

Part 70 Operating Permit Amendment

Permit Amendment No.: 2611-051-0010-V-01-8 **Effective Date:** April 3, 2006

Facility Name: **Weyerhaeuser Company – Port Wentworth Mill**

Facility Address: 1 Bonnybridge Road
Port Wentworth, Georgia 31407 (Chatham County)

Mailing Address: P.O. Box 668
Savannah, Georgia 31402

**Parent/Holding
Company:** Weyerhaeuser Company

Facility AIRS Number: 04-13-051-00010

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:

Modifications to the dryer of the pulp machine, including the addition of eight new dryer decks, steam system pressure increase modifications, upgraded drivers, and a new dryer heat recovery system.

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

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. 2611-051-0010-V-01-0. 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. 16155 dated April 9, 2005, any other applications upon which this Permit Amendment or Permit No. 2611-051-0010-V-01-0 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 **5** pages, which pages are a part of this Permit Amendment, and which hereby become part of Permit No. 2611-051-0010-V-01-0.

Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION**1.3 Process Description of Modification**

Physical changes to the pulp machine that will be made as part of this project include, but are not limited to, the addition of eight (8) new dryer decks, steam system pressure increase modifications, and upgraded drivers, if needed. The dryer extension will be installed directly onto the existing dryer's top drying deck. The dryer's steam distribution header, exhaust plenum, and roof panels will be relocated onto the new extension. The new, extended dryer will have integrated turning roll drives and a tape threading system and will function as a single, larger dryer. Additionally, a new dryer heat recovery system will be installed. Once the new dryer steam supply line is completed, the existing steam supply line will be routed to the digester to improve temperature control by modifying the existing liquor heater system; this will improve pulp quality and uniformity.

Additional changes are being made to the facility's Title V operating permit to clarify regulatory applicability of NSPS Subpart Kb and NESHAP Subpart EEEE in light of recent policy determinations and revisions made to these regulations by U.S. EPA. Additionally, references to some equipment that has been decommissioned are being removed from the permit with this amendment, and testing conditions that have been satisfied are being removed as well.

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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 Additional and Modified Emission Units

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
RE01	No. 3 Recovery Boiler	40 CFR 52.21 40 CFR 60 Subpart BB 40 CFR 63 Subpart S 40 CFR 63 Subpart MM 391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g) 391-3-1-.02(2)(gg)	3.3.11, 3.3.12, 3.3.17, 3.3.19, 3.3.21, 3.3.22, 3.3.32, 3.3.34, 3.3.35, 3.3.37, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 4.2.4, 4.2.8 , 4.2.10, 4.2.11, 4.2.12, 5.2.1, 5.2.2, 5.2.3, 6.1.7, 6.2.4, 6.2.5, 6.2.6, 6.2.9, 6.2.17, 6.2.21, 6.2.24 , 6.2.25, 6.2.26, 6.2.27, 6.2.28, 6.2.29	RE01E, RE01W	Electrostatic Precipitator
LK01	No. 2 Lime Kiln	40 CFR 52.21 40 CFR 60 Subpart BB 40 CFR 63 Subpart S 40 CFR 63 Subpart MM 391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g) 391-3-1-.02(2)(gg)	3.3.13, 3.3.14, 3.3.17, 3.3.19, 3.3.20, 3.3.22, 3.3.32, 3.3.34, 3.3.35, 3.3.37, 3.4.3, 3.4.4, 4.2.1, 4.2.2, 4.2.8 , 4.2.10, 4.2.11, 4.2.12, 5.2.1, 5.2.3, 6.1.7, 6.2.7, 6.2.8, 6.2.9, 6.2.17, 6.2.24 , 6.2.25, 6.2.26, 6.2.27, 6.2.28, 6.2.29	LK01P	Lime Kiln Dry Electrostatic Precipitator
SM01	No. 3 Smelt Dissolving Tank	40 CFR 60 Subpart BB 40 CFR 63 Subpart MM 391-3-1-.02(2)(gg)	3.3.15, 3.3.32, 3.3.34, 3.3.35, 3.3.37, 3.4.5, 3.4.6, 3.4.7, 4.2.1, 4.2.2, 4.2.8 , 4.2.10, 4.2.11, 4.2.12, 5.2.2, 6.1.7, 6.2.13, 6.2.24 , 6.2.25, 6.2.26, 6.2.27, 6.2.28, 6.2.29	SM01E, SM01W	Smelt Tank Wet Scrubbers
MP01 [§]	Market Pulp Machine	40 CFR 52.21 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.13, 3.4.14, 3.3.41, 6.2.17, 6.2.32	None	None
BY02	Turpentine Storage Tank	40 CFR 60 Subpart Kb None	3.3.16, 3.3.39	None	None
BL13	Methanol Storage Tank	40 CFR Subpart Kb	3.3.16, 3.3.39, 3.3.40	None	None
TO01 ⁺	Tall Oil Plant	None	None	TO01S	Tall Oil Scrubber
BY07 ⁺	Tall Oil Storage	None	None	None	None
BY08 ⁺	Tall Oil Storage	None	None	None	None

* Generally applicable requirements contained in this permit may also apply to emission units listed above.

