, as a singular process or production units and activities which produce for Description of Emissions Unit Addressed in This Section (lingular lingular lingula		

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Emissions Unit Control Equipment

1.	. Control Equipment/Method Description (limit to 200 characters per device or method):				
	·				
	0 - 10 - 16 1 10 1 () 000				
2.	Control Device or Method Code(s): 000				

Emissions Unit Details

1.	Package Unit:		
	Manufacturer:	Model Number:	
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:		
	Dwell Temperature:	°F	
	Dwell Time:	seconds	1
	Incinerator Afterburner Temperature:		

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	· · · · · · · · · · · · · · · · · · ·
2.	Maximum Incineration Rate:	tons/day
3.	Maximum Process or Throughput Rate:	
4.	Maximum Production Rate: 24,000 Mbf	
5.	Requested Maximum Operating Schedule:	
	24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year
6.	Operating Capacity/Schedule Comment (limit to 200 characters):	

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B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1.	Identification of Point on Pl Flow Diagram? Kiln No. 2			sion Point Type Code: 3		
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): IF Drying Kiln No. 2						
4.	ID Numbers or Descriptions	s of Emission Ui	nits with this Emi			
5.	Discharge Type Code:	6. Stack Heig	ht:	7. Exit Diameter:		
8.	Exit Temperature:	9. Actual Volumetric Flow Rate:		10. Water Vapor:		
11	. Maximum Dry Standard Flo	ow Rate:	12. Nonstack En	nission Point Height: 28 feet		
13	. Emission Point UTM Coord	linates:	1			
	Zone: 17	ast (km): 396.70	Nort	h (km): 3158.89		
14	Emission Point Comment (I			•		

Emissions	Unit Informat	Section	4	of 6	
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C. SEGMENT (PROCESS/FUEL) INFORMATION

Se	Segment Description and Rate: Segment 1 of 1				
1.	 Segment Description (Process/Fuel Type) (limit to 500 characters): Pulp and paper and wood products: sawmill operations: others not classified, kiln drying of lumber 				
2.	Source Classification Code 3-07-008-098	e (SCC):	3. SCC Units Thousand		ard feet (Mbf)
4.	Maximum Hourly Rate:	5. Maximum 2 24,000	Annual Rate:	7	Estimated Annual Activity Factor:
7.	Maximum % Sulfur:	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit:
10.	. Segment Comment (limit t	to 200 characters):		
Se	gment Description and Ra		of		
1.					oters).
	1. Segment Description (Process/Fuel Type) (limit to 500 characters):				
2.	Source Classification Code	∋ (SCC):	3. SCC Units	:	
4.	Maximum Hourly Rate:	5. Maximum A	Annual Rate:	6.	Estimated Annual Activity Factor:
7.	Maximum % Sulfur:	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit:
10.	10. Segment Comment (limit to 200 characters):				

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Emissions Unit Informa	Section	4	of <u>6</u>
Pollutant Detail Informati	on Page	1	of 3

Potential Emissions

1. Pollutant Emitted: VOC	2. Pollutant Regulatory Code: NS
3. Primary Control Device 4. Second Code: 000 Code:	lary Control Device 5. Total Percent Efficiency of Control:
6. Potential Emissions:	7. Synthetically Limited?
lb/hour	42.0 tons/year [N]
8. Emission Factor: 3.5 lb VOC/Mbf	9. Emissions Method Code: 5
Reference: NCASI Technical B	ulletin No. 845
1	.5 lb VOC/Mbf) x (24,000 Mbf/yr) x (ton/2,000 lb)
Allowable Emissions Allowable Emission	ons of
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and U	Jnits: 4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 ch6. Allowable Emissions Comment (Desc	aracters): . of Operating Method) (limit to 200 characters):

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Emissions Unit Informat.	. Section	4	of <u>6</u>
Pollutant Detail Informatio	n Page	2	of 3

Potential Emissions

,	<u> </u>			
1. Pollutant Emitted: H095	. Pollutant Regulatory Code: NS			
3. Primary Control Device 4. Secondary Code: 000 Code: 000	ontrol Device 5. Total Percent Efficiency of Control:			
6. Potential Emissions:	7. Synthetically Limited?			
	92 tons/year [N]			
8. Emission Factor: 0.016 lb H095/Mbf	9. Emissions Method Code:			
Reference: NCASI Technical Bulletin	No. 845 5			
10. Calculation of Emissions (limit to 600 characters): Annual H095 emissions (tpy) = (0.016 lb H095/Mbf) x (24,000 Mbf/yr) x (ton/2,000 lb) = 0.192 tpy				
11. Pollutant Potential Emissions Comment (lim	000 1			
	·			
Allowable Emissions	of			
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:			
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
	lb/hour tons/year			
5. Method of Compliance (limit to 60 character	rs):			
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):			

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Emissions Unit Informa	Section	4	of <u>6</u>
Pollutant Detail Informati	on Page	3	of 3

