

#### Georgia-Pacific Wood Products LLC

Jugh-Ann

Georgia-Pacific Hosford OSB 12995 Highway 65 North Hosford, FL 32334

Telephone: (850) 379-4000

Module AcoiT

Certified Mail-Return Receipt Requested #7010 2780 0002 4133 2396

January 30, 2013

Mr. Jeff Koerner Florida Department of Environmental Protection Division of Air Resources Management 2600 Blair Stone Road, MS #5505 Tallahassee, Florida 32399-2400 Proxet # 0770010-016-A

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DIVISION OF AIR RESOURCE MANAGEMENT

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RE:

Georgia-Pacific Wood Products LLC - Hosford, FL OSB

**Facility ID: 0770010** 

Air Construction/PSD Permit Number: 0770010-002-AC (PSD-FL-282A)

**Permit Modification Requests:** 

- 1) Reduction in Baghouse Visible Emissions Observation Frequency
- 2) Reduction in Emissions Tests Frequency

Dear Mr. Koerner:

Georgia-Pacific Wood Products LLC (GP) is respectfully requesting a modification to Air Construction/Prevention of Significant Deterioration (PSD) Permit No. 0770010-002-AC (PSD-FL-282A) permit conditions Section III.C.6 and 7, and in Technical Evaluation and Best Available Control Technology (BACT)/Maximum Achievable Control Technology (MACT) Determination Section 9, that requires daily visible emissions (VE) observations for the baghouses, Emission Units 003 through 009. GP requests that the frequency of these observations be reduced from daily to weekly.

In addition, GP respectfully requests that annual emissions tests for Emission Units 001 through 011 be reduced to once per permit term, and that Air Construction/PSD Permit No. 0770010-002-AC (PSD-FL-282A) permit conditions Sections II.23[Note:], III.A.7 and 8, III.B.6 and 7, III.C.5, III.D.5, and Technical Evaluation and BACT/MACT Determination Section 7.1 and Section 9, be revised accordingly.

#### Reduction in Baghouse VE Observation Frequency

Based on a review of daily VE observation records from January 1, 2008 to December 31, 2012, there have been no visible emissions observed from any of the baghouses, Emissions Units 003 through 009.

In addition, Method 9 annual VE tests for the last 5 years have shown 0% opacity for Emission Units 003 through 009. The test results are enclosed.

Also enclosed with this letter are example copies of completed VE logs from trained VE observers at Hosford, covering each year in the review period. All daily VE logs are available at the facility.

GP respectfully requests that the Air Construction/PSD Permit No. 0770010-002-AC (PSD-FL-282A), permit conditions Section III.C.6 and 7, and in Technical Evaluation and BACT/MACT Determination, Section 9, be revised from daily to weekly as suggested below. In addition, GP respectfully requests that the emissions units in Section III.C.6 be revised to "emissions units 003 through 009," as is written in the Title V Air Operating Permit No. 0770010-012-AV permit condition Section III.C.9; the emissions unit no. be corrected for the Thermal Oil System ESP (now EU011 in 0770010-012-AV); and, the emissions

unit no. be corrected for Miscellaneous Coating Operations, specifically when referencing the edge seal spray booth (now EU014 in 0770010-012-AV):

#### PSD-FL-282A, Section III.C:

- 6. <u>DailyWeekly Visual Observation Required</u>: The owner or operator shall, at least once each dayweek, observe the emission points of emissions units 003 through 010009 while these units are in operation, note whether visible emissions are observed or not and document corrective actions taken, to confirm that the visible emissions limit of condition 3 of this subsection is not exceeded. [Rule 62-4.070(3), F.A.C.] [Note: Method 9 observation is not required for compliance with this condition.]
- 7. <u>Records of DailyWeekly Visual Observations</u>: The owner or operator shall make and maintain records of <u>dailyweekly</u> visual observations required by condition 6 of this subsection.

#### PSD-FL-282A, Technical Evaluation and BACT/MACT Determination, Section 9, Compliance:

The compliance methods are detailed in Section III of the permit. Briefly, annual tests are required for the dryer and press RTOs. Monitoring and record keeping are required of operational parameters. Emission testing is required for the thermal oil system initially and upon renewal of each operation permit to provide information for estimating emissions. Compliance testing for the visible emission limitations for the dryers, press and thermal oil system is required on an annual basis. After initial particulate matter emission testing, further testing of the enclosed material handling emissions units is not required because an alternative limitation of 5% opacity is specified per Rule 62-297.620(4), F.A.C. Initial particulate matter emission testing of the spray booth (emissions unit \textit{\theta10014}) is not required because of its low potential emissions. \textit{\thetaailyWeekly} visual observation of the material handling sources is required for periodic monitoring of the particulate matter control equipment.

PSD-FL-282A, Section I., Facility Description, Project Details and Rule Applicability (Page 2 of 25):

Emissions Unit No.	Emissions Unit Description						
001	Five flake dryers with two regenerative thermal oxidizers						
002	Panel press with one regenerative thermal oxidizer/thermal catalytic oxidizer						
003	Screen fines with saw trim transfer baghouse exhaust						
004	Saw trim/finishing baghouse exhaust						
005	Mat reject/flying saw baghouse exhaust						
006	Specialty saw/sander baghouse exhaust						
007	Fuel system pneumatics baghouse exhaust						
008	Forming bins baghouse exhaust						
009	Hammer mill baghouse exhaust						
<del>010</del> 011	Thermal oil system electrostatic precipitator exhaust						

#### PSD-FL-282A, Section III.D:

The following specific conditions apply to the following emissions units after construction:

Emissions	Emissions Unit Description
Unit No.	

<del>010</del> <u>011</u>	Thermal oil system with electrostatic precipitator (ESP) and bypass stack

#### PSD-FL-282A, Section III.D.9[Note:]:

[Note: The only fuel authorized by this permit while emissions unit 010011 is subject to the NSPS requirements is natural gas. Records must be maintained for five years pursuant to the requirements for Title V facilities.]

#### PSD-FL-282A, Appendix B. BACT/MACT Determination Summary:

#### Summary of BACT/MACT Technology Determinations

Emissions Unit	Pollutants	BACT/MACT Technologies		
001, Dryer	PM/PM10, NOx, CO, VOC, VE	Multiclones and RTOs, 5% opacity RTO, 5% opacity		
002, Panel Press	PM/PM10, NOx, CO, VOC, VE			
003 - 009, Enclosed Material Handling	PM/PM10, VE	Cyclone/baghouse, dry filter system (010014), 5% opacity		
010 <u>011</u> , Thermal Oil System	PM/PM10, VE	Use of natural gas when exhausts directly to atmosphere. Exhaust directed to dryers when firing wood. 5% opacity		
Fugitive emissions	PM/PM10 and VOC	Reasonable precautions to prevent emissions of unconfined particulate matter and VOC		

#### PSD-FL-282A, Technical Evaluation and BACT/MACT Determination, Section 7.3 (Page 10):

For PSD-FL-282, the Department agreed with the applicant's proposed technology and set mass emission limits based on BACT determinations of 0.01 grains per dry standard cubic foot (gr/dscf) for emissions units 006 and 008, 0.005 gr/dscf for emissions units 004 and 005, 98% control efficiency for emissions unit 0.0014, and greater than 99.99% control efficiency for emissions units 003, 007 and 009. For purposes of estimating potential emissions from these emissions units, all PM was considered to be  $PM_{10}$ . Visible emissions were limited to 5% opacity at all times.

