

Part 70 Operating Permit Amendment

Permit Amendment No.: 2421-301-0003-V-03-1 Effective Date:

Facility Name: **Georgia-Pacific Wood Products LLC
(Warrenton Chip-N-Saw Facility)**
331 Thomson Highway, NE
Warrenton, Georgia 30828 (Warren County)

Mailing Address: 1664 South Main Street Extension
McCormick, SC 29835

**Parent/Holding
Company:** Georgia-Pacific LLC

Facility AIRS Number: 04-13-301-00003

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit for:

Phase 1: Construction and Operation of a natural gas-fired package boiler (400C), raising of steam coils in batch drying kiln 203, efficiency upgrades to batch drying kiln 202, Construction and Operation of a new continuous direct-fired dual path kiln (204) and shutting down of wood-fired boiler (400B) and batch drying kiln (201).

Phase 2: Construction and Operation of a new continuous direct-fired dual path kiln (205), shutting down of the natural gas-fired package boiler (400C) and batch drying kilns (202) and (203).

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit Amendment and Permit No. 2421-301-0003-V-03-0 Unless modified or revoked, this Permit Amendment expires upon issuance of the next Part 70 Permit for this source.

This Permit Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. 40117 dated May 01, 2015 and updated modeling dated June 30, 2015; any other applications upon which this Permit Amendment or Permit No. 2421-301-0003-V-03-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Permit Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 17 pages, which pages are a part of this Permit Amendment, and which hereby become part of Permit No. 2421-301-0003-V-03-0.

DRAFT

Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

This modification consists of a plant expansion in a phased manner. In the first phase the wood-fired boiler 400B and associated ash handling system will be shut down after a natural gas-fired boiler 400C becomes operational. Batch drying kiln 201 will also be shut down after a new direct-fired continuous dual path kiln 204 becomes operational. The continuous kiln will be dual fueled (sawdust and/or natural gas) and will be equipped with a 35 MMBtu/hr sawdust gasifier burner or a natural gas burner or a combination sawdust/natural gas burner comprised of a 35 MMBtu/hr sawdust burner with a small 7 MMBtu/hr natural gas burner, for a total of 42 MMBtu/hr from both fuels. Boiler (400C) will provide steam (up to 30,000 lb/hr) for operating the existing improved batch kilns 202 and 203. The steam coils in batch kiln 203 will be raised for handling a larger charge. Efficiency upgrades will be made to the batch drying kiln 202. The continuous dual path kiln 204 will have a capacity of drying 120 MMBF/year. This phase will also have a new sawdust silo, bark screen, bark hog, bark truck loadout, two additional sizing saws, second small chipper and auto grader in the planer mill. In this phase existing trim saw, chipping edger, planer trim saw, small chipper and drum screen will be replaced with more efficient or larger capacity units. After addition of the direct-fired continuous kiln 204 the drying capacity of the facility will be 170 MMBF/year during Phase 1.

In the second phase a new direct-fired continuous dual path kiln 205 similar to 204 will be constructed and operated. After the direct-fired continuous kiln 205 becomes operational, the natural gas-fired package boiler 400C and the batch drying kilns 202 and 203 will be decommissioned and removed from the facility. In this phase the debarker, several interior sawmill saws, planer, planer mill cyclone and various material handling systems will be replaced with more efficient or larger capacity units. At the end of this phase maximum drying capacity of the kilns will be 240 MMBF/year.

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PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1.1 Emission Units