Potential Emissions

1.	Pollutant Emitted: H115		2. Po	llutant Regula	egulatory Code: NS		
3.	Primary Control Device Code: 000	4. Secondar Code: 00		l Device 5.	Total Percent of Control:	Efficiency	
6.	Potential Emissions:			7.	Synthetically	Limited?	
		nour 2.4	0 tons/y		[N]	·	
8.	Emission Factor: 0.20 lb I	· · · · · · · · · · · · · · · · · · ·		9.	<u> </u>	thod Code:	
0.	Reference: NCASI		etin No.		5		
10	Calculation of Emissions	(limit to 600 cl	aracters).			
10.	10. Calculation of Emissions (limit to 600 characters): Annual H115 emissions (tpy) = (0.20 lb H115/Mbf) x (24,000 Mbf/yr) x (ton/2,000 lb) = 2.40 tpy						
11. Pollutant Potential Emissions Comment (limit to 200 characters):			s):				
All	owable Emissions Allowa	able Emissions		of			
1.	Basis for Allowable Emiss	sions Code:	2.	Future Effect Emissions:	tive Date of Allo	owable	
3.	Requested Allowable Emi	ssions and Uni	ts: 4.	Equivalent A	llowable Emissi	ions:	
	•			1b/1	hour	tons/year	
5.	Method of Compliance (lin	mit to 60 chara	cters):				
6.	Allowable Emissions Com	ment (Desc. o	f Operati	ng Method) (limit to 200 char	racters):	

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E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation of 1. Visible Emissions Subtype: 2. Basis for Allowable Opacity: Rule 1 Other 3. Requested Allowable Opacity: Normal Conditions: **Exceptional Conditions:** Maximum Period of Excess Opacity Allowed: 4. Method of Compliance: 5. Visible Emissions Comment (limit to 200 characters): F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring) Continuous Monitoring System: Continuous Monitor of 1. Parameter Code: 2. Pollutant(s): 3. CMS Requirement: [] Rule] Other 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters):

Emissions	Unit Informat	Section 4	of 6

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram			
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
2.	Fuel Analysis or Specification			
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
3.	Detailed Description of Control Equipment			
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
4.	Description of Stack Sampling Facilities			
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested			
5.	Compliance Test Report			
	[] Attached, Document ID:			
	[] Previously submitted, Date:			
	[X] Not Applicable			
6.	Procedures for Startup and Shutdown			
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
7.	Operation and Maintenance Plan			
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
8.	Supplemental Information for Construction Permit Application			
	[] Attached, Document ID: [X] Not Applicable			
9.	Other Information Required by Rule or Statute			
	[X] Attached, Document ID: 1190011 a1 0805 [] Not Applicable			
10.	Supplemental Requirements Comment:			
Supplemental documentation previously submitted with construction permit. The information remains unchanged.				
Document No. 1190011_a1_0805 includes the daily amount of lumber or poles dried in the kiln (in Mbf) for the month of June. In addition, it includes the total number of lumber/poles (in Mbf) dried in the kiln for the most recent 12 months.				

Emissions	Unit	Informat	Section	5	of	6

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1.	1. Type of Emissions Unit Addressed in This Section: (Check one)					
[X	[X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).					
[process or production unit	rmation Section addresses, as a single ts and activities which has at least so produce fugitive emissions.				
[-	rmation Section addresses, as a sints and activities which produce fu	_			
2.	. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Sawdust Storage Silo					
3.	Emissions Unit Identification Number: EU 005 [] No ID [] ID Unknown					
4.	Emissions Unit Status Code: A	5. Initial Startup Date:	6. Emissions Unit Major Group SIC Code: 24			
7.	Emissions Unit Comment: (Limit to 500 Characters)				
	6-ft diameter, 24-ft height Sits atop the boilers' wood waste fuel storage silo					

Emissions Unit Control Equipment

1.	Control Equipment/Method Description (limit to 200 characters per device or method):
	\cdot

2. Control Device or Method Code(s): 075

Emissions Unit Details

1.	Package Unit:		
	Manufacturer:	Model Number:	
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:		
	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

Emissions Unit Operating Capacity and Schedule

- Maximum Heat Input Rate:
 Maximum Incineration Rate: 22.5 tpd, 0.9375 tph sawdust used at the Boiler
 Maximum Process or Throughput Rate:
 Maximum Production Rate: 110 Mbf processed at the Sawmill
 Requested Maximum Operating Schedule:
 24 hours/day
 7 days/week
 weeks/year
 8,760 hours/year
- 6. Operating Capacity/Schedule Comment (limit to 200 characters):

According to actual production records for June, the Boiler requires a maximum of 45,000 lbs of sawdust per day (22.5tpd). The Sawmill is known to process a maximum of 110 Mbf per day while sawdust is being fed to the Boiler Storage Silo. The conversion factor from board feet processed to sawdust generated is calculated to be:

 $(22.5 \text{ tons/day}) \times (\text{day/110 Mbf}) = 0.2 \text{ tons/Mbf}$

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1.	i i i i i i i i i i i i i i i i i i i		2. Emission Po	oint Type Code: 1	
	Flow Diagram? Boiler Silo Cyclone				
3.	Descriptions of Emission Po	oints Comprising	g this Emissions U	Jnit for VE Tracking (1	imit to
	100 characters per point): B	oiler Silo Cyclo	ne		
	•				
-					
4.	ID Numbers or Descriptions	s of Emission U	nits with this Emi	ssion Point in Common	1:
5.	Discharge Type Code:	6. Stack Heig	ht:	7. Exit Diameter:	
	· · · · · · · · · · · · · · · · · · ·				_
8.	Exit Temperature:		umetric Flow	10. Water Vapor:	
		Rate:			
11	Maximum Dry Standard Flo	ow Rate:	12. Nonstack Emission Point Height:		
	·			=	feet
12	Emission Point UTM Coord	lingtog	L		
13.					
	Zone: 17 E	ast (km): 396.7 0	Nortl	h (km): 3158.89	
14	Emission Point Comment (1	imit to 200 char	acters):		
ŀ					