#### **Reduction in Emissions Tests Frequency**

GP is also respectfully requesting revision to the testing frequency in Air Construction/PSD Permit No. 0770010-002-AC (PSD-FL-282A). The current permit requires annual pollutant specific testing for the Dryers (EU-001) and the Press (EU-002). The permit also requires an annual visible emissions evaluation for each of the baghouse exhausts (EU-003 through EU-009) and the Thermal Oil Heater exhausts (EU-011). The facility performs continuous parametric monitoring on the control devices on the Dryers and Press, and the parameters being monitored were determined under representative operating conditions during which the facility was operating in compliance with the permit terms. This parametric monitoring satisfies the continuous compliance demonstration requirements contained in the Plywood and Composite Panels (PCWP) MACT. In addition, the results from all testing conducted from 2008 to 2012, have demonstrated compliance for all pollutants with an ample safety margin. The following tables summarize the test results obtained during the period from 2008 to 2012 and provide the maximum percent of permit limit for each pollutant based on the highest test results obtained during this period. Therefore, we respectfully request that the testing frequency for all pollutants be reduced to once per permit term for the Dryers and Press.

#### Dryers/RTOs (EU-001)

•	=	-	•	
	PM	CO	NOx	VOC
Year	(lbs/hr)	(lbs/hr)	(lbs/hr)	(lbs/hr)
2008	15.6	26.1	39.4	6.7
2009	15.9	6.3	45.3	9.2
2010	16.3	20.1	36.1	6.5
2011	14.61	15.98	42.57	8.2
2012	14.63	19.28	43.11	7.52
Permit Limit	42.7	42.4	75.8	79.7
Max % of Limit	38.2	56.8	62.0	11.5

#### Press/RCO (EU-002)

	PM	CO	NOx	VOC
Year _	(lbs/hr)	(lbs/hr)	(lbs/hr)	(lbs/hr)
2008	1.03	0.13	0.96	1.12
2009	2.6	1.7	1.3	4.6
2010	2.4	0	1.3	3.0
2011	1.69	0.3	1.54	4.28
2012	1.93	0.06	1.03	1.31
Permit Limit	3.6	9.2	13.5	12.6
Max % of Limit	72.2	20.7	11.4	36.5

For the baghouse and thermal oil heater exhausts, the required annual visible emissions evaluations (VEE) conducted pursuant to EPA Method 9 have resulted in visible emissions observed which would be expected for properly operating baghouse systems and for natural gas fired emission sources. VEE test results since 2008 to 2012 are enclosed. Given the results from the visible emissions evaluations and since the facility is required to conduct routine visible emissions observations and document if visible emissions were present, the annual requirement to conduct a visible emissions evaluation appears to be redundant and burdensome, and therefore, we request this requirement be reduced in frequency to once per permit term.

GP respectfully requests that the Air Construction/PSD Permit No. 0770010-002-AC (PSD-FL-282A), permit conditions Sections II.23[Note:], III.A.7 and 8, III.B.6 and 7, III.C.5, III.D.5, and Technical

Evaluation and BACT/MACT Determination Section 7.1 and Section 9, be revised to once per permit term as suggested below:

#### PSD-FL-282A, Section II.23[Note:]:

23. <u>Test Notification</u>: The owner or operator shall notify the Department's district office and, if applicable, appropriate local program, at least 15 days prior to the date on which each formal compliance test is to begin. Notification shall include the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator. [Rule 62-297.310(7)(a)9., F.A.C.]

[Note: The federal requirements of 40 CFR 60.8 require 30 days notice of the initial performance test and any tests required under section 114 of the Clean Air Act, but the Department rules require 15 days notice for annual-compliance tests. In addition to compliance, the initial performance test establishes representative conditions of operation based on permitted capacity and other permit requirements. Unless otherwise advised by the district office or, if applicable, appropriate local program, provide 15 days notice prior to conducting annual compliance tests, except for the initial performance test when 30 days notice is required.]

#### PSD-FL-282A, Section III.A.:

- 7. <u>Emission Tests Required</u>: The owner or operator shall demonstrate compliance with the emission limits of this section by testing each RTO initially and <del>annuallyonce per permit term</del> using the test methods of 40 CFR 60 Appendix A specified below.
- 8. <u>Test for Destruction Efficiency Required</u>: An annual test for destruction efficiency shall be conducted simultaneously with the annual emission test for VOCs for each RTO, with destruction efficiency given by the following, expressed as a percentage:

#### PSD-FL-282A, Section III.B.:

- 6. <u>Emission Tests Required</u>: The owner or operator shall demonstrate compliance with the emission limits of this subsection by testing the RTO initially and <del>annually once per permit term</del> using the test methods of 40 CFR 60 Appendix A specified below.
- 7. <u>Test for Destruction Efficiency Required</u>: An annual test for destruction efficiency shall be conducted simultaneously with the annual emission test for VOCs for each RTO, with destruction efficiency given by the following, expressed as a percentage:

#### PSD-FL-282A, Section III.C.:

5. <u>Emission Tests Required</u>: The owner or operator shall demonstrate compliance with the visible emissions limit for this emissions unit <del>annuallyonce per permit term</del> using EPA Method 9, as described in 40 CFR 60 Appendix A. Particulate matter (PM) testing, when required, shall be conducted using EPA Method 5, as described in 40 CFR 60 Appendix A. [Rules 62-4.070(3) and 62-212.400, F.A.C., and BACT]

#### PSD-FL-282A, Section III.D.:

5. <u>Emission Tests Required</u>: To provide information to support emission estimates from this emissions unit, the owner or operator shall test this emissions unit while firing natural gas, initially and prior to renewal of each subsequent operation permit for the pollutants specified in the following table, using the test methods of 40 CFR 60 Appendix A specified below.

POLLUTANT	TEST METHOD
PM/PM <sub>10</sub>	Method 5
NOx	Method 7 or 7E <sup>l</sup>
CO	Method 10
VOC	Method 25A <sup>2</sup>
VE	Method 9

<sup>&</sup>lt;sup>1</sup> Results shall be reported as pounds of NO<sub>2</sub> per hour.

The owner or operator shall demonstrate compliance with the visible emissions limit for this emissions unit annually once per permit term using EPA Method 9, as described in 40 CFR 60 Appendix A

[Rule 62-4.070(3), F.A.C.]

#### PSD-FL-282A, Technical Evaluation and BACT/MACT Determination, Section 7.1 (Page 9):

...consistent with the control efficiencies expected. The equivalent 95% control efficiency for VOC will also control volatile organic HAP emissions to the same degree. Particulate HAP emissions will also be controlled to a level similar to the 95.4% particulate matter control efficiency. The Department did not set a minimum control efficiency for these pollutants to address the applicant's concerns regarding uncertainty and future variability in the quality of the furnished material that may affect short-term levels of control, particularly during annual compliance tests. The Department set a limit for NOx emissions consistent with the applicant's proposed control via low NOx burners. The Department set a VE limit of 10% consistent with the level of emissions expected from the RTOs during normal operation. This opacity limit was increased from 5% to accommodate the unique design of these controls.

#### PSD-FL-282A, Technical Evaluation and BACT/MACT Determination, Section 9, Compliance:

The compliance methods are detailed in Section III of the permit. Briefly, annual tests are required for the dryer and press RTOs once per permit term. Monitoring and record keeping are required of operational parameters. Emission testing is required for the thermal oil system initially and upon renewal of each operation permit to provide information for estimating emissions. Compliance testing for the visible emission limitations for the dryers, press and thermal oil system is required on an annual basisonce per permit term. After initial particulate matter emission testing, further testing of the enclosed material handling emissions units is not required because an alternative limitation of 5% opacity is specified per Rule 62-297.620(4), F.A.C. Initial particulate matter emission testing of the spray booth (emissions unit 010014) is not required because of its low potential emissions. Daily Weekly visual observation of the material handling sources is required for periodic monitoring of the particulate matter control equipment.