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
400C	Natural gas Package Boiler 39 MMBtu/hr (Removed in Phase 2)	40 CFR 52.21 PSD/BACT GA Rule 391-3-1-.02(2)(d) GA Rule 391-3-1-.02(2)(g) *40 CFR 60 Subparts A and Dc *40 CFR 63 Subparts A and 5D	3.3.1, 3.3.2, 3.3.3, 3.3.4, 3.3.5, 3.4.3, 3.5.1, 5.2.7, 6.2.4	None	None
202	Drying Kiln No. 2 Indirect steam heated 1973 (Removed in Phase 2)	40 CFR 52.21 PSD/BACT 40 CFR 63 Subpart A 40 CFR 63 Subpart DDDD GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e)	3.2.2, 3.3.1, 3.3.2, 3.3.4, 3.3.5, 3.3.6, 3.4.1, 3.4.2, 3.5.3, 6.2.5, 6.2.6, 6.2.7, 6.2.8	None	None
203	Drying Kiln No. 3 Indirect steam heated 1976 (Removed in Phase 2)	40 CFR 52.21 PSD/BACT 40 CFR 63 Subpart A 40 CFR 63 Subpart DDDD GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e)	3.2.2, 3.3.1, 3.3.4, 3.3.5, 3.3.6, 3.4.1, 3.4.2, 3.5.3, 6.2.5, 6.2.6, 6.2.7, 6.2.8	None	None
204	Drying Kiln No. 4 direct-fired dual path continuous kiln 120 MMBF/yr with 42 MMBtu/hr burner (Operational starting Phase 1)	40 CFR 63 Subpart A 40 CFR 63 Subpart DDDD 40 CFR 52.21 PSD/BACT GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e) GA Rule 391-3-1-.02(2)(g)	3.2.1, 3.3.1, 3.3.4, 3.3.5, 3.3.6, 3.4.1, 3.4.2, 3.5.3, 6.2.3, 6.2.5, 6.2.6, 6.2.7, 6.2.9	None	None
205	Drying Kiln No. 5 direct-fired dual path continuous kiln 120 MMBF/yr with 42 MMBtu/hr burner (Operational starting Phase 2)	40 CFR 63 Subpart A 40 CFR 63 Subpart DDDD 40 CFR 52.21 PSD/BACT GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e) GA Rule 391-3-1-.02(2)(g)	3.2.1, 3.3.1, 3.3.4, 3.3.5, 3.3.6, 3.4.1, 3.4.2, 3.5.3, 6.2.3, 6.2.5, 6.2.6, 6.2.7, 6.2.9	None	None
205B	Sawdust Fuel Silo	GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e)	3.3.4, 3.3.5, 3.4.1, 3.4.2, 3.5.2, 6.1.7c.	SC1	sawdust fuel cyclone
102	High speed ring Debarker	GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e)	3.3.4, 3.3.5, 3.4.1, 3.4.2.	None	None
103S	Big Chipper 1989	GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e)	3.4.1, 3.4.2, 3.5.2, 6.1.7.c.	CC1	Cyclone
104S	Small Chippers 2015	GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e)	3.3.4, 3.3.5, 3.4.1, 3.4.2.	None	None
105A	Chip Conveying and Loading 2015	GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e)	3.3.4, 3.3.5, 3.4.1, 3.4.2, 3.5.2, 6.1.7c.	WC1 or AWC	Chip Rail/truck loading cyclone or Auxiliary loading cyclone
105C	Sawdust Conveying and Loading 2015	GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e)	3.3.4, 3.3.5, 3.4.1, 3.4.2, 3.5.2, 6.1.7c.	SC1 or SC2	sawdust fuel cyclone or Sawdust truck loading cyclone

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300	Planer Mill (235 tph) 2015	GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e)	3.3.4, 3.3.5, 3.4.1, 3.4.2, 3.5.2.	PMC1 PMC2	Dual Shavings Cyclone
302P	Planer Mill Trim Hog with saw dust conveying 2015	GA Rule 391-3-1-.02(2)(b) GA Rule 391-3-1-.02(2)(e)			

* Potentially applicable regulation

Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards and corresponding permit conditions are intended as a compliance tool and may not be definitive.

3.2 Equipment Emission Caps and Operating Limits

New Conditions

3.2.1 The Permittee shall not dry more than 120 million board feet of lumber from each continuous drying kiln 204 and 205 during any twelve consecutive months. If required, the VOC emissions from the continuous kilns 204 and 205 shall be estimated using a VOC emission factor of 5.49 lb/MBF (WPP1).
[PSD/BACT, 40 CFR 52.21]

3.2.2 The Permittee shall not dry more than 50 million board feet of lumber from the batch drying kilns 202 and 203 during any twelve consecutive months. If required, the VOC emissions from the continuous kilns 204 and 205 shall be estimated using a VOC emission factor of 5.49 lb/MBF (WPP1). Upon notification that the batch kilns 202 and 203 are removed from the facility, this condition is null and void.
[PSD/BACT, 40 CFR 52.21]