Emissions Unit Informa	Section	5	of (6
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C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description	and Rate:	Segment 1	of <u>1</u>

1					
1.	Segment Description (Process/Fuel Type) (limit to 500 characters): Pulp and paper and wood products: sawmill operations: other cyclones: exhaust				
	and paper and woo	u products . suv	viiiiii opei ation	3 . 0	ther cyclones . canadst
2.	Source Classification Code	e (SCC):	3. SCC Units	:	
	3-07-008-08		hours equ	ipm	ent operated
4.	Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity
	,	8,760			Factor:
7	Maximum % Sulfur:	8. Maximum	0/ A ah.	9.	Million Btu per SCC Unit:
/.	Maximum 70 Sunur.	o. Maxilliulli	/0 ASII.	٦٠.	winnon But per SCC Omt.
10					
10.	Segment Comment (limit	to 200 characters	s):		
Se	amout Description and De				
	gment Description and Ra	ite: Segment	of		
1.	Segment Description (Proc			 narao	eters):
1.	· · · · · · · · · · · · · · · · · · ·			narac	eters):
1.	· · · · · · · · · · · · · · · · · · ·			narao	eters):
1.	· · · · · · · · · · · · · · · · · · ·			narao	eters):
1.	· · · · · · · · · · · · · · · · · · ·			narac	eters):
1.	· · · · · · · · · · · · · · · · · · ·			narao	eters):
1.	· · · · · · · · · · · · · · · · · · ·			narac	eters):
1.	Segment Description (Prod	cess/Fuel Type)	(limit to 500 ch		eters):
1.	· · · · · · · · · · · · · · · · · · ·	cess/Fuel Type)			eters):
2.	Segment Description (Proc Source Classification Code	cess/Fuel Type)	(limit to 500 ch	:	
1.	Segment Description (Prod	cess/Fuel Type)	(limit to 500 ch	:	Estimated Annual Activity
2.	Segment Description (Proc Source Classification Code	cess/Fuel Type)	(limit to 500 ch	:	
2.	Segment Description (Prod Source Classification Code Maximum Hourly Rate:	e (SCC): 5. Maximum A	(limit to 500 ch	6.	Estimated Annual Activity Factor:
2.	Segment Description (Proc Source Classification Code	cess/Fuel Type)	(limit to 500 ch	:	Estimated Annual Activity
 2. 4. 7. 	Segment Description (Prod Source Classification Code Maximum Hourly Rate: Maximum % Sulfur:	e (SCC): 5. Maximum 2 8. Maximum 9	(limit to 500 change) 3. SCC Units Annual Rate:	6.	Estimated Annual Activity Factor:
 2. 4. 7. 	Segment Description (Prod Source Classification Code Maximum Hourly Rate:	e (SCC): 5. Maximum 2 8. Maximum 9	(limit to 500 change) 3. SCC Units Annual Rate:	6.	Estimated Annual Activity Factor:
 2. 4. 7. 	Segment Description (Prod Source Classification Code Maximum Hourly Rate: Maximum % Sulfur:	e (SCC): 5. Maximum 2 8. Maximum 9	(limit to 500 change) 3. SCC Units Annual Rate:	6.	Estimated Annual Activity Factor:
 2. 4. 7. 	Segment Description (Prod Source Classification Code Maximum Hourly Rate: Maximum % Sulfur:	e (SCC): 5. Maximum 2 8. Maximum 9	(limit to 500 change) 3. SCC Units Annual Rate:	6.	Estimated Annual Activity Factor:
 2. 4. 7. 	Segment Description (Prod Source Classification Code Maximum Hourly Rate: Maximum % Sulfur:	e (SCC): 5. Maximum 2 8. Maximum 9	(limit to 500 change) 3. SCC Units Annual Rate:	6.	Estimated Annual Activity Factor:
 2. 4. 7. 	Segment Description (Prod Source Classification Code Maximum Hourly Rate: Maximum % Sulfur:	e (SCC): 5. Maximum 2 8. Maximum 9	(limit to 500 change) 3. SCC Units Annual Rate:	6.	Estimated Annual Activity Factor:

Emissions Unit Information Section	_5	of <u>6</u>	
Pollutant Detail Information Page	1	of 1	

Potential Emissions

1. Pollutant Emitted: PM	2. Pollutant Regulatory Code: NS
3. Primary Control Device 4. Secondary Code: 075 Code: 000	Control Device 5. Total Percent Efficiency of Control:
6. Potential Emissions:	7. Synthetically Limited?
4.0 lb/hour	8.8 tons/year [N]
8. Emission Factor: 2.0 lb PM/hr	9. Emissions Method Code:
Reference: AP-42, Fourth Edition, Chap	otor-10 Section 3
10.4 Woodworking Waste Collection O	
10.4 Woodworking Waste Conceilon O	perations
10 C 1 1 1 C C C C C C C C C C C C C C C	
10. Calculation of Emissions (limit to 600 cha	aracters):
Hourly emissions (lbs/hr) = (2.0 lb/hr)	v (1 cyclone)
= 2.0 lb/hr	a (1 cyclone)
) x (8,760 hrs/yr) x (1 cyclone) x (ton/2,000 lb)
= 8.8 tpy)
1.0	
11. Pollutant Potential Emissions Comment (l	limit to 200 characters):
11.1 onutant i otentiai Ennissions Comment (mint to 200 characters).
	_
Allowable Emissions Allowable Emissions	of
1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable
	Emissions:
3. Requested Allowable Emissions and Unit	s: 4. Equivalent Allowable Emissions:
	lb/hour tons/year
5. Method of Compliance (limit to 60 charac	eters):
- '	·
6. Allowable Emissions Comment (Desc. of	Operating Method) (limit to 200 characters):
or I more Emissions Comment (Bose, or	of comments with the pass of the passes of t