Thank you very much for your consideration of these requests and if you need any additional information, please do not hesitate to contact Madison McNealey, Facility Environmental Coordinator, at (850) 379-4038.

<sup>&</sup>lt;sup>2</sup> Results shall be reported as pounds of carbon per hour.

<u>Certification by Responsible Official</u>: Based on information and belief formed after responsible inquiry, the statements and information in this document are believed to be true, accurate and complete.

Sincerely,

Plant Manager Johnnie Temples

#### Attachments

Example Copies of VE logs from 2008-2012 VEE Results from 2008-2012

Cc: Armando Sarasua/FDEP Pensacola Angelia Jackson/FDEP Pensacola Tom Mosher/GP Wood Products Cliff Bowling/GP Wood Products

# Georgia-Pacific LLC Hosford OSB Daily VE

INSPECTOR: Jay Soft	DATE: 11-15-08
Yes RTO A No Corrective Actions:	Yes No
Yes TCO	Forming Bins Yes
Corrective Actions:	Corrective Actions:
Screen Fines Yes No	EU009 Hammermill Yes (10)
Corrective Actions:	Corrective Actions:
EU004 Saw Trim/Finishing Yes	
Corrective Actions:	
EU005 Mat Reject/Flying Saws Yes  Corrective Actions:	
Sander Yes	
Corrective Actions:	
EU007 Fuel System Pneumatics Yes  Corrective Actions:	· .

#### Georgia-Pacific LLC Hosford OSB

### Daily Visible Emission (VE) Record Sheet

INSPECTOR NAME:	Ku	100 (CC)		_ DATE:	12/3/2009
				Time:	Nau
Is RTO/TCO off-line for	or maintenand	e ("off-line" include	s bakeouts, w	ashouts, or other	maintenance activities)?
	RTO A		RTO B		тсо
	Yes	% No	Yes%	. No	Yes% No
	(VE)		(VE)		(VE)
Off-line Time Period:		_ End		End	Start End
VE Reading: If VE ≥ 20%, corrective action:	Time:	<del></del>	Time:	<del></del>	Time:
TVE 2 20%, corrective action.				<del></del>	
EU001	<del></del>	RTO A		<del></del>	
Visible Emissions?	Yes	% No		Only weekly reading	ng required
If VE ≥ 5%, please note corr					•
Corrective Actions:				<del></del>	<del></del>
EU001	<del></del> _	RTO B		·- <u></u>	
Visible Emissions?	Yes			Only weekly readir	ng required
If VE ≥ 5%, please note corr					
Corrective Actions:					
EU002		TCO			
Visible Emissions?	Yes			Only weekly readir	na required
If VE ≥ 5%, please note corr				,,	.3 1=
Corrective Actions:		· ·		<del></del>	
EU003	<del></del> -	Screen Fines			<del></del>
Visible Emissions?	Yes	No			
}					
Corrective Actions:					
EU004		Saw Trim/Finishir			······································
Visible Emissions?	Yes	No	ig		
		/ 'T)			
Corrective Actions:					
EU005		Mat Reject/Flying	Sawe	<del></del>	<del></del>
Visible Emissions?	Yes	No	Jaws		
Corrective Actions:			···	<u> </u>	
EU006		Sander		<u> </u>	
Visible Emissions?	Yes	No			
				-	
Corrective Actions:				<del>-</del>	
EU007		Fuel System Pneu	motios		
Visible Emissions?	Yes	No)	maucs		
Corrective Actions:					<del></del>
EU008		Forming Bins			
Visible Emissions?	Yes	No			
Corrective Actions:		· · · · · · · · · · · · · · · · · · ·			<del></del>
EU009		Hammermill		<del></del>	<del></del>
Visible Emissions?	Yes	No \			
		7 )			
Corrective Actions:					

#### Georgia-Pacific LLC **Hosford OSB** Daily Visible Emission (VE) Record Sheet INSPECTOR NAME: DATE: Time: EU001 (RTO A) Were visible emissions observed? Yes \_\_\_ If no, then no further action required. Cause of visible emissions: Corrective actions taken to eliminate visible emissions: EU001 (RTO B) No 🗸 Were visible emissions observed? If no, then no further action required. Cause of visible emissions: Corrective actions taken to eliminate visible emissions: EU002 (RTO C) Yes \_\_\_ No \_\_ Were visible emissions observed? If no, then no further action required. Cause of visible emissions: Corrective actions taken to eliminate visible emissions: EU003 (Screens Fines) Yes \_\_\_ Were visible emissions observed? If no, then no further action required. Cause of visible emissions: Corrective actions taken to eliminate visible emissions: EU004 (Saw Trim/Finishing) Were visible emissions observed? Yes \_\_\_ If no, then no further action required. Cause of visible emissions: Corrective actions taken to eliminate visible emissions: EU005 (Mat Reject/Flying Saws) Were visible emissions observed? Yes \_\_\_ If no, then no further action required. Cause of visible emissions: Corrective actions taken to eliminate visible emissions: EU006 (Sander) Were visible emissions observed? Yes \_\_\_ If no, then no further action required. Cause of visible emissions: Corrective actions taken to eliminate visible emissions: EU007 (Fuel System Pneumatics) Were visible emissions observed? Yes \_\_\_ No Ó If no, then no further action required. Cause of visible emissions:

Cause of visible emissions:

Corrective actions taken to eliminate visible emissions:

No

If no, then no further action required.

If no, then no further action required.

Yes

Yes \_\_\_

Corrective actions taken to eliminate visible emissions:

Corrective actions taken to eliminate visible emissions:

EU008 (Forming Bins)

EU009 (Hammermill)

Cause of visible emissions:

Were visible emissions observed?

Were visible emissions observed?

### Georgia-Pacific LLC Hosford OSB

Daily Visible Emission (VE) Record Sheet

INSPECTOR NAME:	Sast	DATE:	8/1/1/ 10:00
EU001 (RTO A) Were visible emissions observed?	YesNo	If no, then no further a	ction required.
Cause of visible emissions:			
Corrective actions taken to eliminate vis	sible emissions:	· · · · · · · · · · · · · · · · · · ·	
EU001 (RTO B)	Yes (No)	If an than an fauther as	Aion consisted
Were visible emissions observed?	1es (NO	If no, then no further ac	ction required.
Cause of visible emissions:			·
Corrective actions taken to eliminate vis	sible emissions:		
EU002 (RTO C) Were visible emissions observed?	Yes No	If no, then no further ac	ction required.
Cause of visible emissions:	<del></del>	·	<del></del>
Corrective actions taken to eliminate vis	ible emissions:		
EU003 (Screens Fines) Were visible emissions observed?	Yes (Ng	If no, then no further ac	tion required.
Cause of visible emissions:			
Corrective actions taken to eliminate visi	ible emissions:		
EU004 (Saw Trim/Finishing) Were visible emissions observed?	Yes (No)	If no, then no further ac	tion required.
Cause of visible emissions:			
Corrective actions taken to eliminate visi	ble emissions:		
EU005 (Mat Reject/FlyIng Saws) Were visible emissions observed?	Yes	If no, then no further act	ion required.
Cause of visible emissions:	<del></del>		
Corrective actions taken to eliminate visil	ble emissions:		
EU006 (Sander) Were visible emissions observed?	Yes	If no, then no further acti	on required.
Cause of visible emissions:			
Corrective actions taken to eliminate visib	ple emissions:		
EU007 (Fuel System Pneumatics)  Vere visible emissions observed?	V (A)	16 Ab 5 - Ab Ai	
Cause of visible emissions:	Yes (No)	If no, then no further acti	on requirea.
Corrective actions taken to eliminate visib	le emissions		
U008 (Forming Bins)	ic cirrigatoria.		
Vere visible emissions observed?	Yes (No <sup>r</sup> )	If no, then no further action	on required.
ause of visible emissions:	<del></del>		
orrective actions taken to eliminate visibl	e emissions:	<del></del>	
U009 (Hammermill)	3		
Vere visible emissions observed?	Yes (No)	If no, then no further actio	n required.
ause of visible emissions:			
orrective actions taken to eliminate visible	emissions		·
ease drop form off with Environmental Of	ffice or place in VE Readings'	Birder	