3.3 Equipment Federal Rule Standards

Amended Condition

3.3.1 The Permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR Part 63, in Subpart A – “General Provisions.” and Subpart DDDD – “National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products.” For the operation of the drying kilns at the facility.
[40 CFR 63 Subpart A and DDDD]

New Conditions

3.3.2 The Permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR Part 63, in Subpart A – “General Provisions.” and Subpart DDDDD – “National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters.” For operation of natural gas-fired package boiler 400C. This condition will be null and void after completion of Phase 2 of the expansion.
[40 CFR 63 Subpart 5D]

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- 3.3.3 The Permittee shall comply with all applicable provisions of the New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - "General Provisions" and 40 CFR 60 Subpart Dc - "Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units," for operation of the natural gas-fired package boiler 400C. This condition will be null and void after completion of Phase 2 of the expansion.
[40 CFR 60 Subpart Dc]
- 3.3.4 The Permittee shall construct and operate the source or modification as described in Application No. TV- 40117 that is subject to Georgia Rule 391-3-1-.02(7) in accordance with the application submitted pursuant to that rule. If the Permittee constructs or operates a source or modification not in accordance with the application submitted pursuant to that rule or with the terms of any approval to construct, the Permittee shall be subject to appropriate enforcement action.
[40 CFR 52.21(r)(1)]
- 3.3.5 Approval to construct source of modification as defined in Application No. TV- 40117 shall become invalid if construction of the first phase (Phase 1) is not commenced within 18 months after receipt of such approval, if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time. The Director may extend the 18-month period upon a satisfactory showing that an extension is justified. This provision does not apply to the time period between construction of the approved phases of a phased construction project; each phase must commence construction within 18 months of the projected and approved commencement date.
[40 CFR 52.21(r)(2)]
- 3.3.6 The Permittee shall not burn fuel containing more than 2.5 percent sulfur, by weight, in any fuel burning source for the Lumber Drying Kilns (202, 203, 204 and 205) unless otherwise specified by the Director.
[391-3-1-.02(2)(g)2]

3.4 Equipment SIP Rule Standards

Amended Conditions

- 3.4.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the kilns (202, 203, 204 and 205), planer mill (300), planer mill trim hog (302P), Chip Conveying (105A), sawdust conveying (105C), sawdust fuel silo (205B) and chippers (103S and 104S), any gases which exhibit visible emissions, the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)1.]
- 3.4.2 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the kilns (202, 203, 204 and 205), planer mill (300), planer mill trim hog (302P), Chip Conveying (105A), sawdust conveying (105C), sawdust fuel silo (205B) and chippers (103S and 104S), each, particulate emissions in excess of the rate derived from:
[391-3-1-.02(2)(e)1.(i)]

$E = 4.1 * P^{0.67}$; for process input weight rate up to and including 30 tons per hour.

$E = 55 * P^{0.11} - 40$; for process input weight rate above 30 tons per hour.

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where P equals process input weight rate in tons per hour and E equals the allowable emission rate in pounds per hour.

- 3.4.3 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the natural gas package boiler (400C), any gases which:
- a. Contain particulate emissions in excess of the rate derived from $P = 0.5 * (10/R)^{0.5}$ where R equals heat input rate in million BTU per hour and P equals the allowable emission rate in pounds PM per million BTU.
[391-3-1-.02(2)(d)2.(ii)]
 - b. Exhibit visible emissions, the opacity of which is equal to or greater than twenty (20) percent opacity (6-minute average) except for one six minute period per hour of not more than twenty-seven (27) percent opacity.
[391-3-1-.02(2)(d)3, NSPS Subpart Dc]

This condition will be null and void after completion of Phase 2 of the expansion.