Emissions	Unit Informat	Section	5	of	6

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emiss	ions Limitation of
1. Visible Emissions Subtype:	2. Basis for Allowable Opacity:
	[] Rule [] Other
3. Requested Allowable Opacity:	
·	nal Conditions:
Maximum Period of Excess Opacity Allow	ed:
4 14 1 66 1	<u> </u>
4. Method of Compliance:	
5. Visible Emissions Comment (limit to 200 c	haracters):
·	·
F. CONTINUOUS MC	ONITOR INFORMATION
	ect to Continuous Monitoring)
Continuous Monitoring System: Continuous	
1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[] Rule [] Other
4. Monitor Information:	
Manufacturer:	
Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200	characters):
·	

Emissions	Unit Informa	Section 5	of 6
T.1112210112	Umit imidi ma	1 Decuon 3	ע עט

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram [] Attached, Document ID: [] Not Applicable [X] Waiver Requested
	[] The transfer of the transf
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] Not Applicable
6.	Procedures for Startup and Shutdown
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[] Attached, Document ID: [X] Not Applicable
0	Other Information Required by Rule or Statute
9.	[X] Attached, Document ID: 1190011 a1 0805 [] Not Applicable
!	[] Not Applicable
10.	Supplemental Requirements Comment:
	pplemental documentation previously submitted with construction permit. The
inf	ormation remains unchanged.
n.	
	cument No. 1190011_a1_0805 includes the daily amount of wood processed in the vmill (in Mbf) for the month of June. In addition, it includes the total daily hours
	en the sawdust silo was filled for the month of June, and the daily average filling rate
	the sawdust.

Emissions Unit Informat		Section	_5	of	6	
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III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

						
1.	Type of Emissions Unit Ado	dressed in This Section: (Check	one)			
[X	[X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).					
[process or production unit	mation Section addresses, as a si as and activities which has at leas so produce fugitive emissions.				
[_	mation Section addresses, as a si is and activities which produce fu	ingle emissions unit, one or more agitive emissions only.			
2.	2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Planer Shavings Storage Bin					
3.	Emissions Unit Identification ID:	on Number: EU 006	[] No ID [] ID Unknown			
4.	Emissions Unit Status Code: A	5. Initial Startup Date:	6. Emissions Unit Major Group SIC Code: 24			
7.	Emissions Unit Comment: (Limit to 500 Characters)				
	Planer Shavings Bin Cyclo 8-ft diameter, 24-ft height Sits atop the shavings bin	<u>one</u>				

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method):

2. Control Device or Method Code(s): 075

Emissions Unit Details

1.	Package Unit:		
	Manufacturer:	Model Number:	
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:	······	
	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:		

2. Maximum Incineration Rate: tons/day

3. Maximum Process or Throughput Rate: 134.4 tons per day, 5.60 tons per hour

4. Maximum Production Rate:

5. Requested Maximum Operating Schedule:

24 hours/day52 weeks/year7 days/week8.760 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters):

From the records for the month of June, the Planer Mill is known to produce approximately 200 yards of shavings per storage bin. The weight of 100 yards of sawdust is 23 tons; therefore the rate of shavings produced is 56 tons per bin. The filling of the storage bin with shavings is accomplished in a 10-hour shift; therefore the filling rate is calculated as:

(56 tons/fill) * (fill/10 hours) = 5.6 tph Maximum quantity generated in a 24-hr period = (5.6 tph) * (24hrs) = 134.4 tpd

In addition, the Planer Mill is known to process 150 Mbf per day. A conversion factor from board feet processed to sawdust generated is calculated to be:

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 $(134.4 \text{ tons/day}) \times (\text{day}/150 \text{ Mbf}) = 0.896 \text{ tons/Mbf}$

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

Identification of Point on Planer Sha Cyclone		2. Emission Po	oint Type Code: 1			
3. Descriptions of Emission Po		_	Unit for VE Tracking (limit to			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:						
5. Discharge Type Code:	6. Stack Heig	ht:	7. Exit Diameter:			
8. Exit Temperature:	9. Actual Vol Rate:	umetric Flow	10. Water Vapor:			
11. Maximum Dry Standard Flow Rate: 12. Nonstack Emission Point Height: feet						
13. Emission Point UTM Coord	linates:					
Zone: 17 E	ast (km): 396.70) Nortl	h (km): 3158.89			
14. Emission Point Comment (l	imit to 200 char	acters):				