## Georgia-Pacific LLC Hosford OSB

Daily Visible Emission (VE) Record Sheet

INSPECTOR NAME: Kiel	G-odnin	<u> </u>	DATE:	9/16/12	
			Time:	2,60 p, m.	
EU001 (RTO A) Were visible emissions observed?	Yes	No X	If no, then no further	action required.	
Cause of visible emissions:	<del></del>				
Corrective actions taken to eliminate visil	ble emissions:				
EU001 (RTO B) Were visible emissions observed?	Yes	No.×	If no, then no further	action required.	
Cause of visible emissions:					
Corrective actions taken to eliminate visit	ole emissions:				
EU002 (RTO C) Were visible emissions observed?	Yes	No X	If no, then no further a	action required.	
Cause of visible emissions:	<u>.</u>				·
Corrective actions taken to eliminate visib	ole emissions:				
EU003 (Screens Fines) Were visible emissions observed?	Yes	No <u>Y</u>	If no, then no further a	action required.	
Cause of visible emissions:					· <del>·····</del>
Corrective actions taken to eliminate visib	ole emissions:				
EU004 (Saw Trim/Finishing) Were visible emissions observed?	Yes	No <u>&gt;</u>	If no, then no further a	action required.	
Cause of visible emissions:	·		<del></del>		<del></del>
Corrective actions taken to eliminate visib	le emissions:				
EU005 (Mat Reject/Flying Saws) Were visible emissions observed?	Yes	No X	If no, then no further ac	ction required.	
Cause of visible emissions:		·	· · · · · · · · · · · · · · · · · · ·		<del></del>
Corrective actions taken to eliminate visible	le emissions:				<del></del>
EU006 (Sander) Were visible emissions observed?	Yes	No <u>L</u>	If no, then no further ac	ction required.	
Cause of visible emissions:					
Corrective actions taken to eliminate visible	e emissions:				
EU007 (Fuel System Pneumatics) Were visible emissions observed?	Yes	No <u></u>	If no, then no further ac	ction required.	
Cause of visible emissions:		<del></del>			·
Corrective actions taken to eliminate visible	emissions:				
U008 (Forming Bins) Vere visible emissions observed?	Yes	No <u>X</u>	If no, then no further act	tion required.	
Cause of visible emissions:	<del></del>	···			
orrective actions taken to eliminate visible	emissions:				
U009 (Hammermill)	* .	/	· · · · · · · · · · · · · · · · · · ·		
Vere visible emissions observed? ause of visible emissions:	Yes	No <u>⊀</u> _	If no, then no further acti	on required.	
	· · · · · · · · · · · · · · · · · · ·				<del></del>
orrective actions taken to eliminate visible	emissions:				

# EPA METHOD 9 (40 CFR 60 - Appendix A) VISIBLE EMISSION OBSERVATION FORM OBSERVATION DATE OF START TIME

GEORGIA-PACIFIC WOOD Produ	ste	OBSERVATI	ON DATI	ለያ	STAI	TTIME	S END TIME
IL OCATION	السودا	SEC	· · ·		<u></u>	<u> </u>	<del>7 1 1 1</del>
12995 Hwy 65		WIN	0	15	30	45	COMMENTS
LOCATION LIBERTY (O.		1	0	2	0	Ö	
CITY STATE 77P	i	2	0	2	0	0	·
PROCESS EQUIPMENT OPERATING MODE		3	0	0	0	ی	
CONTROL EQUIPMENT OPERATING MODE		4	Δ	$\alpha$	3	Ö	
CONTROL EQUIPMENT OPERATING MODE		5	0	0	(1)	0	
CONTROL EQUIPMENT  CONTROL EQUIP		6	0	O	0	0	
Vern car Stack		,		0	Ó	Ŏ	
HEIGHT OF EMISSION POINT HEIGHT OF EMISSION POINT RELATIVE		8	0	<u>`</u>	2	5	
132 START 128 END 128		9	30	20	0	0	
DISTANCE TO EMISSION POINT DIRECTION TO EMISSION PT. (DEGREES		10		$\mathcal{O}$	0	5	
10-160)) UN 40			30	0	2		
START 565 END 555 START O END 40 POINT ORDER TO ABSERVATION POINT ORDER (2-360))		11		_	-	0	
START 12 END 13 START 4( SEND 40 START 13 START 14 START 15 START		12	Q	Ŏ	0	2	\
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EXISSION POINT		13	0	0	0	Ö	
BTART 12 UPWAYD END ~ A UPWAIZD DESCRIBE EMISSIONS		14	0	0	0	0	
l'		15	Q	0	0	$\bigcirc$	
START NONE END NOWE		16	0	0	Q	0	· · · · · · · · · · · · · · · · · · ·
START NA END NA ATTACHED DETACHED NONE DE		17	0	0	0	0	
GUAL CLOUDY		18	0	0	$\mathcal{O}^{-1}$	$\Box$	
START SKY-COUDY BACKGROUND COLOR SKY-CONDITIONS		18	0	0	0	0	
STARTLE CALCIEND IL COMISTART DU PECCA POD O UPE MI	51	20	Õ	0	0	$\sigma$	
START LECT A END IL COURT THE OF CONTEND OUT OF CAL	<u> </u>	21	0	0	0	0	· · · · · · · · · · · · · · · · · · ·
STARY 5 END 5 START ALE ENDALE		22	0	0	0	0	· 175.W
AMBIENT JEMP START 90 END 88 WET BULB TEMP RH percent	ľ	23	0	n	0	ŏ	
		24	Ó	0	0	0	
Source Layout Skelch Diaw North Arrow		25		0	0	0	
	<b>l</b>	26	8			0	
	ŀŀ		兴	0	0		· · · · · · · · · · · · · · · · · · ·
\$ Observation Point _003	╽┟	27	Ó	0	0	2	
	-	28	0	0	O	Q	
132 FT _		29	0	-21	Š	٧	
1 50 1	L	30	ال	2	<u> </u>		
Observer's Position Side View	17	BSERVERS	NAME	PRINTS			
Stack with Flume		MAK	26A	Rt ]	1		M Vest
Sun D		MOLC.	signat Claat	O M	160	4-	DATE 9/10/2003
Sun costion Line Wind	[	RGANIZATI	A.C.	1.8	10	A-11	IFIC. UC
AUDITIONAL INFORMATION	· · · į	EATTER	\ \-	******	تكنابنه	لتتنسيس	DATE 5-29-08

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM
OBSERVATION DATE START TIME