3.4.4 Condition deleted.

3.4.5 Condition deleted.

3.5 Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit

New Conditions

- 3.5.1 The Permittee shall not release or caused to be released to the atmosphere volatile organic compounds (VOC) in excess of 0.0054 lb/MMBtu from the natural gas-fired boiler 400C. Upon notification that this boiler is removed from the facility, this condition is null and void.
[391-3-1-.02(6)(b)1]
- 3.5.2 For each week or portion of each week of operation of the planer mill (ID No. 300) and chippers (ID Nos. 104S), inspect the exterior of the cyclones (ID NOs. PMC1, PMC2, CC1 and CC2) for holes in the body or evidence of malfunction in the interior of the cyclone. Any adverse condition identified by the weekly inspection of the cyclones that is not corrected within 48 hours shall be recorded, as an excursion, in a maintenance log, along with a description of the corrective action and when it was completed. These records shall be kept a form suitable for inspection or submittal to the Division.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- 3.5.3 The Permittee shall develop and implement a Work Practice and Preventive Maintenance Program for the Lumber Drying Kilns (202, 203, 204 and 205) to assure that the provisions of Condition 8.17.1 are met. The program shall be subject to review and modification by the Division. At a minimum, the following operational and maintenance checks shall be made and a record of the findings and corrective actions taken, shall be kept in electronic or manual maintenance logs:
[391-3-1-.02(6)(b)1, 40 CFR 52.21, and 40 CFR 70.6(a)(3)(i)]

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- a. General Work Practice Standards for Wood-Drying Kiln Operation:
 - i. The lumber kiln drying operation target final moisture content will be 12% or greater based on a 12-month rolling average. Moisture content will be measured with a moisture meter at the infeed of the planer mill.
 - ii. The lumber kiln shall be operated following a wet bulb temperature set-point-drying schedule of 240°F or lower for steam batch kilns 202 and 203 only.
 - iii. Routines for periodic preventative maintenance are detailed in paragraphs b, c, d and e of this condition. With future equipment changes or modifications, these preventative maintenance activities can be modified pending approval from EPD.
- b. Daily Routine:
 - i. Make certain all fans are running properly. If one “trips out” frequently or becomes inoperable, investigate to determine the reason and then document the corrective actions.
 - ii. Check to verify that the kiln heating systems (steam and direct-fired gasifier) are operating properly.
- c. Six Week Routine:
 - i. Grease fan motors, shafts and bearings and inspect fan blades for damage. Check fan clearances, rotation, tension and replace belts if required.
 - ii. Inspect kiln walls, doors and baffles for deterioration and schedule repairs as needed.
 - iii. Inspect temperature monitoring systems for proper operation.
 - iv. Inspect vents and linkages (batch kilns 202 and 203). Schedule repairs as needed.
 - v. Grease vent shafts or vents in internal linkages (batch kilns 202 and 203).
 - vi. If necessary sweep out kiln to remove accumulated dust (batch kilns 202 and 203).
 - vii. Inspect and repair as necessary external components of direct-fired gasifier.
 - viii. Inspect wet bulb socks and replace as needed. Replace a sock if it has a tendency to become hard. Check water flow to the wet bulb. (For Steam batch kilns 202 and 203 only).

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- d. Semi-annual Routine:
 - i. Verify accuracy of the temperature measurement systems. Repair or replace components as necessary.
 - ii. Inspect steam supply mains and headers for steam leaks and insulation deficiencies. Repair as needed. Inspect steam traps for proper operation and replace/repair as needed. Stroke all steam valves. (batch kilns 202 and 203)
 - iii. During cold shutdown of continuous kilns 204 and 205, inspect and repair as necessary all internal components of kilns and direct-fired gasifiers. During this time the continuous kilns 204 and 205 and burners should be thoroughly cleaned of accumulated dust.

- e. Any adverse condition discovered by this inspection shall be corrected in the most expedient manner possible. The Permittee shall record problems discovered in a maintenance log/checklist or the plant's Computerized Maintenance Management System (CMMS), indicating the corrective action(s) taken. If a problem discovered during daily inspection cannot be remedied within 48 hours of discovery, it shall be entered into the plant's Computerized Maintenance Management System (CMMS) as an excursion.