Emissions Unit Informat. Section 5 of 6	Emissions	Unit Informat.	Section	5	of 6
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C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1 1. Segment Description (Process/Fuel Type) (limit to 500 characters): Pulp and paper and wood products: sawmill operations: other cyclones: exhaust 2. Source Classification Code (SCC): 3. SCC Units: 3-07-008-08 hours equipment operated 4. Maximum Hourly Rate: 5. Maximum Annual Rate: 6. Estimated Annual Activity 8,760 Factor: 7. Maximum % Sulfur: 8. Maximum % Ash: 9. Million Btu per SCC Unit: 10. Segment Comment (limit to 200 characters): Loading rate to the silo = Segment Description and Rate: Segment of 1. Segment Description (Process/Fuel Type) (limit to 500 characters): 3. SCC Units: 2. Source Classification Code (SCC): 4. Maximum Hourly Rate: 5. Maximum Annual Rate: 6. Estimated Annual Activity Factor: 7. Maximum % Sulfur: 8. Maximum % Ash: 9. Million Btu per SCC Unit: 10. Segment Comment (limit to 200 characters):

Emissions Unit Informa	Section	6_	of <u>_6</u>
Pollutant Detail Informat	ion Page	1	of <u>1</u>

Potential Emissions

1.	Pollutant Emitted: PM	-	2. Pollutant Reg	gulatory Code: NS
3.	Primary Control Device Code: 075	4. Secondary Code: 000	Control Device	5. Total Percent Efficiency of Control:
6.	Potential Emissions: 4.0	lb/hour	8.8 tons/year	7. Synthetically Limited? [N]
8.	Emission Factor: 2.0 lb Pl	M/hr		9. Emissions Method Code:
	Reference: AP-42, Fourth 10.4 Woodworking Wast	•	3	
10.	Calculation of Emissions	(limit to 600 cha	racters):	
	Hourly emissions (lbs/hr	= (2.0 lb/hr)	x (1 cvclone)	
		= 2.0 lb/hr		
	Annual Emissions (tons/	yr) = (2.0 lb/hr) = 8.8 tpy) x (8,760 hrs/yr)	x (1 cyclones) x (ton/2,000 lb)
		о.о гру		
11.	Pollutant Potential Emissi	ons Comment (l	imit to 200 charac	ters):
				•
	·			
All	lowable Emissions Allowa	able Emissions	of	
1.	Basis for Allowable Emiss	sions Code:	2. Future Eff Emissions	Sective Date of Allowable
3.	Requested Allowable Emi	ssions and Units	s: 4. Equivalen	t Allowable Emissions:
				lb/hour tons/year
5.	Method of Compliance (li	mit to 60 charac	ters):	
	Allowable Emissions Com	mont (Dogo of	On anotin a Mathae	1) (limit to 200 abarractors):
0.	Allowable Emissions Con	illient (Desc. of	Operating Method	d) (limit to 200 characters):
l				

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation of 1. Visible Emissions Subtype: 2. Basis for Allowable Opacity: [] Other [] Rule 3. Requested Allowable Opacity: Normal Conditions: **Exceptional Conditions:** Maximum Period of Excess Opacity Allowed: 4. Method of Compliance: 5. Visible Emissions Comment (limit to 200 characters): F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring) Continuous Monitoring System: Continuous Monitor of 1. Parameter Code: 2. Pollutant(s): 3. CMS Requirement: [] Other [] Rule 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters):

Emissions	Unit Informa	Section	6	of 6	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram			
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
2.	Fuel Analysis or Specification [] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
3.	Detailed Description of Control Equipment [] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
4.	Description of Stack Sampling Facilities [] Attached, Document ID: [X] Not Applicable [] Waiver Requested			
5.	Compliance Test Report			
	[] Attached, Document ID:			
	[] Previously submitted, Date: [X] Not Applicable			
6.	Procedures for Startup and Shutdown [] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
7.	Operation and Maintenance Plan [] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
8.	Supplemental Information for Construction Permit Application [] Attached, Document ID: [X] Not Applicable			
9.	Other Information Required by Rule or Statute [X] Attached, Document ID: 1190011 a1 0805 [] Not Applicable			
10. Supplemental Requirements Comment: Supplemental documentation previously submitted with construction permit. The information remains unchanged.				
pla wh	ocument No. 1190011_a1_0805 includes the daily amount of wood processed in the ener mill (in Mbf) for the month of June. In addition, it includes the total daily hours then the planer shavings storage bin was filled for the month of June, and the daily erage filling rate of the planer shavings.			