COMPANY NAME .	l	OBSERVATION DATE			START TIME		END TIME
BENDELL DACIEL WHOM DO MITHEL	<i></i> _	0-10	9-10-08		4:50		5:20_
BEDREIA PACIFIC WOOD PRODUCTSL	۳				<u></u>		1-1-7-6-5
9,R. 65		SEC	0	15	30	45	COMMENTS
		MIN		<u> </u>		ļ	
LOCATION		1	Ω	ໂກ	0	0	
	ł				<del> </del>	0	
ADSFARD FL. 32334 PROCESS EQUIPMENT OPERATING MODE		2	Q	D.	0	<i>U</i>	
PROCESS EQUIPMENT OPERATING MODE	l	3	(3	l n	0	0	
PROCESS EQUIPMENT OPERATING MODE		<del></del>			1		
PAUEL 12IM NOMAL CONTROL COUPMENT OPERATING MODE		4	0	0	0	0	
CONTROL EQUIPMENT OPERATING MODE	1	5	0	0	a	0	
BAGHOUSE EP-4 NOLMAL	Į						
DESCRIBE EMISSION POINT Stack - Open top	1	8	0	D.	0	0	
VALTITUE STUCKE OF OIL TOP		7	<b>(°)</b>	0	0	Ö	
HEIGHT OF EMISSION POINT HEIGHT OF EMISSION POINT RELATIVE		8	0	0	Ð	0	
100' START 95 END 95'		9	0	0	0	0	
DISTANCE TO EMISSION POINT DIRECTION TO EMISSION PT. (DEGREES		-		<u> </u>			
	l	10	ωQ	0	(0 4	b l	
START 240 END 240 START 78 END 78 OF START 78 END 178 OF START 178 END 178 END 178 OF START 178 END	l	11	A		01		
START 240 END 240 START 78 END 78 PERFECTAL ANGLE TO OBSERVATION POINT	l	<u> </u>	-	Q_	(C)	<u> </u>	
OINT DEGREES (0-360))		12	Ω	0	Ω.	0	
START 22 END 22 START 79 END 78 PARTAINE & DIRECTION TO DESERVATION POINT FROM EMISSION POINT		13	~		0		
PISTANCE & DIRECTION TO DESERVATION FONT FROM EMISSION POINT	l	13	0	D	10	0	
START ALET' I'UP END ALET I' US DESCRIBE EMISSIONS	l	14	(A)	$\cap$	l a	0	
				~	~	<u> </u>	
START NOW END NONE EMISSION COLOR WATER DROPLET PLUME		15	0	0	0	$\mathcal{L}$	
FMISSION COLOR WATER DROPLET BLUME		16	0	0	0	0	
MATER DIROT CET TESME				·			
START UP END NH ATTACHED DETACHED DENOME BY		17	0	0	0	0	
DESCRIBE PLUME BACKGROUND		18	0	Λ	(7)	0	
START THIN CLOSE SKYEND BLUE SKY	ŀ	<del></del>		12-			
BACKGROUND COLOR SKY CONDITIONS	ĺ	18	_0	8	۵	$\circ$	
1- alle lil southered on the	4	20	G	O	0	0	
START LT BY LEND blue START SCATTER END SCATTERS WIND SPEED WIND DIRECTION	PCE	<del></del>					· · · · · · · · · · · · · · · · · · ·
WIND SPEED WIND DIRECTION		21	$\ddot{O}$	0	0	0	
START O-DEND S STARTENE END NE AMBIENT TEMP END 905 WET BULB TEMP RH percent	,	22	0	~	0	0	
AMBIENT TEMP WET BULB TEMP RH percent				0			
START 9 END 405	ŀ	23	0	0	0	0	
	1	24	0	0	ව	Ö	
Source Layout Skelch 1 Draw North Arrow	1	29				$\circ$	
Source Layout Skelch 1 Draw North Arrow	Ι,	25	0	0	0	ري ا	
1 1800					0	O	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		26	0	<i>i</i> )	2		
		27	0	0	Ô	0	
Observation Point	1			0			
EP-4	1	28	0	U/	0	0	
		29	0	O	0	0	
EP-6	] ,	30	<u> </u>	0	0	0	
	l Ì		-				
bserver's Position Side View		OBSERVERS	NAME	PRINTI			
Stack With			Mar.	ote	M.	Vest	marin
Plume Prume			SIGNA	URE	/		DATE
Sun 💠		May		YII	11/9	<b>\$1_</b>	9 10 2008
Sun Eccation Line Wind		ORGANIZATI	01/1/2	ιΛ. –	M	160	c Pat
ADDITIONAL INFORMATION		CERTIFIED	پېښو	K.,	11 14	11.1	TDAYE
ADDITIONAL INFORMATION		CENTIFELLE	ľΑ·				DATE 5-29-2008
	(	<u> </u>					the state of the s

EPA METHOD 9 (40 CFR 60 - Appendix A) VISIBLE EMISSION OBSERVATION FORM

CEORGIA PACIFIC WOOD Production	5	9-1	0 -1	28	STAI	11 TIME	PM 3:45 PM
HOSFORD USB		SEC	0	15	30	45	COMMENTS
12995 Hwy 65		1	O	0	0	б	
ICITY ISTATE 1710 I		2	0	0	0	0	
PROCESS EQUIPMENT OPERATING MODE		3	0	0	0	0	
MATT REJECT BY NUMBER OPERATING MODE		4	10	0	0	0	
BAGHOUSE - LOS NORMAL		5	0	0	0	0	
BAGHOUSE - LOOS NORMAL DESCRIBE EMISSION POINT DOS - Vertical Struc	k	6	0	0	0	0	
OPEN TOP HEIGHT OF EMISSION POINT HEIGHT OF EMISSION POINT RELATIVE	1	7	Ď	0	_0	$ \Delta $	
to observer		8	0	0	Q	0	
DISTANCE TO EMISSION POINT   DIRECTION TO EMISSION PT. (DEGREES		9	0	0	0	0	:
220 220 450	ł	10	Ò.	0		0	
START 330 END 330 START 45 END 45° PRETICAL ANGLE TO OBSERVATION DIRECTION TO OBSERVATION POINT DEGREES (0-360)		12	<u>ර</u> ට	0	0	0	
START 21 END 21 START 45 END 45 USTANCE & DRECTION TO OBSERVATION PONT FROM EMISSION PORT		13	0	0	01		
DISTANCE & DRECTION TO OBSERVATION FORT FROM EMISSION POINT START L'UPUD FND L'UPUD	1	14	0	9	0	7	
DESCRIBE EMISSIONS	ŀ	15	<u> </u>	0	0	0	
START NONE END NONE EMISSION COLOR WATER DROPLET PLUME	Ì	18		Ö	0	0	<u></u>
1	Ì	17	8	0	0	0	
START NA END NA ATTACHED DETACHED ON NONE DESCRIBE PLUME BACKGROUND		18	0	0	0	0	
START OKY - CLOUDY END CLOUDY STY	Ì	19	0	10	0	0	,,,_,_,_,_,_,_,_,_,_,_,_,_,_,_,
	1	20	0	0	o	0	
STARTUNE END TYPES START OVER CUSEND EXPERCES		21	0	0	0	0	· · · · · · · · · · · · · · · · · · ·
START ()- S END ()- S START NE END NC AMBIENT TEMP START 12 END 90  START 12 END 90  START 12 END 90		22	Ć)	0	0	0	
AMBIENT TEMP RH POICENT START 12 END 90 WET BULB TEMP RH POICENT (55%)		23	0	Ŏ	0	0	
Source Layout Sketch Draw North Arrow		24	0	0	0	0	
DIN SAN	ļ	25		0	0	0	
	1	26	0	0	0	0	· · · · · · · · · · · · · · · · · · ·
	-	27	0	0	0	0	
X Observation Point	-	28	0	0	0	7	
~ 005 ~ Closs   - FT _	ļ	29	<u></u>	0		91	
m Enk	L	30	0	0	لـ۵	0	<del></del>
Cheaniare Chainn Side View	[c	BŞERVERS	NAME (	PRINT			<u> </u>
Steril Steril		Mar ASERVER'S	710r	-e.te	1	<u>1. V</u>	
Sun 🕈	ſ	Mari	ALL	A.	m'	Vol	1 9-10-2008
Sun Location Line Wind		RGANIZATK	ŘG!	A-1	DAC	1Fic	
ADDITIONAL INFORMATION	Ľ	ERTE		·			DATE - 29 - 2008