PART 4.0 REQUIREMENTS FOR TESTING**4.1 General Testing Requirements**

4.1.3 Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division's Procedures for Testing and Monitoring Sources of Air Pollutants. The methods for the determination of compliance with emission limits listed under Section 3.4 are as follows:

- a. Method 1 for sample point locations.
- b. Method 2 for the determination of flow rate.
- c. Method 3 or 3A for the determination of stack gas molecular weight.
- d. Method 3B for the determination of the correction factor or excess air. Method 3A may be used as an alternative.
- e. Method 4 for the determination of stack moisture.
- f. Method 5 and/or 5T (as applicable) for the determination of particulate matter emissions.
- g. Method 9 and the Procedures of Section 1.3 of the above referenced document for the determination of opacity.
- h. Method 19 when applicable, to convert particulate matter concentrations (i.e., grains/dscf for PM), as determined using other methods specified in this section, to emission rates (i.e., lb/MMBtu).
- i. The procedures of NCASI Wood Products Protocol 1 shall be used to determine VOC concentration from the Lumber Drying Kilns

Minor changes in methodology may be specified or approved by the Director or his designee when necessitated by process variables, changes in facility design, or improvement or corrections that, in his opinion, render those methods or procedures, or portions thereof, more reliable.

[391-3-1-.02(3)(a)]

4.1.4 The Permittee shall submit performance test results to the US EPA's Central Data Exchange (CDX) using the Compliance and Emissions Data Reporting Interface (CEDRI) in accordance with any applicable NSPS or NESHAP standards (40 CFR 60 or 40 CFR 63) that contain Electronic Data Reporting Requirements. This Condition is only applicable if required by an applicable standard and for the pollutant(s) subject to said standard.

[391-3-1-.02(8)(a) and 391-3-1-.02(9)(a)]

4.2 Specific Testing Requirements

4.2.1 Condition deleted.

4.2.2 Condition deleted.

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.1 General Monitoring Requirements

- 5.1.1 Any continuous monitoring system required by the Division and installed by the Permittee shall be in continuous operation and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Monitoring system response, relating only to calibration checks and zero and span adjustments, shall be measured and recorded during such periods. Maintenance or repair shall be conducted in the most expedient manner to minimize the period during which the system is out of service.
[391-3-1-.02(6)(b)1]

5.2 Specific Monitoring Requirements

- 5.2.1 Condition deleted.
- 5.2.2 Condition deleted.
- 5.2.3 Moved to Section 3.5 as Condition 3.5.2.
- 5.2.4 Condition deleted.
- 5.2.5 Condition deleted.
- 5.2.6 Condition deleted.

New Condition

- 5.2.7 The Permittee shall install, calibrate, maintain and operate natural gas consumption meters on the natural gas-fired boiler (400C) subject to Subpart Dc. As allowed by Subpart Dc, the Permittee may propose an alternative protocol for monitoring fuel usage. In lieu of installing fuel meter, the Permittee may maintain records of the total amounts of natural gas delivered to the facility each calendar month. This condition will be null and void after completion of Phase 2 of the expansion.
[NSPS Subpart Dc]

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS**6.1 General Record Keeping and Reporting Requirements**Amended Conditions

6.1.4 The Permittee shall submit a written report containing any excess emissions, exceedances, and/or excursions as described in this permit and any monitor malfunctions for each semiannual period ending June 30 and December 31 of each year. All reports shall be postmarked by the 60th day following the end of each reporting period August 29th and February 28th respectively. In the event that there have not been any excess emissions, exceedances, excursions or malfunctions during a reporting period, the report should so state. Otherwise, the contents of each report shall be as specified by the Division's Procedures for Testing and Monitoring Sources of Air Pollutants and shall contain the following:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)(A)]

- a. A summary report of excess emissions, exceedances and excursions, and monitor downtime, in accordance with Section 1.5(c) and (d) of the above referenced document, including any failure to follow required work practice procedures.
- b. Total process operating time during each reporting period.
- c. The magnitude of all excess emissions, exceedances and excursions computed in accordance with the applicable definitions as determined by the Director, and any conversion factors used, and the date and time of the commencement and completion of each time period of occurrence.
- d. Specific identification of each period of such excess emissions, exceedances, and excursions that occur during startups, shutdowns, or malfunctions of the affected facility. Include the nature and cause of any malfunction (if known), the corrective action taken or preventive measures adopted.
- e. The date and time identifying each period during which any required monitoring system or device was inoperative (including periods of malfunction) except for zero and span checks, and the nature of the repairs, adjustments, or replacement. When the monitoring system or device has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
- f. Certification by a Responsible Official that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