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ATTACHMENT

Document No. 1190011_a1_0805

Jun-05 EMISSION UNIT NO. 006 PLANER SHAVINGS STORAGE BIN

					Mbf Wood/	
_		Down	Run	Mbf Wood	Sawdust	
Day	Schd.	Time	Time	Produced	transfered to	tons/Mbf
					Bin	
06/01/05	9.00	2.00	7.00	98.303	98.303	0.373
06/02/05	8.75	0.75	8.00	78.080	78.080	0.373
06/03/05	9.00	1.00	8.00	75.200	75.200	0.373
06/04/05	0.00	0.00	0.00	0.000	0.000	0.373
06/05/05	0.00	0.00	0.00	0.000	0.000	0.373
06/06/05	9.00	1.00	8.00	63.840	63.840	0.373
06/07/05	9.00	1.00	8.00	73.513	73.513	0.373
06/08/05	9.00	0.75	8.25	75.833	75.833	0.373
06/09/05	9.00	1.75	7.25	96.988	96.988	0.373
06/10/05	9.00	1.00	8.00	91.647	91.647	0.373
06/11/05	0.00	0.00	0.00	0.000	0.000	0.373
06/12/05	0.00	0.00	0.00	0.000	0.000	0.373
06/13/05	8.50	0.50	8.00	152.094	152.094	0.373
06/14/05	0.00	0.00	0.00	0.000	0.000	0.373
06/15/05	9.00	1.00	8.00	105.216	105.216	0.373
06/16/05	9.00	1.00	8.00	87.168	87.168	0.373
06/17/05	8.00	0.75	7.25	29.696	29.696	0.373
06/18/05	8.00	0.75	7.25	45.697	45.697	0.373
06/19/05	0.00	0.00	0.00	0.000	0.000	0.373
06/20/05	9.00	0.25	8.75	89.088	89.088	0.373
06/21/05	9.00	2.00	7.00	64.800	64.800	0.373
06/22/05	9.00	2.00	7.00	101.088	101.088	0.373
06/23/05	9.00	0.50	8.50	141.625	141.625	0.373
06/24/05	8.00	2.00	6.00	76.888	76.888	0.373
06/25/05	0.00	0.00	0.00	0.000	0.000	0.373
06/26/05	0.00	0.00	0.00	0.000	0.000	0.373
06/27/05	0.00	0.00	0.00	0.000	0.000	0.373
06/28/05	0.00	0.00	0.00	0.000	0.000	0.373
06/29/05	9.00	1.00	8.00	216.447	216.447	0.373
06/30/05	10.00	0.75	9.25	148.629	148.629	0.373
Totals	177.25	21.75	155.50	1911.84	1911.84	

IIAGE B	D. **				
Tons	Daily				
sent to	Avg.Tons/Hr				
Bin	Shavings				
	sent to Bin				
36.67	5.24				
29.12	3.64				
28.05	3.51				
0.00	0.00				
0.00	0.00				
23.81	2.98				
27.42	3.43				
28.29	3.43				
36.18	4.99				
34.18	4.27				
0.00	0.00				
0.00	0.00				
56.73	7.09				
0.00	0.00				
39.25	4.91				
32.51	4.06				
11.08	1.53				
17.04	2.35				
0.00	0.00				
33.23	3.80				
24.17	3.45				
37.71	5.39				
52.83	6.21				
28.68	4.78				
0.00	0.00				
0.00	0.00				
0.00	0.00				
0.00	0.00				
80.73	10.09				
55.44	5.99				
713.12	4.02				

Jun-05

EMISSION UNIT NO. 005 SAWDUST STORAGE SILO

					Mbf Wood/	
Davi	Cabd	Down	Run	Mbf Wood	Sawdust	tono/Mbf
Day	Schd.	Time	Time	Produced	transfered to	tons/Mbf
					Silo	
06/01/05	10.00	0.80	9.20	66.148	22.049	0.542
06/02/05	10.00	1.00	9.00	78.842	26.281	0.542
06/03/05	10.00	0.50	9.50	91.551	30.517	0.542
06/04/05	0.00	0.00	0.00	0.000	0.000	0.542
06/05/05	0.00	0.00	0.00	0.000	0.000	0.542
06/06/05	10.00	1.00	9.00	97.937	32.646	0.542
06/07/05	10.00	0.00	10.00	80.305	26.768	0.542
06/08/05	10.00	1.47	8.53	69.579	23.193	0.542
06/09/05	9.00	0.50	8.50	92.258	30.753	0.542
06/10/05	9.00	0.42	8.58	81.987	27.329	0.542
06/11/05	0.00	0.00	0.00	0.000	0.000	0.542
06/12/05	0.00	0.00	0.00	0.000	0.000	0.542
06/13/05	10.00	0.50	9.50	90.315	30.105	0.542
06/14/05	9.00	0.37	8.63	72.642	24.214	0.542
06/15/05	9.00	1.42	7.58	65.761	21.920	0.542
06/16/05	8.00	0.50	7.50	78.266	26.089	0.542
06/17/05	8.00	0.51	7.49	78.122	26.041	0.542
06/18/05	0.00	0.00	0.00	0.000	0.000	0.542
06/19/05	0.00	0.00	0.00	0.000	0.000	0.542
06/20/05	10.00	0.15	9.85	108.396	36.132	0.542
06/21/05	10.00	1.22	8.78	85.507	28.502	0.542
06/22/05	10.00	0.48	9.52	99.189	33.063	0.542
06/23/05	10.00	0.34	9.66	100.883	33.628	0.542
06/24/05	10.00	1.45	8.55	85.541	28.514	0.542
06/25/05	0.00	0.00	0.00	0.000	0.000	0.542
06/26/05	0.00	0.00	0.00	0.000	0.000	0.542
06/27/05	10.00	1.16	8.84	92.973	30.991	0.542
06/28/05	10.00	0.34	9.66	100.795	33.598	0.542
06/29/05	9.00	0.20	8.80	96.741	32.247	0.542
06/30/05	8.00	0.27	7.73	87.469	29.156	0.542
Totals	209.00	14.60	194.40	1901.207	633.736	

Tons	Daily Avg. Tons/Hr
sent to	Sawdust
Silo	sent to silo
11.95	1.30
14.24	1.58
16.54	1.74
0.00	0.00
0.00	0.00
17.69	1.97
14.51	1.45
12.57	1.47
16.67	1.96
14.81	1.73
0.00	0.00
0.00	0.00
16.32	1.72
13.12	1.52
11.88	1.57
14.14	1.89
14.11	1.88
0.00	0.00
0:00	0.00
19.58	1.99
15.45	1.76
17.92	1.88
18.23	1.89
15.45	1.81
0.00	0.00
0.00	0.00
16.80	1.90
18.21	1.89
17.48	1.99
15.80	2.04
343.48	1.77