§ Equipment that is existing and is being modified.

+ Equipment that has been decommissioned and removed from the site.

3.3 Equipment Federal Rule Standards

- 3.3.16 The Permittee shall comply with 40 CFR 60 Subpart Kb – “Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984.” Pursuant to the detailed provisions of 40 CFR 60 Subpart Kb, the Permittee shall keep for the Methanol Storage Tank (Source Code BL13) readily accessible records showing the dimensions and an analysis showing the capacity of the storage vessel.
[40 CFR 60 Subpart Kb]
- 3.3.39 The Permittee shall be subject to all applicable provisions of 40 CFR 60 Subpart Kb – “Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984” for the Methanol Storage Tank (Source Code BL13).
[40 CFR 60 Subpart Kb]
- 3.3.40 Deleted.
- 3.3.41 At all times, including periods of startup, shutdown, and malfunction, the Permittee shall maintain and operate the Market Pulp Machine (Source Code MP01) in a manner consistent with good air pollution control practice for minimizing emissions of volatile organic compounds (VOCs). Determination of whether acceptable operating and maintenance procedures are being used shall be based on any information available to the Division that may include, but is not limited to, monitoring results, observations of other characteristics of emissions, review of operating and maintenance procedures or records, and inspection or surveillance of the source.
[40 CFR 52.21]

PART 4.0 REQUIREMENTS FOR TESTING

4.2 Specific Testing Requirements

- 4.2.8 Deleted.
- 4.2.9 Deleted.

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS

6.1 General Record Keeping and Reporting Requirements

- 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)]
- 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)
- xix. Any failure to maintain and operate the Market Pulp Machine (Source Code MP01) in a manner consistent with good air pollution control practice for minimizing emissions of VOCs, pursuant to Condition No. 3.3.41.

6.2 Specific Record Keeping and Reporting Requirements

- 6.2.15 Deleted.
- 6.2.24 Deleted.
- 6.2.32 The Permittee shall provide written notification to the Division of the dates on which construction is commenced and completed. Such notifications shall be submitted in writing within 30 days of the dates of record.

PART 7.0 OTHER SPECIFIC REQUIREMENTS

7.14 Specific Conditions Associated with this Amendment

- 7.14.1 This permit amendment shall become null and void if construction of the modification is not commenced within eighteen (18) months of the effective date of this amendment.

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Attachments

- A. List of Standard Abbreviations and List of Permit Specific Abbreviations
- B. List of References

ATTACHMENT A

List Of Standard Abbreviations

AIRS	Aerometric Information Retrieval System
APCD	Air Pollution Control Device
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technology
BTU	British Thermal Unit
CAAA	Clean Air Act Amendments
CEM	Continuous Emission Monitor
CERMS	Continuous Emission Rate Monitoring System
CFR	Code of Federal Regulations
CMS	Continuous Monitoring System(s)
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
dscf/dscm	Dry Standard Cubic Foot / Dry Standard Cubic Meter
EPA	United States Environmental Protection Agency
EPCRA	Emergency Planning and Community Right to Know Act
gr	Grain(s)
GPM (gpm)	Gallons per minute
H ₂ O (H ₂ O)	Water
HAP	Hazardous Air Pollutant
HCFC	Hydro-chloro-fluorocarbon
MACT	Maximum Achievable Control Technology
MMBtu	Million British Thermal Units
MMBtu/hr	Million British Thermal Units per hour
MVAC	Motor Vehicle Air Conditioner
MW	Megawatt
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x (NO _x)	Nitrogen Oxides
NSPS	New Source Performance Standards
OCGA	Official Code of Georgia Annotated

[illegible]

ATTACHMENT B

LIST OF REFERENCES

1. The Georgia Rules for Air Quality Control Chapter 391-3-1. All Rules cited herein which begin with 391-3-1 are State Air Quality Rules.
2. Title 40 of the Code of Federal Regulations; specifically 40 CFR Parts 50, 51, 52, 60, 61, 63, 64, 68, 70, 72, 73, 75, 76 and 82. All rules cited with these parts are Federal Air Quality Rules.
3. *Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Testing and Monitoring Sources of Air Pollutants.*
4. *Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Calculating Air Permit Fees.*
5. Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources. This information may be obtained from EPA's TTN web site at www.epa.gov/ttn/chief/ap42.html.
6. The latest properly functioning version of EPA's **TANKS** emission estimation software. The software may be obtained from EPA's TTN web site at www.epa.gov/ttn/chief/tanks.html.
7. The Clean Air Act (42 U.S.C. 7401 et seq).
8. White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995 (White Paper #1).
9. White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program, March 5, 1996 (White Paper #2).