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	bookoduć	3	OBSERVATION -	он бате - (3 т	a ያ		ET TIME	END TIME
GYDRGIA-PACIFICA	CODITION	Ć.	SEC			<del></del>		
			MIN	0	15	30	45	COMMENTS
LOCATION 12995 HWY	65		1 .	0	0	0	0	
CITY STATE	ZIP		2	9	0	0	Ö	, , , , , , , , , , , , , , , , , , ,
HOSFO LD F2	32334		3	0	0	0	0	
PANEL SANDER	NORMAL OPERATING MODE		4	0	0	0	0	
CONTROL EQUIPMENT  BAGHOLISE CP-6	OPERATING MODE  NOLMAL		5	୨	0	0	0	
BAGHOUSE CP-6 DESCRIBE EMISSION POINT	700/4/30/2		6	0	0	0	0	
Vartical Stack - DD	5X1 7MP		7	0	0	0	0	
HEIGHT OF EMISSION POINT HEIGHT OF EL	ISSON POINT RELATIVE		8	0	O	0	0	
901 START 8	5' END 85'		9	6	O	0	0	
DISTANCE TO EMISSION POINT DIRECTION TO	EMISSION PT. (DEGREES		10	0	0	0	0	
START 240 END 240 START	OBSERVATION POINT		11	Ö	D	Ö	Ŏ	
POINT DEGREES (0-3	50))		12	8)	0	Ø	0	
BTART CO END 9 START PO	2° END 80"		13	ð	0	()	0	
h 1 ()/	V P		14	Ŏ	Ó	0	Õ	······································
DESCRIBE EMISSIONS			15	Ŏ.			8	
START NOVO END NO END END NO END NO END END NO END END NO END	INC.		15	0	0		5	
1	DETACHED TO NONE ISC		17	S	Ö	Ö	0	······································
DESCRIBE PLUME BACKGROUND			18	ပ	0	0	Ü	
START TAIN COLOR SKY CONDITION	e sky		19	8	0	9	ŏ	
1		ı,	20	.00		0	J	
START LT BL END BLUE START GOLD WIND DIRECTION	ed lends afferd	<b>(</b>	21	0	0	0	0	
START 0 5 END 5 START E.N. AMBIENT TEMP START 41 END 905 WET BULB TEM	E FNO NE		22	8	0		0	
AMBIENT TEMP	P RH percent		23	0	0	0	0	
			23	0		0	ठ	<u> </u>
Source Layout Sketch WIND WIND	Draw North Arrow				00	Q	0	
END WE WANT			25	0	0	0	0	
T. F.			28	Ŏ				
Servation Point	7,4		27	2	0	0	0	·
EP 6			28	0	0	0	4	
	[tFT]		29		0	0	$\frac{9}{2}$	
		l	30	<u>E</u>	0	O		
Doserver's Position	Side View	ſ	OBSERVER'S	NAME (	PRINT)	A		U T
1400	Stack with O		OBSERVER'S	SIGNAT	URF C	40	M	Ves l
170	Sun 🕈	ľ	MA	166	لسا	$\partial \mathcal{W}$	WAI	9-10-2008
Sun Location Line	Wind		ORGANIZATI	)[[[0	A.	DA	US	TIC LIC
AUDITIONAL INFORMATION			CERTIFIED B	Y	1			DATE 45. 79.2005

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

OBSERVATION DATE
OBSERVATION DATE
OSTART TIME

COMPANY NAME	1 0	Ī	BSERVATE	ON DATE	<u> </u>	STAF	TIME	ENDTIME	
GEDREA- PACIFIC	Larly Carlock	ج	9-1	0-1	2008	3   1	4:15	5 4:45	
LOCATION	- /. (.	<i>.,</i> .				,			
GEORGIA-PACIFIC LOCATION 12995 HWY 6	5		SEC	0	15	30	45	COMMENTS	
LOCATION	,	ľ	1	0	0	0			
		-					Q_		
CITY	ZIP -7 0 12 (1	L	2	0	0	0	0		
PROCESS EQUIPMENT	32334		3	0	0	0	0		
PROCESS EQUIPMENT	OPERATING MODE	ſ		0	0		·		
SANDER CONTROL EQUIPMENT	OPERATING MODE	}-	4			Q	0		
BAGLOUSE	NORMAL		5	0	0	O	0		
BAGHOUSE DESCRIBE EMISSION POINT ED 7		Γ	6	0	0	0	0		
	Vertical	ŀ		0					
W RAIN CAP - THIN HEIGHT OF EMISSION POINT HEIGHT OF	DIAM · SWULLS	le.Jk	. 7		0	Đ. (			
I IN ORSERVE	Ω .	ı	8	D	0	00	)		
DISTANCE TO EMISSION POINT DIRECTION	O END 70 O END 70 O END 340 O END 340 O OBSERVATION POINT	ſ	9	9	0		0		
DISTANCE TO EMISSION POINT DIRECTION	O EMISSION PT, (DEGREES	-		_					
15 lads -15 ( )-360))	NAMA .	L	10	0	0	0	$\circ$		
15 405 -15 445 START 34	0° END 340°	- 1	11	E)	0	0	a		
VERTICAL ANGLE TO OBSERVATION DIRECTION T	O OBSERVATION POINT	Ī	12	0	۵	0	0		
START S END START	70 3400	ŀ		****					
DISTANCE & PRECTION TO OBSERVATION PONT FROM	EMISSION PONT	L	13	0	0	0	<b>Q</b> _		
START THE SIVEND DESCRIBE EMISSIONS			14	0	0	O			
4		٦	15	ñ	0	0	0		
START NEW END NO.	me [	ŀ							
	LET PLUME	L	16	$\Theta$	0	0	0		
STARTNA END NA ATTACHED DESCRIBE PLUME BACKGROUND	DETACHED () NONE	ı	17	0	0	0	O		
DESCRIBE PLUME BACKGROUND	7.5	r	40		0				
Grant land Iblian state Con	IN -Bluesky	-	18	0		0	0		
START CLOUPLY STORE CLOUBACKGROUND COVOR SKY CONDITION	ONS /	Ł	19	0	0	0	0		
		Γ	20	0	0	0	3		
START LT BLUCEND LE BLUE START OVE WIND SPEED WIND DIRECT	I CHEVEND DISSERTED	۲					-		
		L	21	0	0	0	$Q_{-}$		
START S END S START S. AMBIENT TEMP START 90 FEND E9 .6 WET BULB TE	N END TX , N		22	Ol	0	Ð	Ö		
START 90 FEND 89 .6 WET BULB TE	MP RH percent	Γ	23	0	0	0	(a)		
(3) AN /V , CNS V / V	**************************************	┢							
Source Layout Skeloh	Draw North Arrow	_	24	_0	0	$\Box$	Q		
			25	-0	ام	0	0	,	
	( 1 )	r	26		- 1		Õ		
	W / II	}		0	Q	0			
		L	27	0	$\mathcal{O}$	2	0		
Moservation Point S interes	wall		28	D	0	$\Delta$	$\sigma$		
11 Attenderio	Dagnouse			->	<u> </u>	~	*		
ext.	FT	-	29	0	Q	0	0		
Stack.	[ <u>F</u>	L	30		<u> </u>	0	0		
- Litter coefs									
Observer's Position	Side View	Õ	BSERVERS	NAME (	PRINT)	\	. i		
	Stack ynth O	با	Mar			M.V	125T		
			OBSERVER'S SIGNATURE WAS 9/10/2008						
And the state of t		ō	RGANIZATI	منصنه آل	angentur L	$\frac{J}{J}$	<u>.a.</u>	7	
Sun Location Line	W <sub>ind</sub>	. ].	beor	ia.	1bc	Hic	بأبيار		
ADDITIONAL INFORMATION OF		C	ERTIFIED	7				5/29/2008	
STANDING STOP MOCH B	LDG	I		<b></b>			<del></del>	1 21 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