Robbins Sawmill Daily Boiler Fuel Usage Jun-05 EMMISSION UNIT NO. 002 HURST BOILER

Boiler 2		mbustible Boiler		A	uger Revolu	tions			ble Fuel Used	Daily Avg. Hourly Heat Input Rate (13.1)
Day	Schd.	Down	Run	Beginning	Ending	Total		Lbs/Hr	Lbs/day	MMBTU/hr
06/01/05	24.00	0.00	24.00	2814333	2825534	11201	4.00	1867	44,804	13.1
06/02/05	24.00	0.00	24.00	2825534	2836310	10776	4.00	1796	43,104	12.6
06/03/05	24.00	0.00	24.00	2836310	2847443	11133	4.00	1856	44,532	13.0
06/04/05	24.00	0.00	24.00	2847443	2858573	11130	4.00	1855	44,520	13.0
06/05/05	24.00	0.00	24.00	2858573	2869317	10744	4.00	1791	42,976	12.5
06/06/05	24.00	0.00	24.00	2869317	2879123	9806	4.00	1634	39,224	11.4
06/07/05	24.00	0.00	24.00	2879123	2888408	9285	4.00	1548	37,140	10.8
06/08/05	24.00	0.00	24.00	2888408	2897837	9429	4.00	1572	37,716	11.0
06/09/05	24.00	0.00	24.00	2897837	2908264	10427	4.00	1738	41,708	12.2
06/10/05	24.00	0.00	24.00	2908264	2919382	11118	4.00	1853	44,472	13.0
06/11/05	24.00	0.00	24.00	2919382	2929425	10043	4.00	1674	40,172	11.7
06/12/05	24.00	0.00	24.00	2929425	2940384	10959	4.00	1827	43,836	12.8
06/13/05	24.00	2.00	22.00	2940384	2946399	6015	4.00	1094	24,060	7.7
06/14/05	24.00	0.00	24.00	2946399	2951970	5571	4.00	929	22,284	6.5
06/15/05	24.00	0.00	24.00	2951970	2961196	9226	4.00	1538	36,904	10.8
06/16/05	24.00	0.00	24.00	2961196	2972297	11101	4.00	1850	44,404	13.0
06/17/05	24.00	0.00	24.00	2972297	2983327	11030	4.00	1838	44,120	12.9
06/18/05	24.00	0.00	24.00	2983327	2992033	8706	4.00	1451	34,824	10.2
06/19/05	24.00	0.00	24.00	2992033	2997746	5713	4.00	952	22,852	6.7
06/20/05	24.00	0.00	24.00	2997746	3007803	10057	4.00	1676	40,228	11.7
06/21/05	24.00	0.00	24.00	3007803	3018365	10562	4.00	1760	42,248	12.3
06/22/05	24.00	0.00	24.00	3018365	3025720	¹ 7355	4.00	1226	29,420	8.6
06/23/05	24.00	0.00	24.00	3025720	3036986	11266	4.00	1878	45,064	13.1
06/24/05	24.00	0.00	24.00	3036986	3041040	4054	4.00	676	16,216	4.7
06/25/05	24.00	0.00	24.00	3041040	3051855	10815	4.00	1803	43,260	12.6
06/26/05	24.00	0.00	24.00	3051855	3061468	9613	4.00	1602	38,452	11.2
06/27/05	24.00	0.00	24.00	3061468	3072468	11000	4.00	1833	44,000	12.8
06/28/05	24.00	0.00	24.00	3072468	3083667	11199	4.00	1867	44,796	13.1
06/29/05	24.00	0.00	24.00	3083667	3094786	11119	4.00	1853	44,476	13.0
06/30/05	24.00	0.00	24.00	3094786	3105988	11202	4.00	1867	44,808	13.1
Totals	720.00	2.00	718.00					1500	1,077,336	10.5