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- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.
- b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)
 - i Any 12-consecutive month total lumber dried in batch kiln 202 and 203 in excess of 50 million board feet. This condition will be null and void after completion of Phase 1 of the expansion.
 - ii Any 12-consecutive month total lumber dried in continuous kiln 204 or 205 in excess 120 million board feet.
- c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)
 - i Any adverse condition discovered by the weekly inspections of the cyclones that is not corrected within 48 hours as per Condition 3.5.2.

6.2 Specific Record Keeping and Reporting Requirements

6.2.1 Condition deleted.

6.2.2 Condition deleted.

New Conditions

- 6.2.3 The Permittee shall furnish the Division written notification of the actual date of initial startup of Lumber Drying Kilns (204 and 205) and the natural gas-fired boiler (400C), within 15 days after such date.
[391-3-1-.03(2)(c) and 40 CFR 60.49b(a)]
- 6.2.4 The Permittee shall retain records of the quantity of natural gas burned monthly in boiler 400C or maintain monthly records of the amounts of natural gas delivered to the facility. This condition will be null and void after completion of Phase 2 of the expansion.
[391-3-1-.03(2)(c) and NSPS Subpart Dc]

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- 6.2.5 The Permittee shall maintain monthly records of the amount of the dried lumber processed through lumber drying kilns 202, 203 and in lumber drying kiln 204 and 205, separately for the continuous kilns 204 and 205, necessary to confirm compliance with the production limits in Condition 3.2.4.

The records shall be retained in a permanent form suitable and available for inspection or submittal to the Division upon request. These records shall be retained for at least five years following the day of record.

[391-3-1-.02(6)(b)1(i), 40 CFR 70.6(a)(3)(ii)(B) and 40 CFR 52.21]

- 6.2.6 The Permittee shall calculate and record, each month, the 12 consecutive month total of lumber dried in drying kilns 202, 203 and in drying kiln 204 and 205, separately for the continuous kilns 204 and 205, using the monthly records required in Condition 6.2.5. A 12-consecutive month total shall be defined as the sum of a current month's total plus the totals for the previous eleven consecutive months.

[391-3-1-.02(6)(b)1, 40 CFR 70.6(a)(3)(i) and 40 CFR 52.21]

- 6.2.7 The Permittee shall submit a semiannual report of the 12-consecutive month totals of lumber dried (in million board feet) in lumber drying kilns 202, 203 and in lumber drying kilns 204 and 205, separately for the continuous kilns 204 and 205, by August 29 of the calendar year of record and by February 28 of the year following the calendar year of record, unless otherwise approved by the Division. The semiannual reporting periods shall be January 1 through June 30 and July 1 through December 31. The reports, submitted in a manner suitable to the Division, shall be prepared from records required by Condition 6.2.6 and contain six 12-consecutive month totals of lumber produced in lumber drying kilns 202 and 203 and in lumber drying Kilns 204 and 205, separately for the continuous kilns 204 and 205.

[391-3-1-.02(6)(b)1, 40 CFR 70.6(a)(3)(i) and 40 CFR 52.21]

- 6.2.8 The Permittee shall notify the Division in writing if the lumber drying kilns 202 and 203 production exceeds 4.16 million board feet during any calendar month. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the production limit in Condition 3.2.4. This condition will be null and void after completion of Phase 1 of the expansion.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- 6.2.9 The Permittee shall notify the Division in writing if the lumber drying kiln (204 or 205) production exceeds 10 million board feet lumber during any calendar month. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the production limit in Condition 3.2.1.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

PART 7.0 OTHER SPECIFIC REQUIREMENTS

New Condition

7.5 Temporary Sources Associated with this Amendment

[391-3-1-.03(10)(d)5 and 40 CFR 70.6(e)]

- 7.5.1 The natural gas-fired package boiler 400C, batch drying kilns 202 and 203 are temporary sources that will be removed from the facility after completion of Phase 1 of the project. This condition will be null and void after completion of Phase 2 of the expansion.