GEORGIA- PACIFIC WOOD Product	51	9/1	0 1	008		3.15	PM 3:45 PM.
HOSFORD OSB	~	SEC	0	15	30	45	COMMENTS
12995 Huy 65		1	0	Ω	0	0	
ICHY ISIAIE (ZIP r )	Ī	2	9	Ó	0/	0	
HOSFOCO FL. 32334 PROCESS EQUIPMENT OPERATING MODE	I	3	Õ	0	Ø	0	
FORMING BINS NORMAL CONTROL EQUIPMENT OPERATING MODE	Ţ	4	O	<b>(</b> )	()	Ö	
CONTROL EQUIPMENT OPERATING MODE	ĺ	5	0	0	0	O	
BAGHOUSE NORMAL DESCRIBE EMISSION POINT DOB Vertical Stack	,	6	0	Ø		0	
RESID EXPOSES OPEN TOP HEIGHT OF EMISSION POINT RELATIVE	-	7	0	G	5	0	
TO OBSERVER		8	0	0	0	0	
DISTANCE TO EMISSION POINT DIRECTION TO EMISSION PT. DEGREES		9	0	0	0	ର	
DISTANCE TO EMISSION POINT DIRECTION TO EMISSION PT. (DEGREES ) 350))		10	0	0	0	0	
START 300 END 300 START 45 END 2450 PERIOD AND DIRECTOR TO OBSERVATION DIRECTOR TO OBSERVATION POINT		11	0	۵	0	ପ	
POINT IDEGREES (0-350))		12	0	Ô	0	0	
START CO END CO START 45 END 45 END 45 END HE START 45 END 45		13	O	Ŏ	0	0	
START 1 UPWARD END 1 UPWARD DESCRIBE EMISSIONS		14	0	O	0	Ô	
		15	0	Ŏ	0	ට	
START NONE END NONE EMISSION COLOR WATER DROPLET PLUME		16	0	0	0	Ð	
START NA END NA ATTACHED D DETACHED D NONE NO		17	0	D	٥	9	
1	Į	18	0	0	0	0	
START CLCULY SKYEND CLCULY SKY BACKGROUND COLOR SKY CONDITIONS		19	0	0	n	$\circ$	
START GRAMEND GRAY START BUCK COS END TWO THE WIND SPEED WIND SPEED	۲	<u> </u>	0	Ò	ò	1)	
i i		21	$\tilde{\Omega}$	Ŏ	Ö	$\circ$	
START ( S END ) START NE END NE AMBIENT TEMP WET BULB TEMP RH percents Of		22	( <u>)</u>	0		0	
AMBIENT TEMP START 93 END 90 WET BULB TEMP RH percent		23	Ŏ	0	0	0	ì
Source Layout Sketch Draw North Arrow		24	0	$\cap$		0	
ODDIO ZUJORI OROLON		. 25	0	ã	ð	0	
		26	Ď		0	0	
0057		27	0	Õ	$\bigcirc$	Q	
Cotservation Pont		28	$\bigcirc$	0	()	Ŏ	
008		29	$\Box$	Ω	Ö	0	
A. STK		30	Ö	0	ဝ	0	
Doserver's Position Side View	52		<del></del>				·
Stack o	- 1	BSERVERS	CIAS	~e .t	<u>e 1</u>	M	Vest
40°- Flume	0	BSERVER'S	SIGNAT	TURE	m	box	DATE 9-10-2003
Sun Location Line Ward	G	RGANIZATI	ON/	-00	94	EII.	LLC-
ABBUTTONAL INFORMATION STANDING BUT OFFICE PARLIMS		ERTIFIED	γ <del>!.</del> -	<del>ب. ۔</del>	ليسالك بالشاب		DATE 5-29-2006
LITERINING IN LEVALA PROPERTY	ι						<u> </u>

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

OBSERVATION DATE
OSTART TIME

COMPANY NAME	OBSERVATION DATE START TIME END TIME
GEORGIA PACIFIC WP.	9:10-2008 3:45 4:15
12775 HWY 65	SEC 0 15 30 45 COMMENTS
LOCATION	
	1 0000
CITY STATE ZIP	1 0000
HOSTOLD FL 32334 PROCESS EQUIPMENT OPERATING MODE	3 0000
ELANARISTANIA - ARRIVATARIA	. 0000
CONTROL EQUIPMENT OPERATING MODE	1 0 0 0 0
CONTROL EQUIPMENT DEPERATING MODE  BABITOUSE / CY WONE NORMAL  DESCRIBE EMISSION POINT VETLETICAL STAPIC	. 0000
HEIGHT OF EMISSION POINT HEIGHT OF EMISSION POINT RELATIVE	]
TO OBSERVER	
132   START   26 END 28   DISTANCE TO EMISSION POINT   DIRECTION TO EMISSION PT. DEGREES	. 0000
0-3601	10 0 0 0 0
START 555 END 555 START 40° END 40° PERTICAL ANGLE TO OBSERVATION POINT	" 0000
PENN (DEGREES (0-350))	12 (2) (2) (3) (4)
START 13° END 13° START 140° END 40° DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	30000
STARTULUPWARD END NO 21 UPWARD	
STARTURE EMISSIONS	
START NOVL END NOVL EMISSION COLOR WATER DROPLET PLUME	
STARTINA NA ATTACHED DETACHED NONES	
1	18 0000
START CLOUDY SKY END CLOUDY SKY	10000
START + CAPT END LA GY START O V CT COST WIND SPEED) WIND DIRECTION	\$T 20 0 0 0 0
WIND SPEED) WIND DIRECTION	21 0 0 0
START 5 END S START NE END NE	2 0000
START 90 END 90 WET BULB TEMP RH percent	3 0 0 0 0
Source Layout Sketch Draw North Arrow	
	28 DOOO
X Observation Point	28 0000
Eu 132'	29 0000
	30 0000
552_FI	The state of the s
Observer's Position Side View	OBSERVER'S NAME (PRINT)
Stark with Plume	OBSERVER'S SIGNATURES ALL HOATE
Sun 🕈	ORGANIZATION WILLIAM 9-10-08
Sun Location Line Wind	COEDRGIA PACIFIC LLC
AUDITIONAL INFORMATION	CERTIFIED BY CA- DATE 5/29/03

P.O. Box 655 | 624 Ridgewood Road Ridgeland, Mississippi 39158 phone: 601/856-3092

fax : 601/853-2151

August 9, 2009

Subject:

Georgia-Pacific Wood Products LLC -- Hosford, Florida OSB Plant

Air Permit No. 0770010-003-AV

Ms Kristine Waikins Georgia-Pacific Wood Products LLC. PO Box 322 Hosford, Florida 32334

Dear Ms Waikins:

On June 30 and July 31, 2009, Environmental Monitoring Laboratories performed visible emissions testing of nine (9) emission points at Georgia-Pacific's OSB facility in Hosford, Florida. Additionally, Georgia. This letter and attachments address visible emissions results of those nine emission points. This testing was done in accordance with requirements of the Florida Department of Environmental Protection.