Robbins Sawmill Daily Boiler Fuel Usage
Jun-05 EMISSION UNIT NO, 001 ABCO BOILER

Boiler 1		mbustible Boiler		A	luger Revolu	utions		L	stible Fuel Ised	Daily Avg. Hourly Heat Input Rate (13.1)
Day	Schd.	Down	Run	Beginning	Ending	Total		Lbs/Hr	Lbs/day	MMBTU/hr
06/01/05	24.00	0.00	24.00	48723	56812	8089	4.00	1348	32,356	9.4
06/02/05	24.00	0.00	24.00	56812	59191	2379	4.00	397	9,516	2.8
06/03/05	24.00	0.00	24.00	59191	65752	6561	4.00	1094	26,244	7.7
06/04/05	24.00	0.00	24.00	65752	71831	6079	4.00	1013	24,316	7.1
06/05/05	24.00	0.00	24.00	71831	78196	6365	4.00	1061	25,460	7.4
06/06/05	24.00	0.00	24.00	78196	81983	3787	4.00	631	15,148	4.4
06/07/05	24.00	0.00	24.00	81983	85925	3942	4.00	657	15,768	4.6
06/08/05	24.00	0.00	24.00	85925	92362	6437	4.00	1073	25,748	7.5
06/09/05	24.00	0.00	24.00	92362	96468	4106	4.00	684	16,424	4.8
06/10/05	24.00	0.00	24.00	96468	104566	8098	4.00	1350	32,392	9.4
06/11/05	24.00	0.00	24.00	104566	110776	6210	4.00	1035	24,840	7.2
06/12/05	24.00	0.00	24.00	110776	115916	5140	4.00	857	20,560	6.0
06/13/05	24.00	0.00	24.00	115916	120935	5019	4.00	837	20,076	5.9
06/14/05	24.00	0.00	24.00	120935	128130	7195	4.00	1199	28,780	8.4
06/15/05	24.00	0.00	24.00	128130	131459	3329	4.00	555	13,316	3.9
06/16/05	24.00	0.00	24.00	131459	137711	6252	4.00	1042	25,008	7.3
06/17/05	24.00	0.00	24.00	137711	141522	3811	4.00	635	15,244	4.4
06/18/05	24.00	0.00	24.00	141522	145714	4192	4.00	699	16,768	4.9
06/19/05	24.00	0.00	24.00	145714	148628	2914	4.00	486	11,656	3.4
06/20/05	24.00	0.00	24.00	148628	150641	2013_	4.00	336	8,052	2.3
06/21/05	24.00	0.00	24.00	150641	156399	5758	4.00	960	23,032	6.7
06/22/05	24.00	0.00	24.00	156399	160329	3930	4.00	655	15,720	4.6
06/23/05	24.00	0.00	24.00	160329	165738	5409	4.00	902	21,636	6.3
06/24/05	24.00	0.00	24.00	165738	170122	_4384	4.00	731	17,536	5.1
06/25/05	24.00	0.00	24.00	170122	174152	4030	4.00	672	16,120	4.7
06/26/05	24.00	0.00	24.00	174152	181351	7199	4.00	1200	28,796	8.4
06/27/05	24.00	0.00	24.00	181351	186799	5448	4.00	908	21,792	6.4
06/28/05	24.00	0.00	24.00	186799	191911	5112	4.00	852	20,448	6.0
06/29/05	24.00	0.00	24.00	191911	197703	5792	4.00	965	23,168	6.8
06/30/05	24.00	0.00	24.00	197703	203964	6261	4.00	1044	25,044	7.3
Totals	720.00	0.00	720.00					795	572,752	5.6

KILN 1 CHARGES JUNE 2005					
06/04/05	1100	POLES		6,631.80	
		3 X 4 X 104 7,764	69,876		
06/06/05	1101	2 X 4 X 8 10,689	57,008		
		5/4 X 4 X 8 #80	1,600		
06/09/05	1102	POLES		6,529.40	
06/12/05	1103	POLES		6,932.30	
06/16/05	1104	POLES		6,690.30	
06/19/05	1105	POLES		6,293.70	
06/24/05	1106	POLES		6,744.30	
06/27/05	1107	POLES		5,788.90	
06/30/05	1108	POLES		6,971.90	
· · · · · · · · · · · · · · · · · · ·			128,484	52,582.60	

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	MILIN 2 CHAR	GES JUNE 2005	
		2X4X8 ·	32.032
		8,008	
06/02/05	2119	2X8X8	18,224
		2,028 5/4 X 6 X 8	36,456
		7,291	
08/03/05	2120	5/4 X 4 X 8	74,457
		22,397	
		5/4 X 8 X 8	39,390
		7,878	
06/05/05	2121	2 X 6 X 5 2,017	16,138
		5/4 X 4 X 8	22,277
		6,683	
08/06/05	2122	5/4 X 4 X B	57,157
		17,147	
		2X4X8	36,619
08/08/05	2123	6,866 5/4 X 6 X 8	38,010
		7,602 2 X 6 X 8	10,112
		1,284	10,112
ORIADIOE.	2124	5/4 X 4 X 8	73,263
08/10/05	2124	21,976 2×6×8	4,024
		503 3 X 4 X 104	00.000
		9,852	88,668
06/13/05	2125	2 X 6 X 6 1,523	12,184
OG 13/05	2123	5/4 X 6 X B	60,440
		12,088	31,877
		5/4 X 4 X 8 9,583	
	2126	2X4X8	65,099
08/14/05		12,208 5/4 X 8 X 8	2,995
•		599 5/4 X 4 X 8	22,260
		6,676	
08/18/05	2127	2 X 4 X 8 12,264	85,408
		5/4 X 4 X 8	25,410
		7,623	***************************************
06/19/05	2128	8×6×8	94,848
		3,952	
······································	7 7777	6X6X8	13,632
06/20/05	2129	558 2 X 6 X 8	19,988
~~£WW	E 14U	2,498	
		2 X 4 X 8 11,636	62,059
, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		5/4 X 4 X 8	11,163
08/23/05	2130	3,349 5/4 X 8 X 8	26,580
		5,116	•
		2 X 4 X 8 9,193	49,029
		2 X 6 X 8	60,400
06/24/05	2131	7,550 5/4 X 4 X 8	6,357
ं राज्या राज्यां र	B 191	1,907	-
		5/4 X 6 X 8 3,927	19,635
enene .			
8/25/05	2132	2 X 4 X 8 18,095	96,507
			44.4.4
6/27/05	2133	2 X 4 X 8 9,177	48,944
	, .	2X8X8	49,064
	·	6,133 5/4 X 4 X 8	74,843
6/28/05	2134	22,453	
		5/4 X 6 X 8 304	1,520
6/29/05	2135	2×4×8	48,480
	2100	9,090 2 x 6 x 8	48,680
		6,085	1,501,194