PART 8.0 GENERAL PROVISIONS

8.26 Use of Any Credible Evidence or Information

- 8.26.1 Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit, for the purpose of submission of compliance certifications or establishing whether or not a person has violated or is in violation of any emissions limitation or standard, nothing in this permit or any Emission Limitation or Standard to which it pertains, shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.
[391-3-1-.02(3)(a)]

8.27 Internal Combustion Engines

- 8.27.1 For diesel-fired internal combustion engine(s) manufactured after April 1, 2006 or modified/reconstructed after July 11, 2005, the Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - “General Provisions” and 40 CFR 60 Subpart III – “Standard of Performance for Stationary Compression Ignition Internal Combustion Engines.” Such requirements include but are not limited to:
[40 CFR 60.4200, 391-3-1-.02(8)(b)77]
- a. Equip all emergency generator engines with non-resettable hour meters in accordance with Subpart III.
 - b. Purchase only diesel fuel with a maximum sulfur content of 15 ppm unless otherwise specified by the Division in accordance with Subpart III.
 - c. Conduct engine maintenance prescribed by the engine manufacturer in accordance with Subpart III.
 - d. Limit non-emergency operation of each emergency generator to 100 hours per year in accordance with Subpart III. Non-emergency operation other than maintenance and readiness testing is prohibited for engines qualifying as “emergency generators” for the purposes of Ga Rule 391-3-1-.02(2)(mmm).
 - e. Maintain any records in accordance with Subpart III
 - f. Maintain a list of engines subject to 40 CFR 60 Subpart III, including the date of manufacture.[391-3-1-.02(6)(b)]

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8.27.2 The Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - “General Provisions” and 40 CFR 60 Subpart JJJJ - “Standard of Performance for Stationary Spark Ignition Internal Combustion Engines,” for spark ignition internal combustion engines(s) (gasoline, natural gas, liquefied petroleum gas or propane-fired) manufactured after July 1, 2007 or modified/reconstructed after June 12, 2006.
[40 CFR 60.4230, 391-3-1-.02(8)(b)79]

8.27.3 The Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR 63 Subpart A - “General Provisions” and 40 CFR 63 Subpart ZZZZ - “National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.”

For diesel-fired emergency generator engines defined as “existing” in 40 CFR 63 Subpart ZZZZ (constructed prior to June 12, 2006 for area sources of HAP, constructed prior to June 12, 2006 for <500hp engines at major sources, and constructed prior to December 19, 2002 for >500hp engines at major sources of HAP), such requirements include but are not limited to:

[40 CFR 63.6580, 391-3-1-.02(9)(b)118]

- a. Equip all emergency generator engines with non-resettable hour meters in accordance with Subpart ZZZZ.
- b. Purchase only diesel fuel with a maximum sulfur content of 15 ppm unless otherwise specified by the Division in accordance with Subpart ZZZZ.
- c. Conduct the following in accordance with Subpart ZZZZ.
 - i. Change oil and filter every 500 hours of operation or annually, whichever comes first
 - ii. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first and replace as necessary
 - iii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first and replace as necessary.
- d. Limit non-emergency operation of each emergency generator to 100 hours per year in accordance with Subpart ZZZZ. Non-emergency operation other than maintenance and readiness testing is prohibited for engines qualifying as “emergency generators” for the purposes of Ga Rule 391-3-1-.02(2)(mmm).
- e. Maintain any records in accordance with Subpart ZZZZ
- f. Maintain a list of engines subject to 40 CFR 63 Subpart ZZZZ, including the date of manufacture.[391-3-1-.02(6)(b)]

8.28 Boilers and Process Heaters

- 8.28.1 If the facility/site is an area source of Hazardous Air Pollutants, the Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 63 Subpart A - “General Provisions” and 40 CFR 63 Subpart JJJJJ - “National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers.”
[40 CFR 63.11193]

- 8.28.2 If the facility/site is a major source of Hazardous Air Pollutants, the Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 63 Subpart A - “General Provisions” and 40 CFR 63 Subpart DDDDD - “National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.”
[40 CFR 63.7480]