The following table is a summary of the results of the visible emission readings. Each evaluation was made for a period of 30 minutes. In the table, the highest six minute average opacity (SMA) and the average opacity for the period is provided.

Source		Highest SMA	Avg for Period	V.E. Reader	Affiliation
Fines Screen Cyclone	EP-3	0.00	0.00	Warren Wallace	EML
Residuals Cyclone	EP-4	0.00	0.00	Shaun Walker	EML
Mat Reject Baghouse	EP-5	0.00	0.00	Andre Thompson	EML
Sander Baghouse	EP-6	0.00	0.00	Shaun Walker	EML
Fuel System Baghouse	EP-7	0.00	0.00	Warren Wallace	EML
Forming Baghouse	EP-8	0.00	0.00	Andre Thompson	EML
Hammer Mill Cyclone	EP-9	0.00	0.00	Warren Wallace	EML
Thermal Oil No. 1		0.00	0.00	Warren Wallace	EML
Thermal Oil No. 2		0.00	0.00	Warren Wallace	EML

Attached are copies of the visible emissions records and reader certification documentation. Please let me know if there are any questions.

Very truly yours,

**ENVIRONMENTAL MONITORING LABORATORIES** 

Dail 6. Rum

Daniel G. Russell

P.O. Box 655 624 Ridgewood Road Ridgeland, Mississippi 39158

Phone: 601/856-3092 Fax 601/853-2151

June 7, 2010

Subject:

Georgia-Pacific Wood Products LLC -- Hosford, Florida OSB Plant

Air Permit No. 0770010-003-AV

Ms Kristine Waikins Georgia-Pacific Wood Products LLC. PO Box 322 Hosford, Florida 32334

Dear Ms Waikins:

On April 28, 2010, Environmental Monitoring Laboratories performed visible emissions testing of nine (9) emission points at Georgia-Pacific's OSB facility in Hosford, Florida. This letter and attachments address visible emissions results of those nine emission points. This testing was done in accordance with requirements of the Florida Department of Environmental Protection.

The following table is a summary of the results of the visible emission readings. Each evaluation was made for a period of 30 minutes. In the table, the highest six minute average opacity (SMA) and the average opacity for the period is provided.

Source		Highest SMA	Avg for Period	V.E. Reader	Affiliation
Fines Screen Cyclone	EP-3	0.00	0.00	Bill Norwood	EML
Residuals Cyclone	EP-4	0.00	0.00	Shaun Walker	EML
Mat Reject Baghouse	EP-5	0.00	0.00	Andre Thompson	EML
Sander Baghouse	EP-6	0.00	0.00	Shaun Walker	EML
Fuel System Baghouse	EP-7	0.00	0.00	Otis Rayburn	EML
Forming Baghouse	EP-8	0.00	0.00	Andre Thompson	EML
Hammer Mill Cyclone	EP-9	0.00	0.00	Shaun Walker	EML

Attached are copies of the visible emissions records and reader certification documentation. Please let me know if there are any questions.

Very truly yours,

**ENVIRONMENTAL MONITORING LABORATORIES** 

Daniel G. Russell

Darillo-Roman

P.O. Box 655 624 Ridgewood Road Ridgeland, Mississippi 39158 Phone: 601/856-3092 Fax 601/853-2151

September 24, 2011

Subject:

Georgia-Pacific Wood Products LLC -- Hosford, Florida OSB Plant

Air Permit No. 0770010-003-AV

Ms Madison McNealey Georgia-Pacific Wood Products LLC PO Box 322 Hosford, Florida 32334

Dear Ms McNealey:

On August 30 and 31, 2011, Environmental Monitoring Laboratories performed visible emissions testing of nine (9) emission points at Georgia-Pacific's OSB facility in Hosford, Florida. This letter and attachments report results for those tests. This testing was done in accordance with requirements of the Florida Department of Environmental Protection.

The following table is a summary of the results of the visible emission readings. Each evaluation was made for a period of 30 minutes. In the table, the highest six-minute average opacity (SMA) and the average opacity for the period are reported.

Source		Highest SMA	Avg for Period	V.E. Reader	Affiliation
Fines Screen Cyclone	EP-3	0.00	0.00	Andre Thompson	EML
Residuals Cyclone	EP-4	0.00	0.00	Andre Thompson	EML
Mat Reject Baghouse	EP-5	0.00	0.00	Andre Thompson	EML
Sander Baghouse	EP-6	0.00	0.00	Andre Thompson	EML
Fuel System Baghouse	EP-7	0.00	0.00	Andre Thompson	EML
Forming Baghouse	EP-8	0.00	0.00	Andre Thompson	EML
Hammer Mill Cyclone	EP-9	0.00	0.00	Andre Thompson	EML
Thermal Oil No. 1	EP-11	0.00	0.00	Andre Thompson	EML
Thermal Oil No. 2	EP-11	0.00	0.00	Andre Thompson	EML

Attached are copies of the visible emissions records and reader certification documentation. Also attached is documentation of operating conditions during the days on which emissions testing was performed. Please let me know if you have any questions.

Very truly yours,

**ENVIRONMENTAL MONITORING LABORATORIES** 

Daniel G. Russell

Dunulo. Par

P.O. Box 655 624 Ridgewood Road Ridgeland, Mississippi 39158 Phone: 601/856-3092 Fax 601/853-2151

September 29, 2012

Subject:

Georgia-Pacific Wood Products LLC -- Hosford, Florida OSB Plant

Air Permit No. 0770010-012-AV

Ms Madison McNealey Georgia-Pacific Wood Products LLC PO Box 322 Hosford, Florida 32334

Dear Ms McNealey:

On August 24, 2012, Environmental Monitoring Laboratories performed visible emissions testing of nine (9) emission points at Georgia-Pacific's OSB facility in Hosford, Florida. This letter and attachments report results for those tests. This testing was done in accordance with requirements of the Florida Department of Environmental Protection.

The following table is a summary of the results of the visible emission readings. Each evaluation was made for a period of 30 minutes. In the table, the highest six-minute average opacity (SMA) and the average opacity for the period are reported.

Source		Start-End	Highest SMA Opacity	Avg opacity for period	V.E. Reader
Screen Fines with Saw Trim Transfer Baghouse	EU-3	0830/0900	0.00	0.00	Ben Whitlock
Saw Trim/Finishing Baghouse	EU-4	0954-1024	0.00	0.00	Otis Rayburn
Mat Reject/Flying Saw Baghouse	EU-5	0905-0935	0.00	0.00	Ben Whitlock
Specialty Saw/Sander Baghouse	EU-6	1000-1030	0.00	0.00	Otis Rayburn
Fuel System Pneumatics Baghouse	EU-7	1000-1030	0.00	0.00	Ben Whitlock
Forming Bins Baghouse	EU-8	0905-0935	0.00	0.00	Ben Whitlock
Hammer Mill Baghouse	EU-9	0830-0900	0.00	0.00	Ben Whitlock
Thermal Oil Heater No. I	EU-11	1030-1100	0.00	0.00	Warren Wallace
Thermal Oil Heater No. 2	EU-11	1030-1100	0.00	0.00	Warren Wallace

Attached are copies of the visible emissions records and reader certification documentation. Also attached is documentation of operating conditions during the days on which emissions testing was performed. Please let me know if you have any questions.

Sincerely,

**ENVIRONMENTAL MONITORING LABORATORIES** 

Daniel G. Russell